

Commerce One

XML Interconnectivity Guide™

Common Business Library™ (CBL) VERSION 2.0



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Preface

This guide introduces the Common Business Library (CBL), release 2.0. CBL 2.0 consists of a set of XML documents useful in business-to-business electronic commerce, along with a library of components that can be used to build new documents. CBL 2.0 provides a transition path for companies moving their business services from EDI to the Internet. To encourage its use in electronic commerce applications, Commerce One is making CBL 2.0 available at no cost.

CBL 2.0 is the culmination of two years of work in developing a set of XML building blocks for electronic commerce. It builds on relevant information standards from ISO, IETF, EDIFACT and on the XML standardization efforts of the W3C XML working groups, CommerceNet's eco framework, OBI, RosettaNet, XML/EDI, OTP, OASIS, and Biztalk. CBL 2.0 made important contributions to CommerceNet's eco semantic recommendations (eco.commerce.net) and will be available in the emerging XML.org and Biztalk.org repositories. CBL has also been submitted to the new global "electronic business XML" initiative being conducted by the world's leading EDI and XML organizations (www.ebxml.org).

Contents of this Guide

This guide consists of the following chapters:

- *Introduction to CBL 2.0* describes component-based Internet commerce in which businesses build on each others' services to create virtual enterprises, markets and trading communities. It also explains why we created a library of building blocks for XML documents, how this approach is intrinsic to Commerce One's MarketSite products, and how XML document exchange compares to EDI.
- *CBL 2.0 Design Principles* describes the goals and principles used to design our XML documents
- *SOX Tutorial* describes the features of the SOX language and provides sample schemas and instances.
- *Common Business Library* provides descriptions and examples of the CBL elements and user-defined datatypes.
- *Source Files* includes listing of the .sox and .mod files that comprise the Common Business Library.
- *Frequently Asked Questions* provides answers to the most commonly asked questions about CBL.
- *Schema DTD*, describes the schema in which the CBL 2.0 documents were written.
- *Schema for Object-Oriented XML 2.0* describes the SOX schema language (or metagrammar) for defining the syntactic structure and partial semantics of XML document types.
- *SOX Tutorial* provides an introduction to the major features of the SOX schema language.
- *References* provides links to related information.

Introduction to CBL 2.0

Trading Communities

In 1996, Dr. Marty Tenenbaum proposed the vision of an Internet "eco system" in which businesses build on each others' services to create virtual enterprises, markets and trading communities. Internet-enabled businesses could be modeled as a collection of services, some internal to the organization, others provided by trading partners. Eco systems would replace closed trading partner networks with open markets, and extend enterprise applications such as inventory management and production scheduling across entire supply chains.

Because platform and application heterogeneity are facts of life, integration at such a scale would have to be at a semantic level where components connect and communicate through a shared language, vocabulary, and business concepts. Tenenbaum called this the Common Business Language or CBL, and it would be the foundation of the component-based Internet.

The XML Revolution and XML Standards

By making it possible to encode information and services with meaningful structure and semantics that computers can readily understand, the Extensible Markup Language (XML) has become a key technology for the Internet. XML is more capable than the format-oriented HTML encoding with which the Web began, and vastly simpler than other approaches to application integration. XML makes it easy to create specialized markup languages (sets of tags) that identify and describe buyers and sellers, the goods or services that they want to buy or sell, and the numerous other document types needed for commerce. XML has been embraced by all major platform vendors including IBM, Microsoft, Netscape, Oracle, SAP, and Sun -- and by hundreds of other companies building innovative Web products and services.

But the flexibility of XML can also be a liability. If every business invents its own XML definitions for product catalogs, requests for quotes, price lists, purchase orders, invoices, transportation schedules, shipping notices, delivery and payment receipts, the Web will become scarcely more usable as a platform for electronic commerce than if everyone used HTML. So many forward-looking individuals and companies have started to work together to develop XML-based specifications for the information they most often need to exchange in a particular industry or marketplace. Commerce One participates in the following standardization efforts.:

- The RosettaNet initiative is designed to facilitate the exchange of product catalogs and transactions between manufacturers, distributors, resellers, and shippers of personal computers and other information technology products.
- The Internet Open Trading Protocol (IOTP) initiative has developed a purchasing protocol that handles the various roles of consumer, merchant, value acquirer, deliverer, and customer care provider and defines the transactions of purchase, refund, value exchange, authentication, withdrawal, and deposit in a payment-method-neutral manner.

- The Open Buying on the Internet (OBI) initiative is developing a standard buying and selling framework for non-production goods and services to ensure that buy-side and sell-side systems are able to communicate and interoperate.

XML standardization initiatives are critically important. There are substantial benefits when standard XML definitions are shared by the companies in a particular industry or market. These include reduced development and maintenance costs and the elimination of custom "mapping" between the information models embodied in a company's business systems and those of its trading partners.

The Need for a Common Business Library

While each new XML specification for a particular industry is a step forward, it also contributes to the proliferation of information models that cut across industries or marketplaces. Each new specification seems to start from scratch, reinventing concepts such as:

- Descriptions of businesses and individuals
- Measurements, date and time, location, country codes, currencies, business classification codes
- Basic business forms like catalogs, purchase orders, and invoices

A better approach is the development of XML document models from reusable semantic components that are common to many business domains. Such documents can be understood from their common message elements, while also providing a common mechanism for linking to unique elements that vendors need to differentiate themselves.

The goal of CBL is to provide an initial set of XML building blocks that companies can assemble and extend to develop XML applications quickly. Some of these building blocks come from well-established international standards, such as ISO 8601 (date and time), ISO 31 (measures), ISO 639 (languages: EN, FR, etc.), ISO 3166 (country codes: US, JP, etc.), and ISO 4217 (currencies: USD, FFR, etc.). Other building blocks come from SIMPLE-EDI, a project to create minimal EDIFACT transaction sets. The "standard" business documents in CBL are based on these building blocks and an analysis of similar documents emerging from the OBI, RosettaNet, and OTP initiatives, with the goal to harmonize them as much as possible.

CBL will be made freely available in registries run by Commerce One as part of marketsite.net, as well as well as through registries operated by xml.org, CommerceNet, biztalk.org, and other organizations. We hope that the Internet community, building on this foundation, will contribute many additional elements and document models to CBL and to similar efforts.

The "Document Services" Architecture in MarketSite

The basic assumption that underlays CBL and its use in Commerce One's MarketSite product family is that it is easier to interconnect business systems and services in terms of the documents they exchange – on which they largely agree to begin with – than in terms of their application interfaces, which inevitably differ.

Shared document definitions provide an intuitive framework for specifying the business logic and computations that take place on each end of the document exchange. For example, the following two business rules contain implied definitions for five shared documents:

- if you send me a **request** for a catalog, I will send you a **catalog**
- if you send me a **purchase order** and I can fulfill it, I will send you an **invoice** and a **shipping notice**.

This "document services architecture" is fundamental to achieving the goal of supplier and buyer integration in Commerce One's MarketSite products because it substantially reduces the cost of business systems integration. A MarketSite operator or "market maker" defines (or reuses from some other MarketSite) the "community standards" for business documents. Buyers, suppliers, and other service providers can participate if they can produce and consume those documents. How the documents are produced and what actions result when they are consumed are strictly up to the business. This elevates integration from the system level to the business level. It enables a business to present a clean and stable interface to its business partners despite changes in its internal technology implementation, organization, or processes.

Defining interfaces in terms of documents allows for an incremental path to business automation, whereby browser-based tasks are gradually transferred to computer processes. A supplier with a small product catalog and a few sales a day can use a web browser to send and receive orders until increased transaction volume justifies integration with ERP or database applications. Likewise, a buyer who buys only a few items "off the shelf" can rely on a browser, and only integrate with purchasing or accounting systems when scale justifies it. In each case, since the same XML documents are going in and out, the changes to the implementation are invisible to the marketplace and other trading partners.

The CommerceNet eco working group has developed a conceptual architecture for interoperability of XML-based electronic commerce applications that extends and generalizes this idea of defining all system interfaces in terms of document exchange. Commerce One expects that MarketSite will provide "eco-compliant" document interfaces in a future release.

XML Document Exchange and EDI

Many companies are concerned that the emergence of XML is a threat to their traditional ways of doing business with Electronic Data Interchange (EDI). The X12 and EDIFACT EDI standards are generally used to automate routine transactions between established trading partners, especially where at least one of them is a very large company. But much of EDI relies on proprietary and expensive networks (VANs) and operates in batch mode, both of which are at odds with the vision of XML document exchange using the Internet.

In principle, EDI embodies the "document services architecture" that makes direct coupling of business systems unnecessary. Twenty years of EDI experience have created standards for hundreds of transaction messages in many different industries and application areas. At first glance, it might seem that traditional EDI could be quickly adapted to the Internet to obtain lower cost and faster message delivery, while enabling integration of EDI-enabled functions with other Web services. "Internet EDI," for example, would put a wrapper around EDI messages so that HTTP could be used for EDI transport rather than VANs. An approach that would be especially attractive to small businesses for which traditional EDI was cost-prohibitive would be "Web EDI," which would use Web forms to capture and display EDI messages.

In practice, however, EDI requires some fundamental changes to make the transition to the Internet. In the future, EDI syntax will likely be abandoned and its semantics encoded in XML. The messages actually exchanged by trading partners will likely be optimized for their individual trading relationships, containing only a small subset of the information in the "standard" X12 transaction sets and EDIFACT UNSMs.

After studying a variety of different philosophies, Commerce One has chosen an approach that takes advantage of the best parts of EDI without sacrificing any of the power and flexibility of XML.

CBL 2.0 Design Principles

This chapter describes the design principles by which CBL 2.0 addresses the following goals:

- Model the information requirements for business-to-business electronic commerce transactions
- Encourage adoption and interoperability by building on existing EDI standards
- Enable modular composition of XML documents from reusable building blocks
- Support a variety of programming models

Enabling the Exchange of Business Information

CBL 2.0 was designed to model the information requirements of business-to-business electronic commerce. A first step in this direction was the identification of a small set of core documents that could be used to conduct the majority of business transactions. CBL 2.0 provides schemas to represent the following business documents:

- Purchase Order
- Purchase Order Acknowledgment
- Order Status Request
- Order Status Acknowledgment
- Availability Check Request
- Availability Check Acknowledgment
- Price Check Request
- Price Check Acknowledgment
- Invoice
- Product Catalog
- Product Catalog Update

Each of these documents is constructed from a set of modules--XML building blocks that represent name and address, price, unit of measure, and so forth. CBL's extensible architecture allows trading partners to modify the business documents, adding elements as needed. The documents can support the business needs of both ad hoc trading communities and long-term enterprise trading relationships.

Building on Existing Standards

CBL builds on information models from other sources, including the United Nations Standard Messages (UNSMs) in the international EDIFACT standard and the standard transaction sets in the US X12 standard. Of course, we use XML syntax instead of EDIFACT's record-oriented syntax, which lacks the equivalent of an XML DTD or schema as a formal specification.

Both the X12 transaction sets and EDIFACT UNSMs have evolved over time to handle the information requirements of every conceivable business relationship. Because the standard messages contain vastly more information than typically necessary, trading partners generally exchange only a small subset of the standard messages. CBL 2.0 addresses the most important of subsets of EDI messages. In designing CBL, we carefully studied two proposals for standard EDIFACT subsets: EANCOM and SIMPL-EDI.

EANCOM

EANCOM is a fully compliant subset of EDIFACT created by EAN International, the International Article Numbering Association. The mission of EAN and its member organizations in 90 countries is to "take a leading role in establishing a global multi-industry system of identification and communication for products and services." The EANCOM message standards work in conjunction with other EAN standards for bar codes and standard identifiers for companies and locations. Commerce One used the EANCOM standards for our CBL document types to validate its business requirements analysis.

EANCOM standards exist for all of the document types we defined in CBL 2.0, so they provided an excellent check for the thoroughness of our business requirements analysis. The EANCOM standards are exceptionally well documented, both with text and with graphical "branching diagrams" that depict the message structure much more intelligibly than the EDIFACT syntax and which link information elements to a comprehensive data dictionary. To facilitate interoperability with and migration from EDI in CBL 2.0, XML elements and attributes that map to EDIFACT ones are documented with the identifiers from the EANCOM data dictionary.

SIMPL-EDI

The SIMPL-EDI EDIFACT subset was developed by the Association of Standards and Practices in Electronic Trade. SIMPL-EDI messages "are significantly simpler in content and structure than any previously-published International EDIFACT subset."

SIMPL-EDI uses numeric values from code lists instead of long descriptions, such as standard product codes to reduce the need for line item details and standard location codes to eliminate the need for detailed addresses. It clearly makes sense to delegate the maintenance of a set of values for an element or attribute to the company or industry association best able to do so. We expect to follow this design principle through the use of registries and repositories inside of Marketsite as well as those hosted by organizations like xml.org, biztalk.org, or CommerceNet. These registries will contain relatively stable data like company profiles, trading partner agreements, and product descriptions, as well as the formal definitions of the messages themselves, and pointing at these will enable us to simplify the messages.

Of course, at some point the ruthless simplification of messages by using master data pointed to in repositories trades off against the effort needed to resolve those references and include the data. Contract enforcement, dispute resolution, and analysis of transactions to support more effective sourcing and supplier negotiation fundamentally require that all external references be resolved and the complete message be archived.

The SIMPL-EDI design approach is compelling and cogently presented, but we were able to use its proposed models to only a limited extent. We found that some of the standard messages didn't contain all of the information identified in our business requirements analysis.

OBI

The Open Buying on the Internet (OBI) initiative is developing a standard buying and selling framework for non-production goods and services to ensure that buy-side and sell-side systems are able to communicate and interoperate. Order Requests and Orders follow EDI X12 850 standards, but OBI is now working on an XML version of this implementation guideline. We studied the OBI purchase order model and successfully performed an "XMLification" on our own using our elements as a test of our model.

RosettaNet

The RosettaNet initiative is designed to facilitate the exchange of product catalogs and transactions between manufacturers, distributors, resellers, and shippers of personal computers and other information technology products. RosettaNet is developing both content and transaction standards.

A major effort at RosettaNet has been the development of a comprehensive data dictionary of 3500 technical properties needed to describe products in 135 categories. CBL 2.0 intentionally makes no effort to define specific product description semantics; instead, we are developing standard mechanisms for mapping property sets like those in RosettaNet into XML so they can be used to concretize the general CBL product catalog model.

CommerceNet eco framework

Our work has been greatly shaped by the "plug and play" vision of a commerce eco system. We actively participated in the CommerceNet eco framework project, which recently published eco.commerce.net, a comprehensive specification for expressing the "document services architecture" in XML.

CBL 1.1

We did not attempt to make CBL 2.0 backward compatible with earlier versions of CBL. CBL began as a research project to push the boundaries of XML as applied to electronic commerce. In CBL 2.0, the requirement for EDI compatibility led us to adopt a less abstract model of document types. CBL 2.0 includes only a limited number of CBL 1.1 modules—those meeting identifiable near-term business requirements.

XML Architectural Principles

Separation of Transport and Transaction Choreography from Content

It is fundamentally better to design document models that are not limited to a single method of transporting information between business partners. Unfortunately, many XML "standards" for electronic commerce are tightly coupled to HTTP. Because CBL 2.0 is designed not to require any particular transport, many aspects of message security, digital signatures, and similar issues are arguably out of scope. In the future, we anticipate incorporating the work on digital signatures being carried out by a joint IETF/W3C working group.

CBL 2.0 separates the contents of documents from information that specifies their routing or their role in the "choreography" of document exchange. EDI messages, in contrast, generally specify whether acknowledgments are expected, which documents are receiving a response, and so forth. CBL transmits this type of information in the message header or message envelope.

A general and elegant approach for separating content from transaction choreography and transport is described in the CommerceNet eco architectural specification released in September 1999. This specification defines standard XML documents by which businesses can describe themselves, the services they provide, the transaction choreography for those services, and the documents that define the interfaces to those services.

Modular Construction

CBL 2.0 follows traditional XML modular architecture. Each business document has the following structure:

- A header module such as InvoiceHdr or ProdCatHdr
- A MetaInfo module that specifies whether the document is an original, confirmation, duplicate, indicates what type of response is required, and includes error messages
- A set of core modules
- Optional attachments

The modules in CBL were identified in both a top-down and bottom-up fashion. Some obvious modules were suggested by well-established international standards, such as ISO 8601 (date and time), ISO 31 (measures), ISO 639 (languages: EN, FR, etc.), ISO 3166 (country codes: US, JP, etc.), and ISO 4217 (currencies: USD, FFR, etc.). We also considered the reusable structures depicted in the EANCOM branching diagrams and the master data recommendations in SIMPL-EDI when designing CBL modules.

Extensibility

CBL's modular structure allows businesses to use the standard documents or to customize them by:

- specifying new codes or identifiers
- attaching files to a document
- extending a document and appending additional data elements

The simplest method of customizing a standard CBL 2.0 document is to exploit a placeholder for "mutually defined" code lists that appears in many parts of CBL 2.0. This allows a new code list or set of identifiers to be used instead of standard ones. This customization makes no changes to the schema for the document type, so any application that uses the standard XML instances could parse the customized instance without a problem and then pass the new value to the receiving application.

Documents can also be customized by the addition of attachments such as reports, design documents, or multimedia files. Because attachments use a pre-defined optional attachment element, they do not require changes to the document schema. Applications that expect standard instances are able to parse instances that point to attachments.

Standard documents can be customized using the schema extension capabilities of the XML schema language in which CBL 2.0 is expressed. For example, a standard purchase order

```
<elementtype name="PurchaseOrder">
```

can be extended to meet specialized accounting needs (say, for the Defense Department):

```
<elementtype name="DefensePurchaseOrder">  
<extends name="PurchaseOrder">  
<model>  
<DefenseAccountingDisposition>  
...
```

which allows the application code for handling the standard elements and structures to be reused. Applications that do not require this additional information can safely ignore it; put another way, applications that expect PurchaseOrder instances can accept DefensePurchaseOrder ones with no additional effort.

Naming Conventions

Every element and attribute in CBL 2.0 has a "semantically meaningful" name consisting of one to four English words strung together without spaces. Each word begins with a capital letter. The purchase order, for example, is modeled in a document named PurchaseOrder and the price check request in a document called PriceCheckRequest.

Many of the longest names are needed for attributes, which often are used to make narrow distinctions in the meanings of their associated elements. EDI semantics are notoriously overloaded, with the same element having multiple interpretations based on context or the value of attributes. Worse yet, we often had to invent names from attributes with completely meaningless EDIFACT numerical identifiers.

Whenever we based an element or attribute on semantic foundations in EDIFACT or elsewhere, this mapping is recorded in a comment. We expect that XSL style sheets or other mechanisms can be used to transform names back to their EDIFACT roots or to local preferences when XML messages are rendered for human consumption.

Although all names are in English, we have avoided any English or US bias in the semantics they describe. The alternatives—meaningless acronyms and EDI segment names—provide far less information about the content they model.

Product-Independent Semantics

CBL 2.0 is not designed to model specific content domains. We have intentionally excluded product-specific semantics, assuming that these will be specified in XML registries and repositories.

Supporting a Variety of Programming Models

We expect our CBL documents to be processed by applications requiring inputs in a multitude of different forms. To foster the exchange of information among heterogeneous systems, our XML run-time system is designed to transform XML into Java Beans, Com Objects, database records, and vice versa. In essence, we have defined a new software development paradigm of “programming with documents” to configure our XML run-time software so it could connect with other businesses.

The richer the semantic description in the XML model for a document type, the greater the power to validate and transform instances in an XML processing system. Early versions of CBL were specified using XML DTDs, and our experience in developing an XML application builder or compiler that used CBL to generate other programming models showed that DTDs were not sufficiently expressive. A richer XML modeling formalism -- an XML schema language -- was clearly necessary.

Electronic Commerce Requirements

XML is well-suited for expressing structural rules about information models, but because XML has roots in publishing rather than in modeling per se, the content of elements is generally treated as character data, i.e., just text. Electronic commerce documents, however, like those in CBL 2.0, contain specialized types of content like dates and monetary amounts that would be better treated as specialized data types. There is no way for an XML parser to enforce this higher level of validation.

XML can describe a vast set of structural models, but it lacks a concise way to express occurrence rules with any more precision than the Kleene operators *, ?, and + (0 or more, 0 or 1, 1 or more). Models with seemingly arbitrary occurrence restrictions (e.g., between 10 and 99) are common in EDI messages.

XML is also incapable of easily expressing inheritance. A formal method of extending a CBL document model is needed if CBL processing software is to distinguish a standard document from one containing company-specific customizations, and to allow processing applications to determine whether or not they can ignore information that they don't understand.

User-defined datatypes, richer occurrence models, and inheritance mechanisms are three of the important features being considered by the World Wide Web Consortium (W3C) for an XML Schema language. A first working draft of a Schema language specification was released in May 1999, but a final recommendation from the W3C isn't expected until at least the end of 1999.

The Schema for Object-Oriented XML

In early 1998, Commerce One initiated the development of an XML schema language called Schema for Object-Oriented XML (SOX). We have expressed CBL 2.0 using SOX. (Its specification is an appendix to this Document Guide.) Once a standard W3C XML Schema Language has been approved, we will reissue CBL 2.0 in that language.

SOX Tutorial

Introduction

This chapter is intended for both novice and experienced schema authors who want to learn more about the features of the **SOX** language. It describes features such as namespaces, inheritance and polymorphism. It also provides sample schemas and instances. After completing this chapter, readers should have enough information to be able to write SOX schemas and instances.

This chapter assumes some familiarity with **XML**. For more information about the current version of XML, see the **XML 1.0 specification**, which can be found at:

<http://www.w3.org/TR/REC-xml/>

Familiarity with SOX is optional. For more information about SOX features, see the **SOX 2.0 specification**, which can be found at:

<http://www.w3.org/TR/NOTE-SOX/>

An Introduction to SOX Schemas and Instances

Two concepts are vital to the SOX language, a **SOX schema** and an **instance document**:

- **SOX schema** - defines structure rules in the form of **elementtype** definitions and **datatype** definitions. The schema is written in XML format and conforms to a **DTD** called "**schema.dtd**". The schema must be a valid instance of the DTD. A SOX schema has only one **root element**, which is of type schema. The schema element can include both elementtype definitions and datatype definitions.
- **Instance document** - an XML instance of a SOX schema. The instance is written in XML format and must conform to a schema or a set of schemas. It may have only one root element, and that element must be defined in a schema that the instance can access. That root element, and all of its valid content, must in turn conform to their

specific structure rules.

The Basics of a SOX schema

A schema provides a way of creating XML declarations that are easier to read and write. Because a SOX schema is expressed in XML format, it must be both **well-formed XML** and **valid XML** according to the schema DTD. The declarations contained in a schema enable a structured way of containing data.

A SOX schema also provides the basic **XML datatypes**, as well as an added number of **SOX datatypes**, which may be used for both element content and attributes. That means that any value of intrinsic type appearing anywhere in a document can be type checked. In addition, SOX provides a means for user-defined datatypes, which extend the intrinsic, pre-defined, datatypes. This means that a SOX schema writer can put additional constraints on datatypes to suit his or her needs.

The Basics of an Instance Document

An instance document must conform to structure rules set up in one or several schemas. This makes the XML instance document very useful for data storage, since content must be present in exactly the order stated in the schema, and with all required data present, in order for the document to be **valid**. A SOX **parser** such as **cxp** will be able to tell if the document is a valid instance or not. That means that data must be present, in the order defined in the schema. In addition that data will undergo a lot of validity checks for type and constraints. This saves a developer of a data consuming application a lot of work.

Document Type Declarations

All SOX documents, and the XML document instances, must start with certain identifying information, that states what type of document will follow. This informs a receiving application of what kind of document it is receiving, and also enables the application to verify that it is in fact a document it is able to process.

A SOX schema must have an **XML version tag**, as well as a **DOCTYPE declaration**.

An instance document must have a **soxtype declaration**.

XML Version and DOCTYPE declaration

A SOX schema is described in XML format, and is a valid XML document, conforming to the schema DTD. The SOX schema should therefore always begin with the XML version tag. The current version of XML at the time of this document is 1.0. Immediately following the XML version there should be a DOCTYPE declaration. It describes the type of the document that in the case of SOX schemas is schema. It also contains the location of the DTD to which the schema conforms, preceded by the SYSTEM keyword. These two lines should look the same in all Commerce One SOX schemas:

Example 1

```
<?xml version="1.0"?>  
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document::com:commerceone:xdk:xml:schema.dtd$1.0">
```

The Instance soxtype Declaration

Just as the SOX schema needs a DOCTYPE declaration to specify what DTD it conforms to, the instance that conforms to a schema needs a soxtype declaration to specify what schema it is instantiating. The format for the soxtype tag is very simple:

Example 2

```
<?soxtype urn:x-commerceone:document:sample:xdk:sox:sample.sox$1.0?>
```

The tag contains the keyword **soxtype**, which signals to a SOX processor, such as **cxp**, that this is an instance of a SOX schema. Next follows the URI of the schema that has been instantiated. It must correspond to the URI attribute of the schema element, as described in Example 3.

The Basic SOX Schema

Any SOX schema will, aside from an XML version and a DOCTYPE declaration, contain one root element: the **schema element**. The schema element start and end tags will be the wrapper of all other definitions in the document.

The Schema Element

The schema start tag must always contain a URI attribute. The URI Attribute defines the **namespace** of the schema, and is expressed in a URI format.

The namespace is a unique identifier of the schema, which may also be used in determining the schema's physical location. Here is an example of how the schema element would be used:

Example 3

```
<schema uri="urn:x-commerceone:document:sample:xdk:sox:sample.sox$1.0">  
  
...  
</schema>
```

The ellipsis, "...", symbolizes the content of the schema element.

Note Since the Commerce One implementation uses the URI of the schema to determine the physical location of the schema, a strict formula must be followed in constructing the URI, if the schema is to be used with Commerce One tools or software:

1. The URI must always start with "urn:x-commerceone:document:".
2. Determine what the root of your schema tree is. This is a location in the file hierarchy that all the schemas are located underneath. The root is represented as (ROOT) in the examples below.
3. From the root, determine the path to the file itself. That path will be the next part in the URI, with the file separator replaced with a colon ":". In the example above, the path to the file is "(ROOT)/sample/xdk/sox/". Note that an extra level is added to the physical path of the file, which is not reflected here. See step 5.
4. The next part of the URI, separated from the path by a colon, ":", is the name of the file. In the example above, the name of the file is "sample.sox".
5. The last part of the URI is the version. The version is separated from the rest of the URI by a "\$". In the example above the version is 1.0. Currently, the implementation only allows version 1.0. The version is represented in the physical location of the schema, as an extra

directory level in the path. This directory is the last directory in the path, and is therefore effectively the directory the schema is located in. That is, the schema must be physically located in a directory representing the version. The version is modified before being used in the path, by adding an "n" before the version, and substituting the period, ".", with an underscore, "_". Version 1.0 would therefore become "n1_0" in the physical path of the file. The version part of the path is not reflected in the part of the URI that is derived from the path, see step 3. In the example above, the schema would be located in "(ROOT)/sample/xdk/sox/n1_0".

The complete physical path to the file represented by the URI above would therefore be:

```
(ROOT)/sample/xdk/sox/n1_0/sample.sox
```

Elementtype Definitions

In your schema element, you can specify elementtype definitions. They are definitions of structures in your document. Any elementtype that has been specified in a schema can be instantiated as a root element in an instance of that schema. An elementtype can have 5 different kinds of content models: **empty**, **string**, **element**, **sequence** or **choice**.

Empty Content Model

An **empty content model** means that the element can contain no data or elements. It is useful when the presence of an element is optional (see *Occurs* on page 24) and the presence of the element is significant. An empty content model can also be useful when all of the data is contained in attributes (see *Attributes* on page 32).

Example 4

```
<elementtype name="NoContent">  
  <empty/>  
</elementtype>
```

Note the naming convention of the element in the example above. It is generally a good idea to name your objects in **Camel Case** style, where the name begins with an upper case letter, and each new word in the name also begins with an upper case letter. This makes the names easy to read.

Commerce One Implementation specific note:

In addition to making the names easier to read, this naming convention also creates class names and method names with good Java style in the java beans that the SOX compiler generates from the SOX schemas.

An instance of an elementtype with an empty content model can be expressed in two ways, with an open tag and close tag with no content in between, or an empty tag. Note that in the following examples, a forward slash signifies the end, or closure, of an element. Also note the difference in use of the forward slash in the following examples:

Example 5

```
<NoContent></NoContent>
```

In this element instance of `NoContent`, there is first an opening tag, immediately followed by a closing tag. The closing tag has the exact same name as the opening tag, but has a forward slash before the name, to signify that it is a closing tag. The lack of content between the tags means that this is an empty element. The same effect can be achieved with the empty tag:

Example 6

```
<NoContent/>
```

The empty tag is different from the start and end tags, in that it has the forward slash indicating closure, but it is appended to the tag name instead of preceding it. The empty tag functions as both a start tag and an end tag combined. It accomplishes exactly the same thing as the two tags in Example 5.

String Content Model

The **string content model** essentially means that the element can only contain data, and no elements. The string itself can be of a specific datatype, which can be intrinsic or user defined. See see *Intrinsic Datatypes* on page 73 for more information on the intrinsic datatypes available. This is useful when you have a very simple structure, which will only contain one piece of text data.

Example 7

```
<elementtype name="StringContent">
  <model>
    <string/>
  </model>
</elementtype>
```

This creates an element with a string content model, with a datatype of string. If no datatype has been provided the type will always default to string. Examples 8 and 9 show some possible instances of this elementtype:

Example 8

```
<StringContent>This is merely string content</StringContent>
```

Example 9

```
<StringContent></StringContent>
```

With a string datatype, such as **string**, **NMTOKEN** or **NMTOKENS**, it is possible to have an instance like the one in Example 9, where no value has been provided. In fact, you could even have an instance that has an empty tag. This might look odd, but it is the same thing as a string with a length of 0 characters, and is completely valid.

Here follows an example of how to set the datatype of the string content model:

Example 10

```
<elementtype name="IntegerStringContent">
  <model>
    <string datatype="int"/>
  </model>
</elementtype>
```

A sample instance of this elementtype could look like:

Example 11

```
<IntegerStringContent>123</IntegerStringContent>
```

In this case, you can not create an instance with no content. That would not be a valid integer! A string of 0 characters is perfectly valid in Example 9, but here the datatype has been set to be integer, and an integer must always have a value. Otherwise it simply wouldn't be an integer. The same is true for most of the intrinsic datatypes.

Element Content Model

An **element content model** means that the content of the defined element is restricted to be only one type of element. Any content model that is not empty must be contained within a model tag. The type of the element can either be an **intrinsic datatype**, (see *Intrinsic Datatypes* on page 73), **user defined datatype** or another **elementtype**. If the type is a datatype, then the element must also have a name, if the type is an elementtype the name is optional:

Example 12

```
<elementtype name="ElementContent">
  <model>
    <element type="string" name="StringContent"/>
  </model>
</elementtype>
```

An instance of the above elementtype could look like this:

Example 13

```
<ElementContent>
  <StringContent>This is my string content</StringContent>
</ElementContent>
```

Notice the difference between this example and Example 8. Here we get two levels of tags before we reach the text data. This is because the ElementContent element only has element content, and it is that element content that in turn has string content. Because the content is of type string, StringContent could have empty content, just as the element in example 9.

Next let's create an element content model with content that consists of another defined elementtype. Let's use the NoContent element from example 4:

Example 14

```
<elementtype name="ElementContentTwo">
  <model>
    <element type="NoContent"/>
  </model>
</elementtype>
```

An instance of this elementtype could look like this:

Example 15

```
<ElementContentTwo>
  <NoContent/>
</ElementContentTwo>
```

As expected, this instance looks just like example 13, with the major difference being that the inner element can not have any content. Just like that example, we have one element being contained inside the other. As stated above, when the type is another elementtype, the name value is optional. In this case we did not rename the contained elementtype, but what happens if we do?

Example 16

```
<elementtype name="ElementContentThree">
  <model>
    <element type="ElementContent" name="ElementName"/>
  </model>
</elementtype>
```

This elementtype only differs from the elementtype in example 14 in that it has a name value set. How will the instances differ from each other?

Example 17

```
<ElementContentThree>
  <ElementName>
    <ElementContent>Here is another string</ElementContent>
  </ElementName>
</ElementContentThree>
```

Here we can see that if the type is another elementtype, and a different name is assigned to it, the element in question gets two surrounding tags instead of one. The outer tag is the new name that has been assigned to the elementtype, and the inner tag is the actual type of the elementtype. This is necessary in order to enable polymorphism, which will be discussed in section [Polymorphism on page 64](#)

Sequence Content Model

The **sequence content model** can express a sequence in which a number of elements should appear in the instance. The content of the sequence can be elements or **nested sequences** or **nested choices**. There must be at least two content items in a sequence. The simplest sequence only contains two **element** elements:

Example 18

```
<elementtype name="SequenceContent">
  <model>
    <sequence>
      <element type="string" name="StringContent"/>
      <element type="int" name="IntegerContent"/>
    </sequence>
  </model>
</elementtype>
```

A valid instance of the elementtype in example 18 could look like this:

Example 19

```
<SequenceContent>
<StringContent>This is a string in a sequence</StringContent>
<IntegerContent>123</IntegerContent>
</SequenceContent>
```

In the instance of a sequence content model, the elements have to appear exactly in the order they were declared in the elementtype sequence. They may not appear out of order. The sequence model is a way to guarantee that the data appear exactly in the order it was specified.

Note that the sequence tags are not reflected in the instance. They are only a way to describe the structure of a document. A more complex model can for example contain nested sequences:

Example 20

```
<elementtype name="SequenceContentToo">
  <model>
    <sequence>
      <element type = "boolean" name="BooleanContent" />
      <sequence>
        <element type="float" name="FloatContent" />
        <element type="date" name="DateContent" />
      </sequence>
    </model>
  </elementtype>
```

This example introduces three new intrinsic datatypes, boolean, float and date. Refer to see *Intrinsic Datatypes* on page 73 for more information on these and other available intrinsic types. A valid instance of the above elementtype would look like this:

Example 21

```
<SequenceContentToo>
<BooleanContent>>true</BooleanContent>
<FloatContent>123.123</FloatContent>
<DateContent>19990101</DateContent>
</SequenceContentToo>
```

Again, note that the sequence tags are not reflected in the instance, not even the nested sequence. This does not mean they are not useful however, the ability to nest sequences and choices can be extremely useful for creating very precise complex content rules.

Choice Content Model

A **choice content model** is similar to the sequence in that it lists a number of elements, sequences or choices, but instead of describing a structure, they outline a number of options of what is allowed in the instance. In the actual instance, only one of the specified options is selected. As with a sequence, the choice must contain at least two items that can be **elements**, **nested sequences** or **nested choices**. Again, the simplest model is one with just two elements:

Example 22

```
<elementtype name="ChoiceContent">
  <model>
    <choice>
      <element type="string" name="StringContent"/>
      <element type="int" name="IntegerContent"/>
    </choice>
  </model>
</elementtype>
```

One valid instance of this elementtype could be:

Example 23

```
<ChoiceContent>
<StringContent>This is a string in a choice</StringContent>
</ChoiceContent>
```

In this instance, the `StringContent` element has been chosen. Since only one element can be chosen, it would not be valid to have more than one element from the choice. Now let's try choosing the `IntegerContent` element instead:

Example 24

```
<ChoiceContent>
<IntegerContent>123</IntegerContent>
</ChoiceContent>
```

Next let's make a more complex choice content model, using a nested sequence as one of the options:

Example 25

```
<elementtype name="ChoiceContentToo">
  <model>
    <choice>
      <element type="boolean" name="BooleanContent"/>
      <sequence>
        <element type="float" name="FloatContent"/>
        <element type="date" name="DateContent"/>
      </sequence>
    </choice>
  </model>
</elementtype>
```

In this example, we have the option between choosing either the BooleanContent element, or the sequence containing the FloatContent and DateContent elements. First, let's try the simpler instance case:

Example 26

```
<ChoiceContentToo>
<BooleanContent>true</BooleanContent>
</ChoiceContentToo>
```

This is just as straightforward as in Examples 23 and 24. Now let's try the other instance case:

Example 27

```
<ChoiceContentToo>
<FloatContent>123.123</FloatContent>
<DateContent>19990101</DateContent>
</ChoiceContentToo>
```

Note that in this case, both elements in the sequence have been selected. That is because the sequence they were contained in was the selected option, not the elements themselves. Only the outermost structures

contained in the choice can be selected when creating an instance. `FloatContent` by itself would not have been a valid choice since `DateContent` would be missing from the selected sequence.

Occurs

Elements, nested sequences or nested choices can have occurrence specifications. String elements may not have an occurrence, because they do not define any named tags. Therefore there would be no way to tell where one string ends and another starts. This does not apply to elements of type string, they have an enclosing tag, and can therefore, just as any other element, have multiple occurrences.

Another disallowed case is an outermost sequence or choice, that is, a sequence or choice contained directly in the model tag. These content models may not have an occurrence at the present time.

An occurrence specification can specify that a certain object can be optional, and/or can be allowed more than once. There are 4 different ways of specifying an occurrence: `?`, `+`, `*` or `N,M`. The default occurrence is 1. That is, if no occurrence value has been specified, as has been the case with all of our examples so far, then the object must be present, and may only occur once.

? Occurrence

An occurs value of `"?"` specifies that an element, nested sequence or nested choice is optional, and that it may or may not appear once. First let's try the simplest case, that of an **element content model** (see section:

Example 28

```
<elementtype name="OptionalContent">
  <model>
    <element type="string" name="StringContent" occurs="?" />
  </model>
</elementtype>
```

Here we specify that the element `StringContent` may, or may not, appear inside the element `OptionalContent`. First, let's try it with the element present:

Example 29

```
<OptionalContent>
<StringContent>This element is optional</StringContent>
</OptionalContent >
```

The instance in Example 29 behaves as though there were no `occurs` value. Next let's omit the element:

Example 30

```
<OptionalContent>
</OptionalContent>
```

What we end up with here is an empty element. In fact, we could even have used an empty tag, and it would have been perfectly legal.

Next, let's try a slightly more complex elementtype:

Example 31

```
<elementtype name="OptionalSequenceContent">
  <model>
    <sequence>
      <element type="boolean" name="BooleanContent"/>
      <sequence occurs="?">
        <element type="float" name="FloatContent"/>
        <element type="date" name="DateContent"/>
      </sequence>
    </sequence>
  </model>
</elementtype>
```

In this example the `BooleanContent` element is required, but the sequence that follows it is optional. First, let's try with all elements present:

Example 32

```
<OptionalSequenceContent>
<BooleanContent>
<FloatContent>123.321</FloatContent>
<DateContent>19991231</DateContent>
</OptionalSequenceContent>
```

Next, let's omit the optional sequence:

Example 33

```
<OptionalSequenceContent>
<BooleanContent>
</OptionalSequenceContent>
```

+ Occurrence

An occurs value of "+" specifies that an element, nested sequence or nested choice may be present more than once, but always have to appear at least once. This gives you the option of having more than one of the same element, but still enforce that it appears in an instance. First let's try a simple case, with only one repeatable element:

Example 34

```
<elementtype name="RepeatableContent">
  <model>
    <element type="string" name="StringContent" occurs="+"/>
  </model>
</elementtype>
```

Even though the elementtype in Example 34 has a single element content, a valid instance can now contain many elements, as long as they are all of StringContent type:

Example 35

```
<RepeatableContent>
<StringContent>This is the first occurrence</StringContent>
<StringContent>This is the second</StringContent>
<StringContent>I can have as many as I like</StringContent>
<StringContent>But I think this is enough</StringContent>
</RepeatableContent>
```

Having only one content element is still perfectly valid:

Example 36

```
<RepeatableContent>
<StringContent>Having only one is fine</StringContent>
</RepeatableContent>
```

A more complex case involves having repeatable nested sequences or choices:

Example 37

```
<elementtype name="RepeatableSequenceContent">
  <model>
    <sequence>
      <element type="boolean" name="BooleanContent"/>
      <sequence occurs="+">
        <element type="float" name="FloatContent"/>
        <element type="date" name="DateContent"/>
      </sequence>
    </sequence>
  </model>
</elementtype>
```

An instance of this elementtype must contain one, and only one of the BooleanContent element, but it can contain the nested sequence once, or several times repeated:

Example 38

```
<RepeatableSequenceContent>
<BooleanContent>>false</BooleanContent>
<FloatContent>123.0</FloatContent>
<DateContent>19950228</DateContent>
<FloatContent>0.0</FloatContent>
<DateContent>18971225</DateContent>
<FloatContent>5729.0001</FloatContent>
<DateContent>20000101</DateContent>
</RepeatableSequenceContent>
```

Note in this example that the nested sequence must always have all of its content present, and in the right order, but can be repeated any number of times.

** Occurrence*

An occurs value of "*" specifies that an element, nested sequence or nested choice is optional, but may appear multiple times. This is useful when an element's presence isn't required, but you would like it to be able to appear any number of times:

Example 39

```
<elementtype name="OptionalMultipleContent">
  <model>
    <element type="string" name="StringContent" occurs="*" />
  </model>
</elementtype>
```

An instance of this elementtype could have any number of the StringContent element:

Example 40

```
<OptionalMultipleContent>
  <StringContent>Or you can have many</StringContent>
  <StringContent>As many as you like</StringContent>
  <StringContent>Any amount you feel like</StringContent>
  <StringContent>Or none at all</StringContent>
</OptionalMultipleContent>
```

At the same time, a perfectly valid instance of the elementtype in Example 39 could have no StringContent content elements at all:

Example 41

```
<OptionalMultipleContent />
```

In this case, we have even made the OptionalMultipleContent element an empty tag. Since it does not contain any content, this is perfectly valid.

Let's create a more complex example where we use a "*" occurrence in a nested choice:

Example 42

```
<elementtype name="OptionalMultipleChoiceContent">
  <model>
    <sequence>
      <element type="boolean" name="BooleanContent"/>
      <choice occurs="*">
        <element type="float" name="FloatContent"/>
        <element type="date" name="DateContent"/>
      </choice>
    </sequence>
  </model>
</elementtype>
```

This schema allows an instance to make a choice from the available choices, any number of times, from zero to an infinite number. As usual, `BooleanContent` is a required element.

Let's create a valid instance of this elementtype:

Example 43

```
<OptionalMultipleChoiceContent>
<BooleanContent>>false</BooleanContent>
<DateContent>19770717</DateContent>
<DateContent>19721219</DateContent>
<FloatContent>5729.0001</FloatContent>
<DateContent>20010101</DateContent>
</OptionalMultipleChoiceContent>
```

Compare the above instance to Example 38, which contains a nested sequence. In Example 38, the sequence can appear any number of times, but the sequence must always be complete. This example is much less restricted, since any of the elements can be chosen each time. Thus a valid instance could contain only `FloatContent` elements, or only `DateContent` elements, in addition to the required `BooleanContent` element of course.

Another valid use would be to omit the choice completely, since it has an occurs of "*":

Example 44

```
<OptionalMultipleChoiceContent>
<BooleanContent>true</BooleanContent>
</OptionalMultipleChoiceContent>
```

NN,M occurrence

An occurs value of **N,M**, (where N and M specifies numeric values), specifies an occurrence range of an element, nested sequence or nested choice. This is useful when you want multiple occurrences, but still want to limit how many objects are allowed, or when you want a multiple minimum occurrence, or a specific number of one specific object. First, lets try setting a range for an elements' occurrence:

Example 45

```
<elementtype name="OneToThreeContent">
  <model>
    <element type="string" name="StringContent" occurs="1,3"/>
  </model>
</elementtype>
```

In this example we have specified that a valid instance of `OneToThreeContent` can contain between 1 and 3 instances of the `StringContent` element. This means we can have 1, 2 or 3 instances of that element. Let's try to have 2:

Example 46

```
<OneToThreeContent>
<StringContent>String one</StringContent>
<StringContent>String two</StringContent>
</OneToThreeContent>
```

It is also possible to specify an unlimited maximum occurrence. In that case the "*" occurrence specifier is used as the second value:

Example 47

```
<elementtype name="TwoToManyContent">
  <model>
    <element type="int" name="IntContent" occurs="2,*"/>
  </model>
</elementtype>
```

In this case we have specified that `TwoToManyContent` must be at least 2, and up to any number of instances of the `IntContent` element. Here is a possible instance of the elementtype:

Example 48

```
<TwoToManyContent>
<IntContent>1</IntContent>
<IntContent>2</IntContent>
<IntContent>3</IntContent>
<IntContent>4</IntContent>
</TwoToManyContent>
```

Next let's try to use the N,M occurrence to specify a specific number of valid occurrences:

Example 49

```
<elementtype name="FourContent">
  <model>
<element type="boolean" name="BooleanContent" occurs="4,4"/>
  </model>
</elementtype>
```

A valid instance of `FourContent` in Example 49 must contain 4, and only 4, instances of `BooleanContent`. This way we can very easily constrain a multiple occurrence of an element, or a nested sequence or choice for that matter.

A valid instance would look like this:

Example 50

```
<FourContent>
<BooleanContent>true</BooleanContent>
<BooleanContent>true</BooleanContent>
<BooleanContent>>false</BooleanContent>
<BooleanContent>true</BooleanContent>
</FourContent>
```

Note The Commerce One implementation of the SOX parser and SOX compiler currently does not reinforce the exact values in an N,M occurrence, but will treat a 0,M as an occurrence of * and an N,M as an occurrence of +.

Java beans generated from the SOX compiler will not allow higher occurrences than specified however. Therefore it is not recommended to use the N,M occurrence as if it meant * or +, but rather as it was intended.

Attributes

In addition to putting data as content in tags, you can also specify **attributes**, just as in XML. Attributes are contained in the start tag, and consist of a name, and equal sign, and a quoted value. An attribute's type can be of an intrinsic datatype or a user defined datatype, but never an elementtype. An element can have multiple attributes.

Often an attribute is used to describe an element, or the content of the element. There are no strict guidelines as to when to use attributes and when to use elements. Generally the attribute is thought to have a "is-a" relation to the element, as opposed to the "has-a" relation of the element content. For example, a `Person` element could have `Age` and `Nationality` attributes, whereas it could contain `Clothing` and `Car` elements. In this case the person is of a certain nationality and age, something that relates to who that person is, whereas the items that person owns are less tied to that specific person, and are probably better suited to be full fledged elements of their own, with their own attributes and content.

Another good rule is if the data is relatively small, such as a few characters long, it can often make sense to use an attribute, as it will cut down the size of the instance considerably.

In addition, a major advantage of attributes is that an attribute can be specified to have a fixed or a default value, which is not possible for data in an element.

An attribute definition should contain a presence specification element, which specifies the presence information for the attribute. 4 different presence modes exist: **required**, **implied**, **default**, **fixed**:

- **Required** - the attribute must be present in the instance.
- **Implied** - The attribute is optional in the instance.
- **Default** - The attribute has a default value. If no value is specified in the instance, then the parsing application will behave as if the attribute was specified, with the default value that was provided in

the schema.

- **Fixed** - It is an error for the attribute to have any other value in the instance than the one specified in the schema. The attribute does not have to be explicitly present in the instance, but the parsing application will behave as if the value is present, with the fixed value.

If you do not provide a presence mode, the attribute presence will default to **implied**.

Let's create an elementtype with a few attributes:

Example 51

```
<elementtype name="Person">
  <model>
    <element datatype="NMTOKENS" name="Name" />
  </model>
  <attdef name="age" datatype="int">
    <required/>
  </attdef>
  <attdef name="occupation" datatype="string">
    <implied/>
  </attdef>
  <attdef name="language" datatype="NMTOKEN">
    <default>English</default>
  </attdef>
  <attdef name="species" datatype="string">
    <fixed>human</fixed>
  </attdef>
</elementtype>
```

Example 51 uses all 4 different presence modes. The datatypes NMTOKEN and NMTOKENS are intrinsic datatypes. See see *Intrinsic Datatypes* on page 73. Here is a valid instance of the above elementtype:

Example 52

```
<Person age="28" occupation="engineer" language="Chinese" species="human">
  <Name>John F. Smith</Name>
</Person>
```

Here all 4 attributes were specified. Note that attribute values must always be quoted. Also note that the value of the attribute species conforms to the fixed value specified in Example 48. Any other value would make this instance invalid. Now let's try and omit those attributes that are not required:

Example 53

```
<Person age="43">  
  <Name>Doris Baumgartner</Name>  
</Person>
```

In this example, only the required attribute `age` is provided. That means that Doris does not have an occupation, and her language will default to English. Her species will always be fixed to human regardless of if it is provided or not.

Datatype Definitions

The SOX schema syntax provides you with the ability to define your own datatypes. This is very useful when you want to put restrictions on the allowable values for an attribute or element. Datatypes can never be instantiated by themselves, but have to be used as types for elements or attributes.

There are three ways to define a datatype, as an **enumeration**, a **scalar** or a **varchar**.

Enumeration Datatype Definition

An **enumeration** is a way to give an enumeration of allowable values of any intrinsic or user defined datatype. A list of options is provided in the datatype definition:

Example 54

```
<datatype name="Color">
  <enumeration datatype="NMTOKEN">
    <option>Red</option>
  <option>Blue</option>
  <option>Green</option>
  <option>Yellow</option>
  <option>Orange</option>
  <option>Purple</option>
  <option>Black</option>
  <option>White</option>
  <option>Grey</option>
  </enumeration>
</datatype>

<datatype name="TrafficLightColor">
  <enumeration datatype="Color">
    <option>Red</option>
  <option>Green</option>
  <option>Yellow</option>
  </enumeration>
</datatype>

<elementtype name="TrafficLight">
  <model>
    <element name="State" type="TrafficLightColor"/>
  </model>
  <attdef name="CasingColor" datatype="Color">
    <required/>
  </attdef>
</elementtype>
```

In the first datatype we define an enumeration of NMTOKENs called **Color**. The enumeration lists a number of allowed values in **option** tags. These values are the only valid ones in the instance. The second datatype is a specialized subset of the first enumeration called **TrafficLightColor**. It puts further constraints on the **Color**

datatype. It cannot add a value that does not exist in `Color`, since that would not be a valid color value. Next, since a datatype can not be instantiated, we create an elementtype called `TrafficLight` that uses both of these datatypes. One of the datatypes is used in an element, and the other in an attribute. A valid instance of the elementtype would look like this:

Example 55

```
<TrafficLight CasingColor="Grey">  
  <State>Green</State>  
</TrafficLight>
```

As you can see, enumerations can be very useful, because you can specify a very specific set of values that you will accept as being valid for an element or an attribute. Unless the values provided in an instance conforms to that set of values, it will not be valid.

Scalar Datatype Definition

A **scalar** is useful when you want to use a numeric value, but want to restrict the range, number of decimals and/or number of digits. A scalar has to be of type number, float, int, byte, long, double or any subtype thereof. That means its type can be another scalar that is of one of those types.

Example 56

```
<datatype name="Price">
  <scalar datatype="float" decimals="2"/>
</datatype>

<datatype name="MovieTicketPrice">
<scalar datatype="Price" digits="1" maxvalue="8.50"
minvalue="1.50" maxexclusive="false" minexclusive="false"/>
</datatype>

<elementtype name="MovieTicket">
  <model>
    <element name="MovieTitle" type="string"/>
  </model>
  <attdef name="TicketPrice" datatype="MovieTicketPrice">
    <required/>
  </attdef>
</elementtype>
```

In this case we have defined a scalar that can be used to express a generic price. The only restriction it has is that of the number of decimals, so we can express any price that deals with a whole number of cents. Next a subtype of price is defined, called `MovieTicketPrice`. It is defined specifically to express the price of a movie ticket. It always has to be more restrictive than its type, in this case `Price`. It will inherit any restrictions from its supertype, and is therefore not allowed to loosen up the supertype restrictions. This means that in this case, `MovieTicketPrice` is not allowed to have a `decimals` value that is higher than that of the same value in `Price`, which is `MovieTicketPrice`'s supertype.

In this case we do not try to change the `decimals` value, however, but we have added some restrictions to the new datatype. We have specified that the value may only have one digit with the **`digits`** attribute (not including the decimals). We have also set **`minvalue`** and **`maxvalue`** to constrain the scalar to be a value between 1.50 and 8.50. Finally we define that the minimum and maximum values are both valid values, by setting both **`minexclusive`** and **`maxexclusive`** to false. That means that we are not excluding those values from being valid. It should be noted

that `MovieTicketPrice` uses all the possible constraints available for a scalar. **decimals** is used indirectly, through inheritance from `Price`, and the rest are used directly by `MovieTicketPrice`.

In the example above, we have also defined an elementtype called `MovieTicket` that uses the `MovieTicketPrice` datatype. A valid instance could look like this:

Example 57

```
<MovieTicket TicketPrice="6.50">  
  <MovieTitle>Gone With the Wind</MovieTitle>  
</MovieTicket>
```

Varchar Datatype Definition

A **varchar** datatype restricts string types to have a maximum length. Varchars can be of type string, NMTOKEN, NMTOKENS, ID, IDREF, IDREFS or another varchar, and must specify the **maxlength** attribute. Any instance of the datatype is not allowed to exceed the specified maximum length.

Example 58

```
<datatype name="LimitedString">
  <varchar maxlength="50" datatype="string"/>
</datatype>

<datatype name="TitleString">
  <varchar maxlength="25" datatype="LimitedString"/>
</datatype>

<datatype name="PhoneString">
<varchar maxlength="16" datatype="LimitedString"/>
</datatype>

<elementtype name="BusinessCard">
  <model>
    <sequence>
      <element name="Name" type="string"/>
<element name="Title" type="TitleString"/>
      <element name="Phone" type="PhoneString"/>
      <element name="Motto" type="LimitedString"/>
    </sequence>
  </model>
</elementtype>
```

In this example we have decided to create a SOX schema as a template for the information that goes on a business card. We define 3 varchar, 2 of which derive from the first varchar. The first is called `limitedString`. It is used for those employees who wish to put a motto on their card, but in order to be able to fit the motto on the card, we have the constraint that a motto can have a maximum length of 50 characters. We also limit the length of the title they can put on their card. The phone number has a limit to its length, which corresponds to the length of a normally formatted phone number. Now we can ensure that the employee information will fit onto the card.

An instance could look like:

Example 59

```
<BusinessCard>
<Name>Harold Hodgemeier</Name>
<Title>Regional Coordinator</Title>
<Phone>1 (800) 123-4567</Phone>
<Motto>To boldly go where no man has gone before...</Motto>
</BusinessCard>
```

Anonymous Datatype Definitions

In addition to defining enumerations, scalars and varchars as reusable datatypes, you can also make an anonymous definition inside of an attribute definition. The datatype can then only be used for that attribute, and cannot be reused, as opposed to regularly defined datatypes. It is important to note that if a datatype is defined in the attribute definition, then the attribute definition itself may not specify its datatype attribute. This would serve no purpose, and would probably contradict what is being specified inside the attribute definition.

Here is an example of anonymously defined datatypes:

Example 60

```
<elementtype name="Car">
  <empty/>
  <attdef name="Color">
    <enumeration datatype="NMTOKEN">
      <option>Red</option>
      <option>Blue</option>
      <option>Silver</option>
      <option>Black</option>
      <option>White</option>
      <option>Brown</option>
      <option>Green</option>
    </enumeration>
  </attdef>
  <attdef name="Registration">
    <varchar maxlength="7" datatype="string"/>
  </attdef>
```

```
</attdef>
<attdef name="Mileage">
  <scalar datatype="double" digits="6" decimals="1"
minvalue="0"/>
  <required/>
</attdef>
</elementtype>
```

Here we have defined an anonymous enumeration, scalar and varchar, each in its own attribute definition in an elementtype. An instance could look like this:

Example 61

```
<Car color="Blue" registration="MY CAR" mileage="72881.0"/>
```

As you can see, the attributes are used just as if the anonymous datatypes had been specified as regular datatypes.

Complete SOX Schema

Now we are ready to create a complete SOX schema. This example provides structure for information about a film. Don't forget the XML version and DOCTYPE declaration at the top of the schema!

Example 62

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM
  "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:sample:xdk:sox:Film.sox$1.0">

  <elementtype name="Film">
    <model>
      <sequence>
        <element name="Director" type="Crew" occurs="?" />
<element name="Actor" type="Crew" occurs="*" />
      </sequence>
    </model>
    <attdef name="Name" datatype="string">
```

```
        <required/>
    </attdef>
    <attdef name="Genre" datatype="FilmGenre">
        <required/>
    </attdef>
    <attdef name="Length" datatype="int">
        <required/>
    </attdef>
    <attdef name="ReleaseYear" datatype="Year">
        <implied/>
    </attdef>
</elementtype>

<elementtype name="Crew">
    <model>
        <element name="PreviousFilm" type="FilmSummary"
            occurs="*" />
    </model>
    <attdef name="Name" datatype="string">
        <required/>
    </attdef>
    <attdef name="Gender">
        <enumeration datatype="NMTOKEN">
            <option>male</option>
            <option>female</option>
        </enumeration>
        <required/>
    </attdef>
</elementtype>

<elementtype name="FilmSummary">
    <empty/>
    <attdef name="Name" datatype="string">
        <required/>
    </attdef>
    <attdef name="ReleaseYear" datatype="Year">
        <required/>
```

```

    </attdef>
  </elementtype>

  <datatype name="FilmGenre">
    <enumeration datatype="string">
      <option>Comedy</option>
      <option>Drama</option>
      <option>Sci-fi</option>
      <option>Thriller</option>
      <option>Action</option>
      <option>Western</option>
    </enumeration>
  </datatype>

  <datatype name="Year">
    <scalar datatype="int" digits="4" minvalue="1880"/>
  </datatype>
</schema>

```

Here follows a sample Instance of the Film Schema. Don't forget the soxtype declaration at the top of the instance!

Example 63

```

<?soxtype urn:x-commerceone:document:sample:xdk:sox:Film.sox$1.0?>

<Film Name="Gone With the Wind" Genre="Drama" Length="222"
  ReleaseYear="1939">
  <Director>
    <Crew Name="Victor Fleming" Gender="male">
      <PreviousFilm>
        <FilmSummary Name="Wizard of Oz" ReleaseYear="1939"/>
      </PreviousFilm>
      <PreviousFilm>
        <FilmSummary Name="Treasure Island"
          ReleaseYear="1934"/>
      </PreviousFilm>
    </Crew>
  </Director>
</Film>

```

```
    </Crew>
  </Director>
  <Actor>
    <Crew Name="Clark Gable" Gender="male">
      <PreviousFilm>
        <FilmSummary Name="Misfits" ReleaseYear="1961"/>
      </PreviousFilm>
      <PreviousFilm>
        <FilmSummary Name="It Happened One Night"
          ReleaseYear="1961"/>
      </PreviousFilm>
    </Crew>
  </Actor>
  <Actor>
    <Crew Name="Vivien Leigh" Gender="female">
      <PreviousFilm>
        <FilmSummary Name="A streetcar named Desire"
          ReleaseYear="1951"/>
      </PreviousFilm>
    </Crew>
  </Actor>
</Film>
```

Namespaces

A schema exists in a **namespace**, defined by the URI attribute on the schema element of that schema. To use definitions from another schema, you should import that schema's namespace into the current schema. This is very similar to importing java classes. It enables you to reuse elementtypes or datatypes, and it promotes modular schema writing. If you intend to create complex or reusable schemas and definitions, it is highly recommended that you use namespace imports.

Even after you have imported the definitions into your schema, they still retain their own namespace, and must always be referred to with a **prefix** associated with that namespace. This enables you to redefine the same name in different schemas, and still be able to reuse the definitions without name collisions.

Importing SOX Schemas

In order to be able to use definitions in a schema, you first need to import the schema that you want to use. This is done with the **namespace element**. The namespace element associates a prefix with a namespace.

Example 64

```
<namespace prefix="pre"
namespace="urn:x-commerceone:document:sample:xdk:sox:sample.sox$1.0"/>
```

Using Elementtypes and Datatypes from Imported Schemas

Now that a prefix has been associated with a namespace, the definitions from the imported namespace can be used freely, as long as they are used with the defined prefix. First we define a schema that has generic definitions:

Example 65

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM
  "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">
<schema uri=
  "urn:x-commerceone:document:sample:xdk:sox:Container.sox$1.0">

  <elementtype name="AluminumCan">
    <empty/>
  </elementtype>

  <elementtype name="GlassBottle">
    <empty/>
  </elementtype>
```

```
<elementtype name="PaperCup">
  <model>
    <sequence>
      <element type="Lid" occurs="?" />
      <element type="Straw" occurs="?" />
    </sequence>
  </model>
</elementtype>

<elementtype name="Lid">
  <empty/>
</elementtype>

<elementtype name="Straw">
  <empty/>
  <attdef name="Striped" datatype="boolean">
<default>>false</default>
  </attdef>
</elementtype>

</schema>
```

Next we define a schema that imports and reuses elements from the Container schema:

Example 66

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM
  "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:sample:xdk:sox:Beverage.sox$1.0">

  <namespace prefix="containers" namespace=
    "urn:x-commerceone:document:sample:xdk:sox:Container.sox$1.0" />

  <elementtype name="Beverage">
```

```
<model>
  <sequence>
    <element name="Name" type="string"/>
    <choice>
      <element name="Can" type="AluminumCan"
        prefix="containers"/>
      <element type="GlassBottle" prefix="containers"/>
      <element type="PaperCup" prefix="containers"/>
    </choice>
  </sequence>
</model>
<attdef name="Volume" datatype="float">
  <required/>
</attdef>
<attdef name="VolumeUnit" datatype="Unit">
  <default>fluid ounces</default>
</attdef>
<attdef name="Price" datatype="float">
  <required/>
</attdef>
<attdef name="Carbonated" datatype="boolean">
  <default>>true</default>
</attdef>
</elementtype>

<datatype name="Unit">
  <enumeration datatype="NMTOKENS">
    <option>fluid ounces</option>
    <option>milliliters</option>
    <option>centiliters</option>
    <option>liters</option>
  </enumeration>
</datatype>

</schema>
```


Importing and using the elements from `Container.sox` is pretty obvious. A prefix is given in an attribute for any types defined in a different schema, and that prefix is defined in the namespace import tag.

The interesting part comes when we try to make an instance of a schema that uses namespaces. How does this look?

Example 67

```
<?soxtype urn:x-commerceone:document:sample:xdk:sox:Beverage.sox$1.0?>

<Beverage Volume="12" Price="0.99" Carbonated="true">
  <Name>Coca Cola</Name>
  <other:PaperCup xmlns:other=
    "urn:x-commerceone:document:sample:xdk:sox:Container.sox$1.0">
    <other:Lid/>
    <other:Straw Striped="true"></other:Straw>
  </other:PaperCup>
</Beverage>
```

The `Beverage` element has been defined in what is called the **current namespace**, that is, the namespace that is given in the `soxtype` definition at the top of the instance. Therefore, anything that is defined in the `Beverage` schema, can be used without namespaces, as usual. The `PaperCup` element has been defined in the `Container` namespace however, so its namespace must first be defined in attribute format, where the name is the `xmlns` keyword, followed by a colon ":" and the prefix. In this case we have chosen the prefix "other". The prefix does not have to be the same as that defined in the schema. The value of the `xmlns:other` attribute is the namespace that the prefix maps to. Any elements that have been defined in the `Container` namespace must now be used with the "other" prefix and a colon, pre-pended to the element name. This is true for both opening and closing tags.

But what if an imported elementtype is given a new name in the content model in the importing schema? The definition of the element is still in the imported schema, but the new name has been defined in the current namespace. Let's take a look at an example:

Example 68

```
<?soxtype urn:x-commerceone:document:sample:xdk:sox:Beverage.sox$1.0?>

<Beverage Volume="8" Price="0.45" Carbonated="true" xmlns:other=
  "urn:x-commerceone:document:sample:xdk:sox:Container.sox$1.0">
  <Name>Tab</Name>
  <Can>
    <other:AluminumCan/>
  </Can>
</Beverage>
```

AluminumCan needs to have the prefix of the namespace in which it was defined. The new name, Can, is defined in the current namespace, and therefore should not have a prefix.

In this example the definition of the prefix has been placed in the root element, which is perfectly legal. The prefix-namespace association will still be valid for throughout the current namespace, that is, the current schema. If an instance contains many namespace definitions, it can be a good idea to place them all inside the Root element, because it makes them easier to find, and it makes the instance easier to read.

Multi-Level Imports

The previous namespace examples were fairly straightforward. What if we import from multiple namespaces, and some of those namespaces in turn have imported other namespaces? Let's add a new schema:

Example 69

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM
  "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">
<schema uri="urn:x-commerceone:document:sample:xdk:sox:Snack.sox$1.0">

  <elementtype name="Snack">
    <model>
      <choice>
        <element type="PopCorn" />
        <element name="Candy" type="ChocolateBar" />
        <element name="Fruit" type="FruitEnum" />
      </choice>
    </model>
  </elementtype>

  <elementtype name="PopCorn">
    <empty/>
    <attdef name="LowFat" datatype="boolean">
      <implied/>
    </attdef>
  </elementtype>

  <elementtype name="ChocolateBar">
    <model>
      <element name="Name" type="string" />
    </model>
  </elementtype>

  <datatype name="FruitEnum">
    <enumeration datatype="NMTOKEN">
      <option>Apple</option><option>Banana</option>
      <option>orange</option><option>mango</option>
      <option>grapes</option><option>melon</option>
    </enumeration>
  </datatype>

</schema>
```

This schema defines a `Snack` element, which in turn will contain one or a number of choices of specific snacks.

Next we define a `RefreshmentOrder` which imports both the `Snack` schema and `Beverage` schema (which in turn imports the `Container` schema):

Example 70

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM
  "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri=
  "urn:x-commerceone:document:sample:xdk:sox:RefreshmentOrder.sox$1.0">

  <namespace prefix="bev" namespace=
    "urn:x-commerceone:document:sample:xdk:sox:Beverage.sox$1.0"/>

  <namespace prefix="snack" namespace=
    "urn:x-commerceone:document:sample:xdk:sox:Snack.sox$1.0"/>

  <elementtype name="RefreshmentOrder">
    <model>
      <sequence>
        <element type="BeverageOrder" occurs="*" />
        <element type="SnackOrder" occurs="*" />
      </sequence>
    </model>
    <attdef name="Charge">
      <enumeration datatype="string">
        <option>cash</option>
        <option>check</option>
        <option>credit</option>
      </enumeration>
      <required/>
    </attdef>
  </elementtype>
```

```
<elementtype name="BeverageOrder">
  <model>
    <element name="BeverageSpec" prefix="bev" type="Beverage"/>
  </model>
  <attdef name="Quantity" datatype="int">
    <required/>
  </attdef>
</elementtype>

<elementtype name="SnackOrder">
  <model>
    <element prefix="snack" type="Snack"/>
  </model>
  <attdef name="Quantity" datatype="int">
    <required/>
  </attdef>
</elementtype>
</schema>
```

Keep in mind that a namespace import made in one schema is not visible in any other schema. That means, that even though `RefreshmentOrder.sox` imports `Beverage.sox`, it does not have access to any definitions in `Container.sox`, without explicitly importing that schema itself.

An instance of the `RefreshmentOrder` schema could look like this

Example 71

```
<?soxtype
urn:x-commerceone:document:sample:xdk:sox:RefreshmentOrder.sox$1.0 ?>

<RefreshmentOrder Charge="credit"
  xmlns:bev="urn:x-commerceone:document:sample:xdk:sox:Beverage.sox$1.0"

  xmlns:cnt=
  "urn:x-commerceone:document:sample:xdk:sox:Container.sox$1.0"
```

```
xmlns:snk="urn:x-commerceone:document:sample:xdk:sox:Snack.sox$1.0">

  <BeverageOrder Quantity="100">
    <BeverageSpec>
      <bev:Beverage Volume="355" VolumeUnit="milliliters"
        Price="1.29">
        <bev:Name>Juice Squeeze Ruby Grapefruit</bev:Name>
        <cnt:GlassBottle/>
      </bev:Beverage>
    </BeverageSpec>
  </BeverageOrder>
  <BeverageOrder Quantity="250">
    <BeverageSpec>
      <bev:Beverage Volume="12" Price="0.65">
        <bev:Name>Coca Cola</bev:Name>
        <bev:Can>
          <cnt:AluminumCan/>
        </bev:Can>
      </bev:Beverage>
    </BeverageSpec>
  </BeverageOrder>
  <SnackOrder Quantity="50">
    <snk:Snack>
      <snk:Fruit>Apple</snk:Fruit>
    </snk:Snack>
  </SnackOrder>
  <SnackOrder Quantity="125">
    <snk:Snack>
      <snk:Candy>
        <snk:ChocolateBar>
          <snk:Name>Almond Joy</snk:Name>
        </snk:ChocolateBar>
      </snk:Candy>
    </snk:Snack>
  </SnackOrder>
  <SnackOrder Quantity="25">
```

```
<snk:Snack>
  <snk:PopCorn LowFat="false"/>
</snk:Snack>
</SnackOrder>
</RefreshmentOrder>
```

In this instance you can see that all elements have a prefix pointing to the namespace in which they were defined. The only exceptions are the elements that were defined in the current namespace, which do not need a prefix. Also note that none of the attributes has a prefix. They do not need to as they can only be in the same namespace as the element in which they are contained. Only element names have prefixes, and the prefix always corresponds to the namespace in which they were defined.

Observe the difference between a `BeverageOrder` and `SnackOrder`. The `BeverageOrder` has assigned a new name to the `Beverage` element, and therefore gets an additional tag level in the current namespace. Each element belongs to the namespace it was defined in. The `BeverageOrders` are especially interesting, as their content stems from 3 different namespaces, the current namespace, the `Beverage` namespace, and the `Container` namespace.

If the prefixes are made descriptive enough, and in addition are sufficiently different from each other, it is quite easy to tell the origin of an element.

Using a Default Namespace in an Instance

As you have probably noticed, using namespaces can seem quite cumbersome if most of the elements you are using have been imported from other schemas. If you for example are importing and using quite large elements, a good alternative can be using a **default namespace** declaration in the instance. A default namespace is used with an element, to declare which namespace that element, and all of its content, will default to. That means that the element with the default namespace declaration, and all of its content elements, will be assumed to be from the declared namespace. These elements now no longer need a prefix, unless they stem from a different namespace than the default namespace.

The default namespace is declared by using an attribute called `xmlns`, which is used in the element you want to associate the default namespace with. You will recognize this keyword from previous examples, but notice that in this case there is no colon, and no prefix attached to it. The value of the `xmlns` attribute is the namespace that should be default for the element you are using it with. Let's try this with a trimmed down version of the instance of `RefreshmentOrder` in example 71:

Example 72

```
<?soxtype
urn:x-commerceone:document:sample:xdk:sox:RefreshmentOrder.sox$1.0 ?>

<RefreshmentOrder Charge="credit"
  xmlns:cnt=
    "urn:x-commerceone:document:sample:xdk:sox:Container.sox$1.0">

  <BeverageOrder Quantity="250">
    <BeverageSpec>
      <Beverage Volume="12" Price="0.65" xmlns=
"urn:x-commerceone:document:sample:xdk:sox:Beverage.sox$1.0">
        <Name>Coca Cola</Name>
        <Can>
          <cnt:AluminumCan/>
        </Can>
      </Beverage>
    </BeverageSpec>
  </BeverageOrder>
  <SnackOrder Quantity="125">
    <Snack xmlns=
      "urn:x-commerceone:document:sample:xdk:sox:Snack.sox$1.0">

      <Candy>
        <ChocolateBar>
          <Name>Almond Joy</Name>
        </ChocolateBar>
      </Candy>
    </Snack>
```



```
</SnackOrder>  
</RefreshmentOrder>
```

Compare this version of the instance with that in example 71. We have eliminated two of the namespace declarations at the top, simply because those two prefixes are no longer used. Instead the `Beverage` and `Snack` instances each declare a default namespace for themselves and all of their content. Note the beverage container `AluminumCan` in the `Beverage` Instance. It still needs to have a prefix, because it does not belong to the default namespace declared for `Beverage`. If you would like to use an element from the current namespace, then it also would have to be used with a prefix, and that prefix would have to be associated with the namespace of the current schema.

Inheritance

One feature of SOX is inheritance. This allows you to define elementtypes that inherit structure from other elementtypes. This is done by having a previously defined elementtype, the parent elementtype, be extended by another elementtype, the child elementtype. This enables you to create new elementtypes by extending existing elementtypes in order to add additional structures or attributes.

Instances of the extended elements can also be used polymorphically, that is, as if they were instances of the original elements that were extended. This will be discussed further in section [Polymorphism on page 64](#).

Extending an Existing Element

Only elementtypes that have sequence content models may be extended. The reason for this is that the extending element is essentially appending new content to the end of the existing. A string content model does not provide any structure to add to, as its model means that only a text string will be contained in the element. A choice in turn does not have an ideal structure either, since its content model means that only one of the elements in the model will actually be used. Adding structure to such a model would violate the model itself. The element content model is considered to be a sequence content model with one element in the

sequence, and the empty content model is considered to be a sequence of 0 elements, so it is perfectly legal to extend both of these content models. They are both considered to be special cases of a sequence.

Example 73

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM
  "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:sample:xdk:sox:Rooms.sox$1.0">
  <elementtype name="Room">
    <model>
      <sequence>
        <element name="Width" type="int"/>
        <element name="Length" type="int"/>
        <element name="Height" type="int"/>
        <choice occurs="*">
          <element type="Carpet"/>
          <element type="Window"/>
          <element type="Door"/>
        </choice>
      </sequence>
    </model>
  </elementtype>
  <elementtype name="Carpet">
    <empty/>
    <attdef name="Length">
      <enumeration datatype="string">
        <option>short</option>
        <option>medium</option>
        <option>long</option>
      </enumeration>
    </attdef>
  </elementtype>
  <elementtype name="Opening">
    <empty/>
    <attdef name="Direction">
```

```
        <enumeration datatype="NMTOKEN">
            <option>south</option>
            <option>north</option>
            <option>west</option>
            <option>east</option>
        </enumeration>
    </attdef>
</elementtype>
<elementtype name="Window">
    <extends type="Opening">
        <append>
            <element name="WindowType" type="OpeningType"/>
        </append>
        <attdef name="MosquitoNet" datatype="boolean">
            <default>true</default>
        </attdef>
        <attdef name="Blinds" datatype="boolean">
            <default>true</default>
        </attdef>
    </extends>
</elementtype>
<datatype name="OpeningType">
    <enumeration datatype="string">
        <option>sliding</option>
        <option>opening</option>
    </enumeration>
</datatype>
<elementtype name="Door">
    <extends type="Opening">
        <attdef name="DoorType">
            <enumeration datatype="NMTOKEN">
                <option>single</option>
                <option>double</option>
            </enumeration>
            <default>single</default>
        </attdef>
```

```
    </extends>
  </elementtype>
  <elementtype name="BedRoom">
    <extends type="Room">
      <append>
        <element type="Closet" occurs="*" />
      </append>
    </extends>
  </elementtype>
  <elementtype name="Closet">
    <empty/>
    <attdef name="WalkIn" datatype="boolean">
      <implied/>
    </attdef>
  </elementtype>
  <elementtype name="LivingRoom">
    <extends type="Room" />
  </elementtype>
</schema>
```

In this schema two different elementtypes are being extended. The elementtype `Opening` is being extended by both `Window`, that adds elements and attribute definitions to the empty content model of `Opening`, and `Door`, that only adds an attribute. The element `Room` is being extended by the element `BedRoom`, which appends an element to the sequence content model. The `Closet` element will be appended at the end, after the choice in `Room`. `Room` is also being extended by the elementtype `LivingRoom`, which does not add any content structure to the `Room` elementtype, but is perfectly valid. This is a way to create an elementtype that is distinctly different from `Room`, even though it does not add anything to it.

An instance of `LivingRoom` could look like this:

Example 74

```
<?soxtype urn:x-commerceone:document:sample:xdk:sox:Rooms.sox$1.0?>

<LivingRoom>
  <Width>12</Width>
  <Length>15</Length>
  <Height>9</Height>
  <Carpet Length="medium" />
  <Window Direction="south" Blinds="false">
    <WindowType>sliding</WindowType>
  </Window>
  <Window Direction="east" Blinds="true" MosquitoNet="false">
    <WindowType>opening</WindowType>
  </Window>
  <DoorDirection="west" DoorType="double"></Door>
</LivingRoom>
```

Note that the elements that extended `Opening` now have `Opening`'s attribute, as well as some attributes of their own. The attributes from both elementtypes work just the same way, regardless of where they were defined.

Next let's look at an instance of `BedRoom` which adds to elementtypes to `Room`:

Example 75

```
<?soxtype urn:x-commerceone:document:sample:xdk:sox:Rooms.sox$1.0?>

<BedRoom>
  <Width>9</Width>
  <Length>12</Length>
  <Height>8</Height>
  <Carpet Length="long" />
  <Window Direction="east">
    <WindowType>sliding</WindowType>
  </Window>
```

```
<Door Direction="west" DoorType="single" />
<Closet WalkIn="true" />
<Closet/>
</Bedroom>
```

When creating extended elementtypes, keep in mind that an elementtype can only extend one other elementtype, but that elementtype may in turn be extending other elementtypes.

Extending an Element from a Different Namespace

It is also possible to extend elementtypes from other namespaces than the current. In this example we first define an element in one namespace:

Example 76

```
<?soxtype urn:x-commercone:document:sample:xdk:sox:Rooms.sox$1.0?>
```

```
<BedRoom>
  <Width>9</Width>
  <Length>12</Length>
  <Height>8</Height>
  <Carpet Length="long" />
  <Window Direction="east">
    <WindowType>sliding</WindowType>
  </Window>
  <Door Direction="west" DoorType="single" />
  <Closet WalkIn="true" />
  <Closet/>
</Bedroom>
```

Note the use of the SOX datatype **datetime**. See *Intrinsic Datatypes* on page 73 for further reference on this and other intrinsic datatypes.

Next we extend the first elementtype in two other namespaces. First we use it in a schema called `MovieTicket`:

Example 77

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM
```

```
"urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri=
"urn:x-commerceone:document:sample:xdk:sox:MovieTicket.sox$1.0">

<namespace prefix="tick"
namespace="urn:x-commerceone:document:sample:xdk:sox:Ticket.sox$1.0"/>

  <elementtype name="MovieTicket">
    <extends prefix="tick" type="Ticket">
      <append>
        <element name="Title" type="string"/>
        <element name="Screen" type="int"/>
      </append>
      <attdef name="Discount">
        <enumeration datatype="NMTOKEN">
          <option>Student</option>
          <option>Senior</option>
          <option>Matinee</option>
          <option>child</option>
        </enumeration>
      </attdef>
    </extends>
  </elementtype>

</schema>
```

And next we use the same Ticket schema in a different schema called ConcertTicket:

Example 78

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM
  "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri=
"urn:x-commerceone:document:sample:xdk:sox:ConcertTicket.sox$1.0">
```

```

<namespace prefix="ns1"
namespace="urn:x-commerceone:document:sample:xdk:sox:Ticket.sox$1.0"/>

  <elementtype name="ConcertTicket">
    <extends prefix="ns1" type="Ticket">
      <append>
        <element name="Band" type="string"/>
        <element name="OpeningAct" type="string" occurs="*" />
      </append>
      <attdef name="Seating">
        <enumeration datatype="NMTOKEN">
          <option>General</option>
          <option>Reserved</option>
          <option>Box</option>
        </enumeration>
        <required/>
      </attdef>
      <attdef name="SeatNumber" datatype="string">
        <implied/>
      </attdef>
    </extends>
  </elementtype>

</schema>

```

Let's see what the use of different namespaces do to the MovieTicket instance:

Example 79

```

<?soxtype
urn:x-commerceone:document:sample:xdk:sox:MovieTicket.sox$1.0?>

<MovieTicket Discount="Student" PrePaid="false"
xmlns:gen="urn:x-commerceone:document:sample:xdk:sox:Ticket.sox$1.0">
  <gen:Price>4.50</gen:Price>
  <gen:Time>19990726T19:30:00</gen:Time>

```



```
<gen:Location>AMC Mercado</gen:Location>
<Title>Matrix</Title>
<Screen>11</Screen>
</MovieTicket>
```

Just as with the previous namespace examples, elements have the prefix of the namespace where they are defined. The attributes are of special interest here, because one was defined in the parent, and one in the child, but neither has a prefix. Attributes never have a prefix, regardless of where they were defined.

As an added example, here follows an instance of ConcertTicket:

Example 80

```
<?soxtype
urn:x-commerceone:document:sample:xdk:sox:ConcertTicket.sox$1.0?>

<ConcertTicket Seating="Reserved" SeatNumber="A35" PrePaid="true"
xmlns:parent="urn:x-commerceone:document:sample:xdk:sox:Ticket.sox$1.0">
  <parent:Price>39.50</parent:Price>
  <parent:Time>19990802T21:00:00</parent:Time>
  <parent:Location>Shoreline Amphitheatre</parent:Location>
  <Band>B-52s</Band>
  <OpeningAct>The Nobodys</OpeningAct>
</ConcertTicket>
```

So as you can see, the generic structure of Ticket can now easily be reused for two very different ticket types. If inheritance is used the right way, it can save a lot of work and mark-up, and it can also help describe relationships between elementtypes.

Polymorphism

The SOX language supports polymorphism, which means that when an elementtype specifies a specific elementtype in its content model, a subtype of this elementtype may be used instead in the instance. This makes sense because the subtype will always contain all the content that the parent type must have, regardless of what additional content it might add.

Using Polymorphic Elements from the same Namespace

The simplest form of polymorphism is when a supertype and a subtype exist in the same namespace. In a content model, the supertype is specified, but in the actual instance, the sub type can be used instead:

Example 81

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM
  "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri=
"urn:x-commerceone:document:sample:xdk:sox:FruitSalad.sox$1.0">

  <elementtype name="FruitSalad">
    <model>
      <sequence>
        <element name="BaseFruit" type="Fruit"/>
        <element type="Fruit" occurs="+"/>
      </sequence>
    </model>
  </elementtype>
  <elementtype name="Fruit">
    <model>
      <element name="Name" type="string"/>
    </model>
    <attdef name="Presentation">
      <enumeration datatype="string">
        <option>sliced</option>
        <option>diced</option>
        <option>peeled</option>
        <option>whole</option>
      </enumeration>
    </attdef>
  </elementtype>
  <elementtype name="Apple">
    <extends type="Fruit">
```

```
        <append>
          <element name="Color" type="string" />
        </append>
      </extends>
    </elementtype>
    <elementtype name="Banana">
      <extends type="Fruit">
        <attdef name="Ripeness">
          <enumeration datatype="NMTOKEN">
            <option>green</option>
            <option>yellow</option>
            <option>speckled</option>
            <option>brown</option>
          </enumeration>
        </attdef>
      </extends>
    </elementtype>
  </schema>
```

Let's look at a polymorphic instance of the schema in Example 81:

Example 82

```
<?soxtype urn:x-commerceone:document:sample:xdk:sox:FruitSalad.sox$1.0?>
```

```
<FruitSalad>
  <BaseFruit>
    <Apple Presentation="diced">
      <Name>Granny Smith</Name>
      <Color>Green</Color>
    </Apple>
  </BaseFruit>
  <Banana Ripeness="yellow" Presentation="sliced">
    <Name>Plantain</Name>
  </Banana>
  <Fruit Presentation="diced">
    <Name>Mango</Name>
  </Fruit>
```

```

<Fruit Presentation="whole">
  <Name>Cherries</Name>
</Fruit>
<Apple Presentation="sliced">
  <Name>Fuji</Name>
  <Color>Yellow</Color>
</Apple>
</FruitSalad>

```

Note the case of the first element in the content model, BaseFruit. Even though the content is a polymorphic element, the new name assignment is still used. In the case of every polymorphic fruit above, the sub type is used as if it was a Fruit element, which it essentially is.

Using Polymorphic Elements from Different Namespaces

Now let's define a schema that uses the rooms from example 6.1, to create a description of a house. As one might suspect a house consists of a number of rooms. In addition to the rooms we have already defined in the Rooms schema, let's add another type of room, a BathRoom:

Example 83

```

<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM
  "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:sample:xdk:sox:House.sox$1.0">

  <namespace prefix="room" namespace=
    "urn:x-commerceone:document:sample:xdk:sox:Rooms.sox$1.0"/>

  <elementtype name="House">
    <model>
      <element prefix="room" type="Room" occurs="2,*"/>
    </model>
  </elementtype>

  <elementtype name="BathRoom">
    <extends prefix="room" type="Room">

```

```
        <append>
            <element name="Facility" type="WaterFacility" occurs="+"/>
        </append>
    </extends>
</elementtype>

<datatype name="WaterFacility">
    <enumeration datatype="string">
        <option>Toilet</option>
        <option>Shower</option>
        <option>Sink</option>
        <option>Bathtub</option>
    </enumeration>
</datatype>

</schema>
```

Now let's create an instance of a House that uses rooms from two namespaces polymorphically:

Example 84

```
<?soxtype urn:x-commerceone:document:sample:xdk:sox:House.sox$1.0?>
```

```
<House xmlns:room=
"urn:x-commerceone:document:sample:xdk:sox:Rooms.sox$1.0">
    <room:BedRoom>
        <room:Width>20</room:Width>
        <room:Length>12</room:Length>
        <room:Height>12</room:Height>
        <room:Carpet Length="medium"/>
        <room:Window Direction="west">
            <room:WindowType>sliding</room:WindowType>
        </room:Window>
        <room:Window Direction="north">
            <room:WindowType>sliding</room:WindowType>
        </room:Window>
```

```
<room:Door Direction="south" DoorType="single" />
<room:Door Direction="east" DoorType="single" />
<room:Closet />
<room:Closet />
</room:BedRoom>
<room:LivingRoom>
  <room:Width>20</room:Width>
  <room:Length>18</room:Length>
  <room:Height>12</room:Height>
  <room:Window Direction="south" MosquitoNet="false">
    <room:WindowType>opening</room:WindowType>
  </room:Window>
  <room:Window Direction="south" MosquitoNet="false">
    <room:WindowType>opening</room:WindowType>
  </room:Window>
  <room:Window Direction="east" MosquitoNet="false">
    <room:WindowType>opening</room:WindowType>
  </room:Window>
  <room:Door Direction="west" DoorType="double"></room:Door>
  <room:Door Direction="north" DoorType="double"></room:Door>
</room:LivingRoom>
<BathRoom>
  <room:Width>20</room:Width>
  <room:Length>18</room:Length>
  <room:Height>12</room:Height>
  <room:Door Direction="west" DoorType="single" />
  <Facility>Toilet</Facility>
  <Facility>Sink</Facility>
  <Facility>Bathtub</Facility>
</BathRoom>
</House>
```

As you can see in Example 84, the Room objects from the two different namespaces, can mingle freely. The only thing that matters is that all present elements are valid, in that they directly or indirectly extend the specified element.

Using Polymorphic Elements that are Not Accessible from the Current Namespace

A more complicated, but by no means unusual, scenario for polymorphism, is when the polymorphic elementtypes that are used in the instance, are not defined in, nor imported to, the schema that is defined in the soctype element. One reason why this would happen is when you use an existing schema, but want to extend an elementtype that is contained in the content model of that schema. Your extended element is not defined in the root schema, nor is it imported into it, but you still want to use the extended element polymorphically. In order to be able to do so, you have to import the schema with the extended definition into the instance, so that the software can access your new definition. This is done with the import element, which must come before the root of your schema:

Example 85

```
<?import urn:x-commerceone:document:sample:xdk:sox:Sample.sox$1.0?>
```

To demonstrate the use of the import element, let's use the Ticket schemas from the previous section to create a Ticket Purchase Order:

Example 86

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM
  "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri=
  "urn:x-commerceone:document:sample:xdk:sox:TicketPurchase.sox$1.0">

<namespace prefix="tick" namespace=
  "urn:x-commerceone:document:sample:xdk:sox:Ticket.sox$1.0"/>

  <elementtype name="TicketPurchase">
    <model>
      <element type="Ticket" prefix="tick" occurs="+"/>
    </model>
  </elementtype>

</schema>
```

Now we have defined a schema that can take a number of Ticket instances, but since Ticket is hardly very useful in itself in a purchase order, we will want to use extended versions of Ticket that actually provide more detailed information as to what kind of Ticket is ordered.

Let's create a TicketPurchase instance that uses MovieTickets and ConcertTickets polymorphically. Since the TicketPurchase schema only knows about the Ticket schema, we will have to import the other two schemas in order to be able to access the definitions of the extended tickets:

Example 87

```
<?soxtype
urn:x-commerceone:document:sample:xdk:sox:TicketPurchase.sox$1.0?>

<?import urn:x-commerceone:document:sample:xdk:sox:MovieTicket.sox$1.0?>
```



```
<?import
urn:x-commerceone:document:sample:xdk:sox:ConcertTicket.sox$1.0?>

<TicketPurchase xmlns:mov=
"urn:x-commerceone:document:sample:xdk:sox:MovieTicket.sox$1.0"
  xmlns:con=
"urn:x-commerceone:document:sample:xdk:sox:ConcertTicket.sox$1.0"
  xmlns:tic="urn:x-commerceone:document:sample:xdk:sox:Ticket.sox$1.0">

  <con:ConcertTicket PrePaid="false" Seating="General">
    <tic:Price>22.50</tic:Price>
    <tic:Time>19991231T18:00:00</tic:Time>
    <tic:Location>Times Square</tic:Location>
    <con:Band>Rolling Stones</con:Band>
    <con:OpeningAct>Willy Nelson</con:OpeningAct>
  </con:ConcertTicket>
  <mov:MovieTicket PrePaid="false">
    <tic:Price>6.50</tic:Price>
    <tic:Time>19990811T14:15:00</tic:Time>
    <tic:Location>Century 23</tic:Location>
    <mov:Title>Mystery Men</mov:Title>
    <mov:Screen>2</mov:Screen>
  </mov:MovieTicket>
</TicketPurchase>
```

Note from the example that you still have to assign a prefix for each namespace with an xmlns attribute, even though you have explicitly imported the namespace. This is because you still have to declare what namespace an element was declared in.

Intrinsic Datatypes

The following table lists the intrinsic datatypes defined in SOX. Some have been defined in XML, and some have been added in SOX. These datatypes can be used for attributes or elements, or be used in user defined datatypes.

boolean	A binary datatype. The valid values are either "true" or "false"
byte	An integer in the range -128 to 127.
date	A date in the format of: YYYYMMDD. The date consists of a four-digit year, then a two-digit month, and last a two-digit day. If the month or day only has one digit, then that digit should be preceded by a zero, "0", to make the value take up two digits. For example, the first of April 1999, would be expressed as: 19990401.
datetime	A date and time combined. The format is: YYYYMMDD- DTHH:MM:SS. First comes a date datatype value, next the character "T", which separates the date from the time, and then follows a time datatype value. For example, 12:43:27 noon on the last of December 1999 would be expressed as: 19991231T12:43:27 As with the time datatype, an offset from GMT can be specified, in which case the format is: YYYYMMDDTHH:MM:SS(+/-)HH:MM. The previous example, 7 hours behind GMT, would be: 19991231T12:43:27-07:00
double	A double precision floating point number in the range -1.17549435*10E308 to 1.17549435*10E308.
float	A single precision floating point number in the range - 3.40282347*10E38 to 3.40282347*10E38.
ID	A object identifier. Each object in an instance must have its own unique identifier. ID's are referred to by an IDREF or IDREFS object. See the XML 1.0 specification for more information.
IDREF	AN IDREF is used to refer to an ID object. An instance of an IDREF object have to contain a value that is identical to an ID value that exists in the same instance as the IDREF object.

IDREFS	One or several IDREF values separated by white space.
int	An integer in the range -2,147,483,648 to 2,147,483,647.
long	An integer in the range -9,223,372,036,854,775,808 to 9,223,372,036,854,775,807.
NMTOKEN	An NMTOKEN is a text string that has a limited set of allowed characters. Digits and letters are allowed, as well as period, ".", dash, "-", colon, ":", underscore, "_", as well as some other special characters. See the XML 1.0 specification for more information.
NMTOKENS	One or several NMTOKEN values separated by white space.
number	An infinite precision number which may be preceded by a "-" or "+", and which may contain one decimal point.
string	A text string with any number of characters.
time	<p>A time, specified with hours, minutes and seconds in the format HH:MM:SS. HH is the hours, expressed in two digits, MM is the minutes expressed in two digits, and SS is the seconds, expressed in two digits.</p> <p>The hours are specified in the range of 0-23, which means that the time is expressed in "military hours", that is without am or pm. 9:07 am would be expressed as 09:07:00, whereas 9:07 pm would be 21:07:00.</p> <p>The time datatype also has the option of specifying an offset from GMT, in which case the format is HH:MM:SS(+/-)HH:MM. For example, if the time 5:03 pm is specified, being 4 hours ahead of GMT, then the value would be:</p> <p>17:03:00+04:00</p>
URI	<p>A Universal Resource Identifier which is essentially an address to some resource. Can for example be mapped to a file in the local file system, a URL on the internet.</p> <p>For more information on URI's, see the URI working draft: http://www.w3.org/Addressing/URL/URI_Overview.html</p>

Glossary

? occurrence	An element, nested sequence or nested choice specifying an occurs value of "?" is optional and may appear once, or not at all.
* occurrence	An element, nested sequence or nested choice specifying an occurs value of "*" is optional and may appear multiple times.
+ occurrence	An element, nested sequence or nested choice specifying an occurs value of "+" must appear, but may appear more than once.
camel case	The recommended naming style for SOX elements and datatypes. This style, which is also used by java and C++, has names consisting of one or more words. Each new word begins with a capital letter. An example would be: ThisIsACamelCasedName.
choice content model	A content model of an elementtype that specifies a number of elements, one of which may appear in an instance of the elementtype.
current namespace	The namespace of the current schema.
cxp	Commerce One's SOX schema and XML parser
datatype definition	An element in a schema that defines a user-defined datatype. The datatype can be used in attribute definitions or element definitions.
decimals	An attribute used in scalar to specify the maximum number of allowed decimals
default	A presence specified for an attribute that has a default value. If the attribute is not present in the instance, the default value will be used instead.
default namespace	A namespace declared for an element in an instance, which defines the namespace for that element and all of its contents. This enables a user to avoid prefixes in cases where large elements are not in the current namespace.
digits	An attribute used in scalar to specify the maximum number of allowed digits (not including decimals)

DOCTYPE declaration	A tag identifies the document type of the current document. Must be present in all SOX schemas containing the keyword schema and the URI to the current schema.dtd
DTD	Document Type Definition. Defines a set of structures for XML documents.
elementtype	An element in a schema that defines an element structure to be used in an instance document.
element content model	A content model of an elementtype that specifies that only one type of element may be present in the instance of the elementtype.
element element	An element used in a content model to specify a content element. The type attribute on element specifies what type the element should be of in the instance, and can be of a datatype or element type.
empty content model	A content model of an elementtype that specifies that no content may be present in the instance of the elementtype.
enumeration	An element that specifies a user defined datatype that consist of an enumeration of valid values.
fixed	A presence specified for an attribute that has a fixed value. No other value may be specified in the instance.
implied	A presence specified for an attribute that is optional in the instance.
inheritance	A feature of SOX allowing an elementtype to derive structure from a previously defined elementtype.
instance document	An XML instance of a SOX schema. The instance is written in XML format and must conform to a schema or a set of schemas. It may only have one root element.
maxlength	An attribute used in varchar to specify the maximum length of a string in the instance.
maxexclusive	An attribute used in scalar to specify if the maximum value specified is or is not allowed in the instance.
maxvalue	An attribute used in scalar to specify the maximum value allowed in the instance.
minvalue	An attribute used in scalar to specify the minimum value allowed in the instance.

minexclusive	An attribute used in scalar to specify if the minimum value specified is or is not allowed in the instance.
namespace	A unique identifier of a schema. Since all schemas reside in their own namespace that is separate from all other namespaces, they can refer to other namespaces without any name collisions.
nested choice	A choice element that is nested inside another sequence or choice element.
nested sequence	A sequence element that is nested inside another sequence or choice element.
N,M occurrence	An element, nested sequence or nested choice specifying an occurs value of N,M specifies the valid range of occurrences of that object.
option	An element used in an enumeration element to specify a valid value for the enumeration.
parser	A processor that parses documents.
polymorphism	Subtypes of elements can appear in an instance whenever the presence of their supertype is specified.
prefix	A name associated with a namespace, used with an object in a schema or an instance to specify that that object is from the associated namespace. In the schema the prefix is used as the value for the prefix attribute, in the instance the prefix is pre-pended to the name of an element, separated from the element with a colon, ":".
required	A presence specified for an attribute that must appear in the instance.
root element	The outermost set of tags in an XML document that contains all other tags. There may only be one root element in each document, except for any version and document type elements.
scalar	An element that specifies a user defined datatype that defines a number type datatype with various constraints.
schema.dtd	A DTD that all SOX schemas must conform to.
schema element	The root element inside a SOX schema that defines that schema's namespace, as well as wraps all definitions in that schema.

sequence content model	A content model of an elementtype that constrains the content of the elementtype's instance to the specified sequence. The elements must appear in the correct sequence, with all required elements present.
SOX	A schema language expressed in XML format that provides a more powerful way of defining an XML structure than a DTD. Some of the features that make it more advantageous are: a large number of datatypes that can be used both in attributes and element content, inheritance and polymorphism.
SOX 2.0 specification	A language specification of the current version of the SOX language. Can be found at: http://www.w3.org/TR/NOTE-SOX/
SOX schema	Defines structure rules in the form of elementtype definitions and datatype definitions. The schema is written in XML format and conforms to a DTD called "schema.dtd".
soxtype declaration	A tag that must be present in all XML instances of SOX schemas. It consists of a processing instruction that identifies the document as being an instance of a SOX schema.
string content model	A content model of an elementtype that specifies that only text content may be present in the instance of the elementtype.
occurs	A way to specify how many times an element, nested sequence or nested choice may appear in a content model.
URI	Uniform Resource Identifier. Consists of an address to a resource. How that address is resolved depends on the specific scheme. See the current URI working draft for more information: http://www.w3.org/Addressing/URL/URI_Overview.html
valid	Meaning that the document is conforms to the constraints specified in the document it claims to conform to. That document could for example be a DTD or a SOX schema. See the XML 1.0 specification or the SOX 2.0 specification for more details on validity.
varchar	An element that specifies a user defined datatype that specifies a string datatype with a maximum length.
well-formed	Meaning that an XML document conforms to the well-formedness constraints set forth in the XML 1.0 specification.

XML	Extensible M ark-up L anguage. A mark-up language ideal for storing data in a human readable form. Provides means to define tags and structures which enables a highly customizable way of storing data.
XML 1.0 specification	A language specification of the current version of the XML language. Can be found at: http://www.w3.org/TR/REC-xml/
XML version tag	A tag that identifies the current version of XML. Sample format is: <code><?xml version="1.0"?></code> This tag must be present in all documents that consist of XML content that should be parseable by an XML processor. It must be present in SOX schemas.


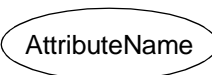
CBL Elements and Datatypes

In This Chapter

This chapter provides reference information for each element and datatype defined in the Common Business Library (CBL). Elements and datatypes are listed in alphabetical order.

This chapter includes the following information for each element:

- A brief description of the information it contains
- A more detailed description of the information provided by each of its attributes and elements
- A link to module in which the element was defined
- A diagram representing its structure. These diagrams are read from top to bottom and from left to right. They use the following conventions:

	A rectangle represents an element. Rectangles with solid lines represent required elements; those with dotted lines are optional.
	An ellipse represents an attribute. Ellipses with solid lines represent required attributes; those with dotted lines are optional.

- A fully-expanded representation of its contents
- One or more examples

This chapter includes the following information for each datatype:

- A brief description
- A list of the values that have been defined
- A link to the module in which the datatype was defined

Documents Used to Send, Reply to, and Check the Status of a Purchase Order

The following documents are used to send, reply to, and check the status of purchase orders:

PurchaseOrder on page 799, which is used to send a purchase order, is built from the following major CBL elements

- OrderHeader on page 420
- ListOfOrderDetail on page 298
- OrderSummary on page 577

PurchaseOrderResponse on page 833, which is used to reply to a purchase order, is built from the following major CBL elements:

- OrderResponseDetail on page 460
- OrderResponseHeader on page 471
- OrderResponseSummary on page 492

OrderStatusRequest on page 533, which is used to check the status of a purchase order, is built from the following major CBL elements:

- OrderStatusHeader on page 506
- ListOfOrderStatusDetailRequest on page 316

OrderStatusResult on page 555, which is used to respond to a purchase order status check, is built from the following major CBL elements:

- OrderStatusHeader on page 506
- ListOfOrderStatusDetailResult on page 318
- OrderStatusCheckSummary on page 494

Documents Related to Invoices

Invoice on page 216, which is used to send an invoice, is built from the following major CBL elements:

- InvoiceHeader on page 236
- InvoiceParties on page 239
- ListOfInvoiceDetail on page 288
- InvoiceSummary on page 246

Documents Used to Check the Availability of Goods

AvailabilityCheckRequest on page 122, which is used to check the availability of goods, is built from the following major CBL elements:

- AvailabilityCheckHeader on page 118
- ListOfBaseItemDetail on page 270

AvailabilityCheckResult on page 129, which is used to respond to an availability check, is built from the following CBL elements:

- AvailabilityCheckHeader on page 118
- ListOfAvailabilityResultItem on page 263
- AvailabilityCheckSummary on page 139

Documents Used to Check the Price of Goods

PriceCheckRequest on page 683, which is used to check the price of goods, is built from the following major CBL elements:

- ListOfBaseItemDetail on page 270

PriceCheckResult on page 690

Documents Used to Maintain Price and Product Catalogs

The following documents are used to maintain price and product catalogs:

PriceCatalog on page 630, which is used to send either a new price catalog or an update to an existing catalog, is built from the following CBL elements:

- PriceCatHdr on page 670
- ListOfPriceCatAction on page 352

PricingData on page 707 defines pricing rules.

ProductCatalog on page 770, which is used to send either a new product catalog or an update to an existing catalog, is built from the following CBL elements:

- ProdCatHdr on page 758
- ListOfProdCatAction on page 375

Lower-Level CBL Elements

CBL also defines the following lower-level elements which are used in the construction of many business documents:

- Agency on page 104
- AllowOrCharge on page 106
- AllowOrChgDesc on page 111
- Attachment on page 116
- AvailabilityResultItem on page 140
- BaseItemDetail on page 146
- CardInfo on page 152
- CatalogDelete on page 156
- Category on page 158
- CatHdrRef on page 160
- CodedValue on page 162
- Contact on page 164
- ContactCoded on page 166
- Contract on page 169
- DescInfo on page 194
- Description on page 198
- Dimension on page 199
- ErrorInfo on page 206
- EventCore on page 208
- Hazardous on page 210
- Identifier on page 214
- Invoice on page 216
- InvoiceDetail on page 230

- KeyVal on page 248
- LangString on page 256
- LinelItem on page 257
- ListOfAllowOrCharge on page 259
- ListOfAttachment on page 262
- ListOfCategory on page 276
- ListOfContactCoded on page 278
- ListOfDescInfo on page 280
- ListOfDescription on page 282
- ListOfDimension on page 283
- ListOfHazardous on page 285
- ListOfIdentifier on page 287
- ListOfKeyVal on page 295
- ListOfLangString on page 296
- ListOfNote on page 297
- ListOfOrderResponseDetail on page 306
- ListOfOrderStatusItem on page 326
- ListOfOrderStatusItemResult on page 331
- ListOfPackage on page 337
- ListOfPackageType on page 339
- ListOfPartNum on page 341
- ListOfPartTreeNode on page 343
- ListOfPartyCoded on page 346
- ListOfPrice on page 350
- ListOfPriceResultItem on page 365
- ListOfProdAttribute on page 372

- ListOfProdCatDoc on page 394
- ListOfProdCatGroup on page 395
- ListOfQuantity on page 396
- ListOfReferenceCoded on page 397
- ListOfRelatedPartNum on page 398
- ListOfSpecialCond on page 400
- ListOfStatusReason on page 402
- Measurement on page 403
- Money on page 404
- MoneyRange on page 405
- NameAddress on page 407
- Note on page 410
- OrderDetail on page 411
- OrderParty on page 443
- OrderReference on page 458
- OrderStatusDetail on page 496
- OrderStatusDetailResult on page 498
- OrderStatusItem on page 521
- OrderStatusItemResult on page 527
- Package on page 578
- PackageType on page 584
- PartNum on page 588
- PartNumContract on page 590
- PartTreeNode on page 592
- Party on page 596
- PartyCoded on page 601

- Payment on page 606
- Price on page 615
- PriceCatAction on page 617
- PriceCatDetail on page 655
- PriceDetail on page 698
- PriceResultItem on page 699
- PricingData on page 707
- ProdAttribute on page 710
- ProdCatAction on page 713
- ProdCatDetail on page 730
- ProdCatDoc on page 753
- ProdCatGroup on page 755
- Quantity on page 869
- QuantityRange on page 872
- Range on page 874
- Reference on page 875
- ReferenceCoded on page 877
- SpecialCond on page 889
- Status on page 892
- StatusEvent on page 894
- StatusReason on page 897
- Tax on page 900
- TermOfDelivery on page 905
- Transport on page 912
- UnitOfMeasure on page 919
- UnitPrice on page 920

- VarianceQuantity on page 972

CBL Datatypes

CBL defines the following enumerated datatypes:

- ActionRequestNotification on page 103
- AgencyCode on page 105
- AllowOrChgBasis on page 110
- AlloworChgServCode on page 113
- AlphaNum<N> datatypes on page 114
- AssociationCode on page 115
- CardTypeCode on page 154
- CarrierCode on page 155
- ContactFunctionCode on page 168
- ControllingAgency on page 170
- CountryCode on page 171
- CurrencyCode on page 183
- Decimal Datatypes on page 193
- DesclInfoAttribCode on page 196
- DesclInfoValueCode on page 197
- DimensionCode on page 200
- DocumentCode on page 203
- EqualityCode on page 205
- HazardPackingCode on page 213
- ItemNumType on page 248
- LangCode
- MsgRefNum on page 406
- PackageCodeAgency on page 581

- PackageInfoCode on page 582
- PackageMarkCode on page 583
- ParentChild on page 587
- PartyRoleCode on page 605
- PaymentMeanCode on page 610
- PaymentTermCode on page 611
- PaymentTimeReference on page 613
- PosInt_6 on page 614
- PriceCatDetailActionCode on page 669
- PriceTypeCode on page 706
- PricingTypeOptions on page 709
- ProdCatDetailActionCode on page 752
- ProdCatGroupType on page 757
- QuantityQual on page 871
- ReferenceCode on page 876
- RefQual on page 879
- RelatedPartNum on page 880
- RelatedParts on page 882
- SalesRequirementCode on page 886
- SeverityCode on page 887
- ShippingPaymentMethodCode on page 888
- SpecialCondCode on page 891
- StatusEventCode on page 896
- StatusReasonCode on page 899
- TaxCategory on page 902
- TaxFuncQual on page 903

- TaxType on page 904
- TierTypeOptions on page 908
- TODCode on page 909
- TODFunction on page 910
- TransitDirection on page 911
- TransportMean on page 915
- TransportModeCode on page 916
- TreeNameCode on page 918
- UOMCode on page 921

ActionRequestNotification

The ActionRequestNotification datatype enumerates the values used to specify the action to take on an order. These values correspond to EDIFACT Data Element 1153, Reference Qualifier.

Values

The following ActionRequestNotification values are defined:

- Added
- Changed
- NoAction
- AcceptedAsIs
- NotAccepted

[Source Code](#) CommonDataElement.mod on page 1011

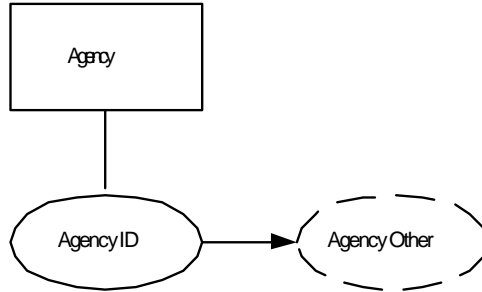
Agency

The Agency element specifies the name of the standardization agency responsible for issuing an identifier such as a part number or a hazardous goods code. The Agency element consists of:

- An AgencyID attribute, which specifies one of the following standardization agencies: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA. If the agency name is not included in this list, set this attribute to Other.
- An AgencyOther attribute, which specifies the agency name if the AgencyID attribute has a value of "Other."

[Source Code](#) Agency.mod on page 974

Structure



Contents

Agency

.....@AgencyID.....	<i>AgencyCode</i> The agency that assigned the part number. Specify one of the following agencies: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA. If agency that assigned the part number is not included in this list, specify an AgencyID of Other and use the AgencyOther attribute to specify the agency's actual name.
.....@AgencyOther.....	<i>string</i> The agency, specified when AgencyID has a value of "Other."

Examples

```
<Agency AgencyID="AssignedBySupplier"/>
```

AgencyCode

The AgencyCode datatype enumerates the values that may be used to specify agency names.

[Source Code](#) AgencyCode.mod on page 976

Values

The following AgencyCode values have been defined:

AgencyCode Value	Description	EDIFACT Code
Other	The agency is not included in this list.	
CommerceOne	Commerce One	
ISO	ISO (International Organization for Standardization)	5
EAN	EAN Intl Article Num Assoc	9
AssignedBySupplier	Supplier or supplier's agent	91
AssignedByBuyer	Buyer or buyer's agent	92
ANSI	US, ANSI ASC X12	116
GBABA	GB, Article Num Assoc (UK) Limited	136

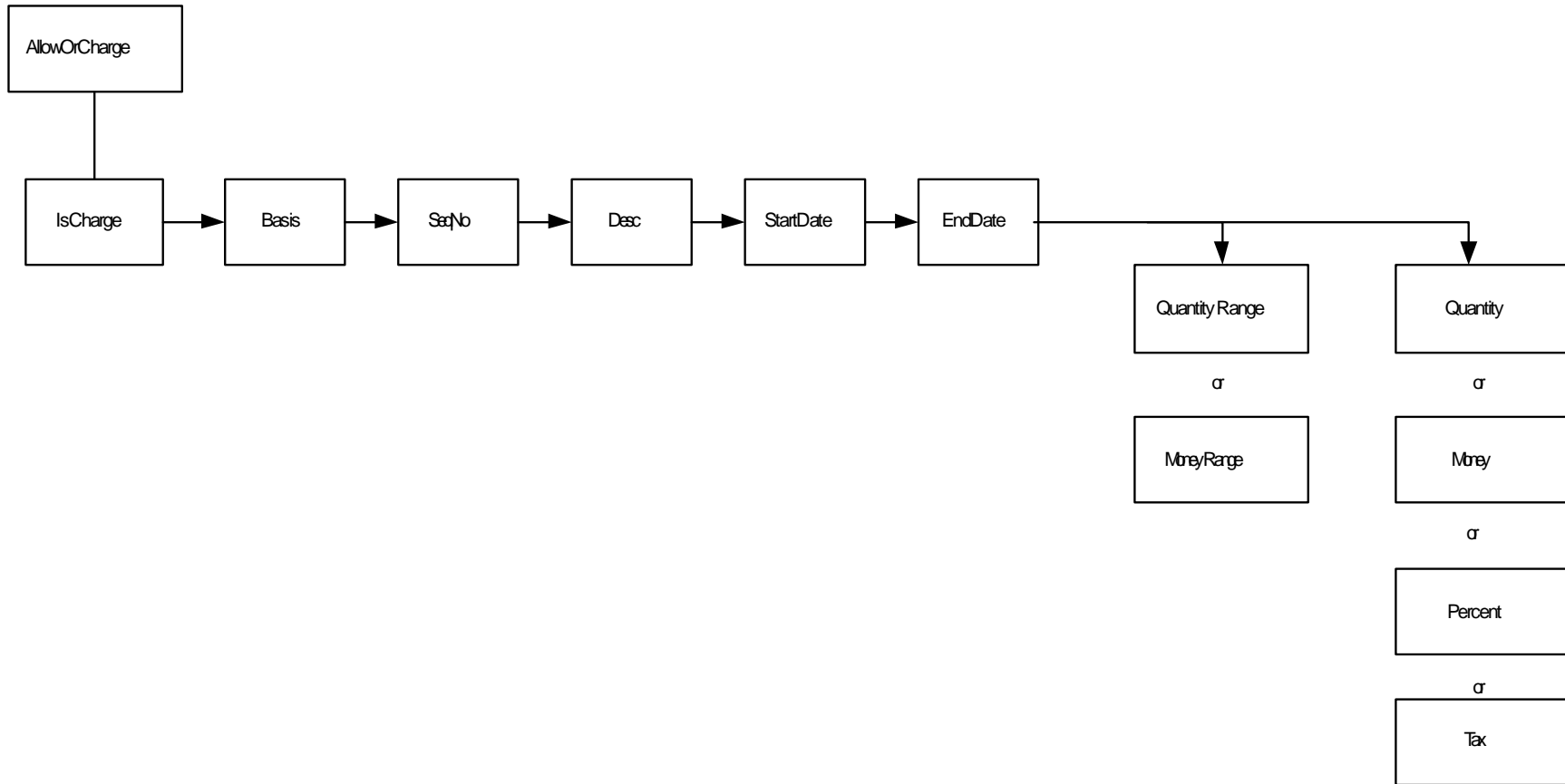
AllowOrCharge

The AllowOrCharge element defines an allowance or charge that applies either to an entire order or to an individual line item. It consists of:

- An IsCharge element, which indicates whether an allowance or charge is being defined.
- A Basis element, which indicates whether the item defines a Tax, a Quantity supplied free of charge, a Percent off list price, a specific Money discount, or None of the above.
- A SeqNo element, which indicates the order in which this item is applied relative to other allowances and charges.
- A Desc element, which provides descriptions of the allowance or charge in one or more languages.
- An optional StartDate element and an optional EndDate element, which define the time period during which the allowance or charge is in effect.
- One of the following:
 - A QuantityRange element to establish the quantity range to which an allowance applies.
 - A MoneyRange element to establish the monetary range to which an allowance applies.
 - Neither of the above for an allowance that applies to all quantities or monetary amounts.
- One of the following:
 - A Quantity, Money, or Percent element to establish the amount of an allowance.
 - Tax element to specify the percentage, taxing entity, amount, and other characteristics of a tax.

[Source Code](#) AllowOrCharge.mod on page 978

Structure



Contents

AllowOrCharge

.....IsCharge.....	<i>Boolean</i> True if the item is a tax, false if it is a discount.
.....Basis.....	<i>AllowOrChgBasis</i> The basis (None, Quantity, Percent, Money, or Tax) for the allowance or charge.
.....SeqNo.....	<i>int</i> The order in which this allowance or charge is applied, relative to other allowances and charges.
.....Desc	
..... AllowOrChgDesc	
..... RefID (optional).....	<i>string</i> The supplier's code number for the charge or allowance.

..... ListOfDescription (optional)..... One or more descriptions of the allowance or charge. Each description must be in a different language.

Repeating elementDescription

..... Description..... *string* A description of the allowance or charge.
..... @Lang..... *LangCode* The language in which the description is written.

End of repeating element Description

..... ServiceCode..... *AllowOrChgServCode* The service (None, PickUp, COD, or Handling) with which the allowance or charge is associated.
..... StartDate (optional)..... *date* The first date that the allowance or charge applies.
..... EndDate (optional)..... *date* The last date that the allowance or charge applies.

You may choose one of the following: QuantityRange or MoneyRange

..... QuantityRange (optional)..... The quantity range to which the allowance or charge applies.
..... Range
..... Min..... *Decimal18_3* The minimum quantity to which the allowance or charge applies.
..... Max..... *Decimal18_3* The maximum quantity to which the allowance or charge applies.
..... @UnitOfMeasure..... The unit of measurement in which the minimum and maximum quantities are expressed.

Or

..... MoneyRange (optional)..... The monetary amount that must be ordered for the allowance or charge to apply.
..... @Min..... *Decimal18_3* The minimum monetary amount to which the allowance or charge applies.
..... @Max..... *Decimal18_3* The maximum monetary amount to which the allowance or charge applies.
..... @Currency..... *CurrencyCode* The currency in which the minimum and maximum amounts are expressed.

End of choice between QuantityRange and MoneyRange

You must choose one of the following: Quantity, Money, Percent, or Tax

..... Quantity
..... Qty..... *Decimal15_3* The quantity of the product supplied free of charge.
..... UnitOfMeasure..... The unit of measurement in which the quantity is expressed.
..... UOMCode..... *UOMCode* The unit of measurement.
..... UOMCodeOther..... *string* The unit of measurement, specified if UOMCode has a value of "Other."

Or

..... Money The discount, expressed as a monetary amount.
..... @Currency..... *CurrencyCode* The currency in which the discount is expressed.

Or

..... Percent *Decimal10_4* The discount expressed as a percentage of cost.

Or

..... Tax
..... TaxPercent..... *Decimal10_4* The rate of taxation.
..... Location..... *string* The location of the taxing entity.
..... TaxId (optional)..... *string* The tax identification number.

..... TaxAmount.....*Decimal18_3* The monetary amount of the tax.
 TaxableAmount.....*Decimal18_3* The monetary amount subject to taxation.
 @FuncQual.....*TaxFuncQual* The function (CustomsDuty or Tax) of the charge. The default value is Tax.
 @Category.....*TaxCategory* The tax category (Other, Mixed, Exempt, Standard, FreeExportItem, or Zero). The default value is Standard.
 @Type.....*TaxType* The tax type (GST or VAT). The default value is GST.

End of choice among Quantity, Money, Percent, and Tax

Examples

```
<AllowOrCharge>
  <IsCharge>true</IsCharge>
  <Basis>Quantity</Basis>
  <SeqNo>4</SeqNo>
  <Desc>
    <AllowOrChgDesc>
      <RefID>YY667</RefID>
      <ListOfDescription><Description>common, brown, thing</Description></ListOfDescription>
      <ServiceCode>PickUp</ServiceCode>
    </AllowOrChgDesc>
  </Desc>
  <QuantityRange Min="1" Max="9" UnitOfMeasure="1A"></QuantityRange>
  <Quantity>
    <Qty>4</Qty>
    <UnitOfMeasure>
      <UOMCode>1A</UOMCode>
    </UnitOfMeasure>
  </Quantity>
</AllowOrCharge>
```

AllowOrChgBasis

The AllowOrChgBasis datatype enumerates the values that may be used to describe the basis for an allowance or a charge.

[Source Code](#) AllowOrCharge.mod on page 978

Values

The following AllowOrChgBasis values have been defined:

- None
- Quantity
- Percent
- Money
- Tax

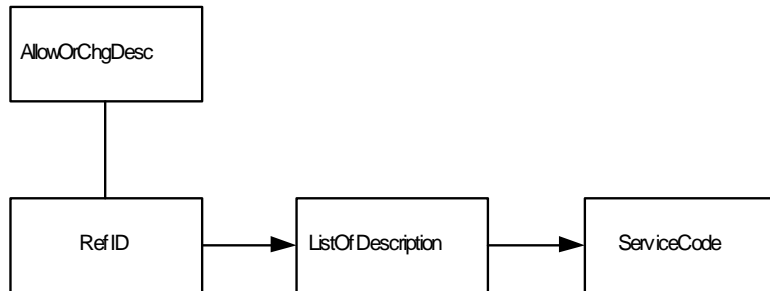
AllowOrChgDesc

The AllowOrChgDesc element contains the code number and description of a discount or tax. It consists of:

- An optional RefID element, which specifies the supplier's code number for the allowance or charge.
- An optional ListOfDescription element, which contains one or more descriptions of the allowance or charge. Each description must be in a different language.
- An optional ServiceCode element, which specifies the service with which the allowance or charge is associated. These services (None, PickUp, COD, and Handling) correspond to EANCOM code list 7161.

[Source Code](#) AllowOrChgDesc.mod on page 982

Structure



Contents

AllowOrChgDesc

.....RefID (optional).....*string* The supplier's code number for the charge or allowance.
.....ListOfDescription (optional)..... One or more descriptions of the allowance or charge. Each description must be in a different language.

Repeating element Description

.....Description.....*string* A description of the allowance or charge.
..... @Lang.....*LangCode* The language in which the description is written.

End of repeating element Description

ServiceCode.....*AllowOrChgServCode* The service (None, Pickup, COD, or Handling) with which the allowance or charge is associated.

Examples

```
<AllowOrChgDesc>  
  <RefID>YY667</RefID>  
  <ListOfDescription><Description>common, brown, thing</Description></ListOfDescription>  
  <ServiceCode>PickUp</ServiceCode>  
</AllowOrChgDesc>
```

AlloworChgServCode

The AllowOrChgServCode datatype enumerates the values that may be used to describe services for which charges are made. This list is based on EANCOM code list 7161.

[Source Code](#) 'AllowOrCharge.mod on page 978

Values

The following AllowOrChgServCode values have been defined:

- None
- Pickup
- COD
- Handling

AlphaNum<N> datatypes

The AlphaNum<N> datatypes hold alphanumeric data with a maximum length of N characters. The following alphanumeric datatypes have been defined:

- AlphaNum3
- AlphaNum6
- AlphaNum9
- AlphaNum14
- AlphaNum17
- AlphaNum20
- AlphaNum35
- AlphaNum70
- AlphaNum256
- AlphaNum512

[Source Code](#) BasicTypes.mod on page 995

AssociationCode

The AssociationCode datatype enumerates the values used to represent EDIFACT Data Element 0057, Association Assigned Code.

Values

The following AssociationCode values have been defined:

Value	Description
Other	
SIMP01	Simple EDI
EAN008	EAN Version Control Number

[Source Code](#) CommonDataElement.mod on page 1011

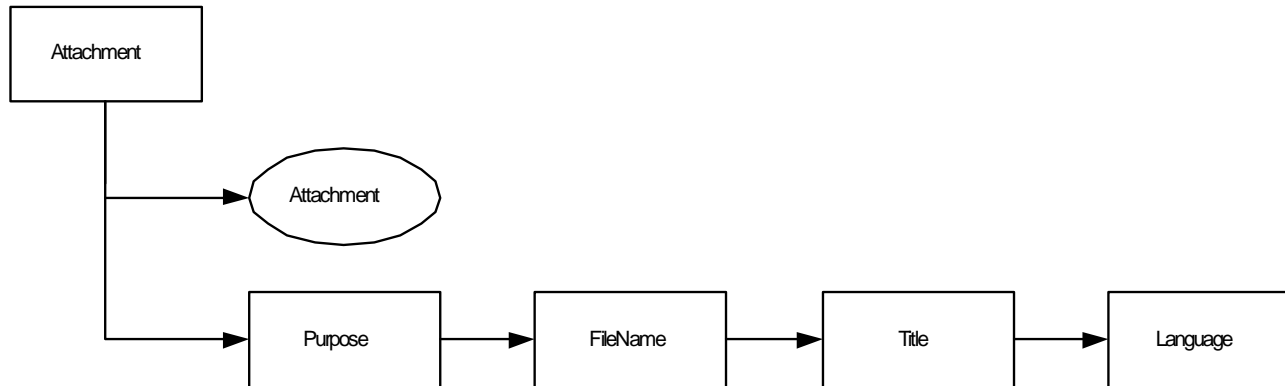
Attachment

The Attachment element contains the description, file name, title, and location of a file associated with a business document. It may be used for blue prints, design documents, and so forth, associated with purchase orders. It consists of:

- An Attachment attribute, which specifies the Universal Resource Indicator (URI) for the attachment.
- A Purpose element, which contains a brief description of the attachment.
- An optional FileName element, which contains a suggested file name for the attachment.
- An optional Title element, which contains a title for the attachment.
- An optional Language element, which specifies the ISO 639-1988 code for the language used in the attachment. For more information about valid language codes, see the LangCode datatype.

[Source Code](#) Attachment.mod on page 984

Structure



Contents

Attachment	
.....@Attachment.....	The URI for the attachment.
.....Purpose.....	<i>string</i> 1 to 70 character description of the attachment's function (for example, Blueprint).
.....FileName (optional).....	<i>string</i> 1 to 70 character file name of the attachment.
.....Title (optional).....	<i>string</i> 1 to 70 character title of the attachment.

.....Language (optional).....*LangCode* The language in which the attachment is written.

Examples

```
<Attachment Attachment="http://www.temporary.com/Pleasantondome.doc" >  
  <Purpose>BluePrint</Purpose>  
</Attachment>
```

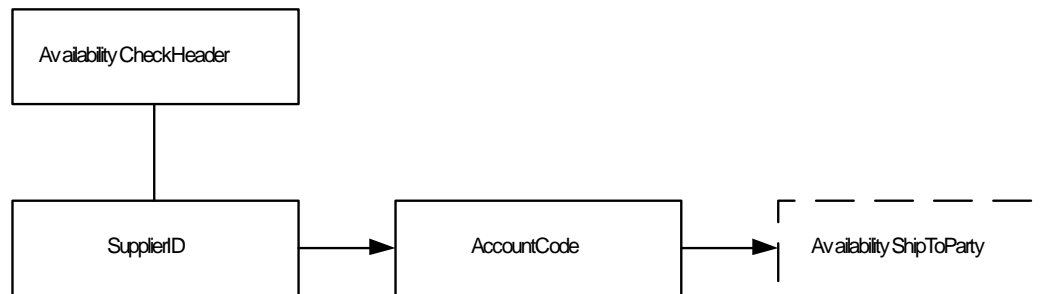
AvailabilityCheckHeader

The AvailabilityCheckHeader element contains identifying information about an availability check. It consists of:

- A SupplierID element, which identifies the supplier of the parts.
- An AccountCode element, which identifies the buyer.
- An optional AvailabilityShipToParty element, which identifies the destination to which the goods are being shipped. Note: the ship-to destination may influence the quantity of goods available for shipping.

[Source Code](#) AvailabilityCheckHeader.sox on page 986

Structure



Contents

AvailabilityCheckHeader

.....SupplierID.....	.....The supplier of the parts.
..... ..Reference	
..... ..RefNum.....	.....<i>string</i> The document being referenced.
..... ..RefDate (optional).....	.....<i>datetime</i> The date of the reference.
.....AccountCode.....	.....The buyer's account code.
..... ..Reference	
..... ..RefNum.....	.....<i>datetime</i> The date of the reference.
AvailabilityShipToParty (optional).....	.....The party to receive the goods.
.....Party	
..... ..@PartyID.....	.....<i>string</i> The identification number for the party.
..... ..@AgencyID.....	.....<i>string</i> The agency that issued the identification number.

.....ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier

..... Agency

..... @AgencyID.....AgencyCode The standards agency.

..... @AgencyOther.....string The standards agency, used when AgencyID has a value of "Other."

..... Ident.....string The coded identifier.

End of repeating element Identifier

.....NameAddress (optional).....Name and address information for the party to which the goods are being shipped.

..... Identifier (optional)

..... Agency

..... @AgencyID.....AgencyCode The standards agency.

..... @AgencyOther.....string The standards agency, used when AgencyID has a value of "Other."

..... Ident.....string The coded identifier.

..... Name1.....string The first line of the name.

..... Name2 (optional).....string The second line of the name.

..... Name3 (optional).....string The third line of the name.

..... Address1.....string The first line of the street address.

..... Address2 (optional).....string The second line of the street address.

..... Address3 (optional).....string The third line of the street address.

..... Address4 (optional).....string The fourth line of the street address.

..... Address5 (optional).....string The fifth line of the street address.

..... City.....string The city.

..... StateOrProvince.....string The state or province.

..... PostalCode.....string The zip or postal code.

..... Country.....CountryCode The two-character country code.

.....OrderContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

.....@AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

.....@AgencyOther.....string The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....string The coded identifier.

..... ContactName.....string The employee or department name.

..... Telephone.....string The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....string The 1 to 80 character email address.

..... Fax (optional).....string The FAX number.

..... ReceivingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
.....@AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther.....string The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....string The coded identifier.
..... ContactName.....string The employee or department name.
..... Telephone.....string The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....string The 1 to 80 character email address.
..... Fax (optional).....string The FAX number.
..... ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
.....@AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther.....string The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....string The coded identifier.
..... ContactName.....string The employee or department name.
..... Telephone.....string The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....string The 1 to 80 character email address.
..... Fax (optional).....string The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded
Repeating element ContactCoded
..... ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
.....@AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther.....string The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....string The coded identifier.
..... ContactName.....string The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
Email (optional).....*string* The 1 to 80 character email address.
Fax (optional).....*string* The FAX number.
 ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

Examples

```
<AvailabilityCheckHeader>
  <SupplierID>
    <Reference>
      <RefNum>OD1233</RefNum>
    </Reference>
  </SupplierID>

  <!-- The buyer account code -->
  <AccountCode>
    <Reference>
      <RefNum>OD11222S</RefNum>
    </Reference>
  </AccountCode>
</AvailabilityCheckHeader>
```

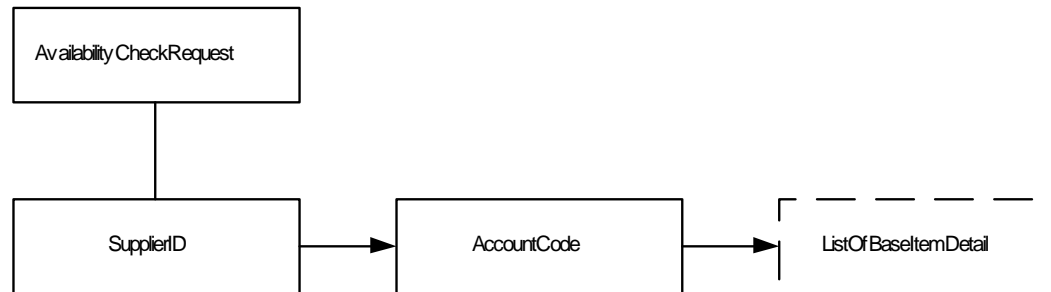

AvailabilityCheckRequest

The AvailabilityCheckRequest element contains a list of items whose availability is being checked. All items in the list are offered by a single supplier to a single buyer account. An AvailabilityCheckRequest consists of:

- A SupplierID element, which identifies the supplier of the parts.
- An AccountCode element, which identifies the buyer's account code with the supplier.
- An optional ListOfBaseItemDetail element, which identifies the parts whose availability is being checked.

[Source Code](#) AvailabilityCheckRequest.sox on page 988

Structure



Contents

AvailabilityCheckRequest

.....SupplierID.....	.....The supplier of the parts.
.....Reference	
.....RefNum.....	.....<i>string</i> The document being referenced.
.....RefDate (optional).....	.....<i>datetime</i> The date of the reference.
.....AccountCode.....	.....The buyer's account code with the supplier.
.....Reference	
.....RefNum.....	.....<i>string</i> The document being referenced.
.....RefDate (optional).....	.....<i>datetime</i> The date of the reference.
ListOfBaseItemDetail (optional).....	.....The parts whose availability is being checked.
Repeating element BaseItemDetail	
.....BaseItemDetail	

..... LineItemNum.....The line number on which the item appears in the order.

..... SubLineItemNum (optional).....

..... SupplierPartNum (optional).....The supplier's part number for this item.

..... PartNum

..... Agency.....The agency that assigned the supplier's part number.

..... @AgencyID.....*AgencyCode* The agency that assigned the part number. Specify one of the following agencies: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA. If agency that assigned the part number is not included in this list, specify an AgencyID of Other and use the AgencyOther element to specify the agency's actual name.

..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... PartID.....The unique identifier for the part.

..... PartIDExt (optional).....The part number extension.

..... BuyerPartNum (optional).....The buyer's part number for this item.

..... PartNum

..... Agency.....The agency that assigned the buyer's part number.

..... @AgencyID.....*AgencyCode* The agency that assigned the part number. Specify one of the following agencies: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA. If agency that assigned the part number is not included in this list, specify an AgencyID of Other and use the AgencyOther element to specify the agency's actual name.

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... PartID.....The unique identifier for the part.

..... PartIDExt (optional).....The part number extension.

..... ManufacturerPartNum (optional)

..... PartNum

..... Agency

..... @AgencyID.....*AgencyCode* The agency that assigned the part number. Specify one of the following agencies: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA. If agency that assigned the part number is not included in this list, specify an AgencyID of Other and use the AgencyOther element to specify the agency's actual name.

..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... PartID.....The unique identifier for the part.

..... PartIDExt (optional).....The part number extension.

..... CommodityCode (optional).....*string* The item's commodity code.

..... ItemDescription (optional).....*string* A description of the item.

..... Quantity (optional)

..... Qty.....*Decimal15_3* The total quantity of the item that was ordered.

..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... MaxBackOrderQuantity (optional)
..... Quantity
..... Qty.....*Decimal15_3* The maximum acceptable backordered quantity for this item.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... FinalRecipient (optional)
..... ErrorInfo
..... @ErrorInfoID
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... ListOfIdentifier (optional)
Repeating element Identifier
..... Identifier
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
..... @AgencyOther.....*string* The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."
..... Ident
End of repeating element Identifier
..... NameAddress (optional)
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.

..... Country.....*CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

.....Identifier (optional).....The order contact's identification number.

.....Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... ReceivingContact (optional)

..... Contact

.....Identifier (optional).....The receiving contact's identification number.

.....Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... ShippingContact (optional)

..... Contact

.....Identifier (optional)

.....Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... OtherContacts (optional)

..... ListOfContactCoded

Repeating element ContactCoded

.....ContactCoded

.....Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... Transport (optional)

..... @Direction.....*TransitDirection* The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).

..... Mode (optional).....*TransportMode* The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.

..... TransportModeOther (optional).....*string* A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.

..... Mean (optional).....*TransportMean* The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.

..... TransportMeanOther (optional).....*string* 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.

..... Carrier (optional).....*CarrierCode* The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other

..... CarrierOther (optional).....*string* The name of the carrier, specified if the value of Carrier is Other.

..... CustShippingContractNum (optional).....*string* The 1 to 35 character shipping contract number.

..... ShippingInstruction (optional).....*string* Brief (up to 256 characters) shipping instructions.

..... OffCatalogFlag.....*Boolean* True if the item appears in the product catalog; false if it does not.

End of repeating element BaseItemDetail

Examples

```
<?soxtype AvailabilityCheckRequest urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0?>
```

```
<!-- Instance of AvailabilityCheckRequest -->
```

```
<AvailabilityCheckRequest>
```

```
<!-- The supplier of the PartKeys to be quoted-->
```

```
<AvailabilityCheckHeader>
```

```
<SupplierID>
```

```
<Reference>
```

```
<RefNum>OD1233</RefNum>
```

```
</Reference>
```

```
</SupplierID>
```

```
<!-- The buyer account code -->
```

```
<AccountCode>
```

```
<Reference>
```

```
<RefNum>OD11222S</RefNum>
```

```
</Reference>
```

```
</AccountCode>
```

```
</AvailabilityCheckHeader>
```

```
<!-- A list of order items: PartKey, quote date, quantity-->
```

```
<!-- The ordering of items returned is guaranteed to match the ordering -->
```

```
<!-- of items in the AvailabilityCheckRequest. -->
```

```
<ListOfBaseItemDetail>
```

```
<BaseItemDetail>
```

```
<LineItemNum>1</LineItemNum>
```

```
<SupplierPartNum>
```

```
<PartNum>
```

```
<Agency AgencyID="AssignedBySupplier" />
```

```
<PartID>PK122122</PartID>
```

```
</PartNum>
```

```
</SupplierPartNum>
```

```
<Quantity>
```

```
<Qty>10</Qty>
```

```
<UnitOfMeasure>EA</UnitOfMeasure>
```

```
</Quantity>
```

```
</BaseItemDetail>
```

```
<BaseItemDetail>
  <LineItemNum>2</LineItemNum>
  <SupplierPartNum>
    <PartNum>
      <Agency AgencyID="AssignedBySupplier" />
      <PartID>PK122122</PartID>
    </PartNum>
  </SupplierPartNum>
  <Quantity>
    <Qty>1</Qty>
    <UnitOfMeasure>EA</UnitOfMeasure>
  </Quantity>
</BaseItemDetail>
</ListOfBaseItemDetail>

</AvailabilityCheckRequest>
```

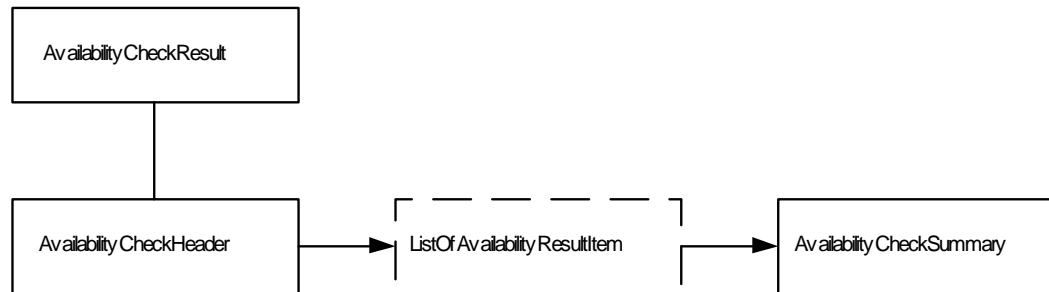
AvailabilityCheckResult

The AvailabilityCheckResult element contains the response to an AvailabilityCheckRequest document. It specifies the available quantity for each order item in the AvailabilityCheckRequest document. It consists of:

- An AvailabilityCheckHeader element, which identifies the buyer and supplier.
- An optional ListOfAvailabilityResultItem element, which contains the list of items and their available quantity.
- An AvailabilityCheckSummary element, which contains summary information.

[Source Code](#) AvailabilityCheckResult.sox on page 990

Structure



Contents

AvailabilityCheckResult
.....AvailabilityCheckHeader
.....SupplierID.....The supplier of the parts.
.....Reference
.....RefNum.....*string* The document being referenced.
.....RefDate (optional).....*datetime* The date of the reference.
.....AccountCode.....The buyer's account code.
.....Reference
.....RefNum.....*string* The document being referenced
.....RefDate (optional).....*datetime* The date of the reference.
.....AvailabilityShipToParty (optional).....The party to receive the goods.
.....Party
.....@PartyID.....*string* The identification number for the party.

..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
 @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier

..... Agency

..... @AgencyID.....*AgencyCode* The standards agency.

..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the Structure

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The standards agency.

..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... Name1.....*string* The first line of the name.

..... Name2 (optional).....*string* The second line of the name.

..... Name3 (optional).....*string* The third line of the name.

..... Address1.....*string* The first line of the street address.

..... Address2 (optional).....*string* The second line of the street address.

..... Address3 (optional).....*string* The third line of the street address.

..... Address4 (optional).....*string* The fourth line of the street address.

..... Address5 (optional).....*string* The fifth line of the street address.

..... City.....*string* The city.

..... StateOrProvince.....*string* The state or province.

..... PostalCode.....*string* The zip or postal code.

..... Country.....*CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded
Repeating element ContactCoded
..... ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther..... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

..... ContactFunctionCode..... *ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

.....ListOfAvailabilityResultItem (optional)

Repeating element AvailabilityResultItem

..... AvailabilityResultItem

..... QuotedItem

..... BaseItemDetail

..... LineItemNum..... *int* The line number on which the item appears in the order.

..... SubLineItemNum (optional)..... *int*

..... SupplierPartNum (optional)..... The supplier's part number for this item.

..... PartNum

..... Agency..... The agency that assigned the supplier's part number.

..... @AgencyID..... *AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

..... @AgencyOther..... *string* The standards agency, specified when AgencyID has a value of "Other."

..... PartID..... *string* The unique identifier for the part.

..... PartIDExt (optional)..... *string* The part number extension.

..... BuyerPartNum (optional)..... The buyer's part number for this item.

..... PartNum

..... Agency..... The agency that assigned the buyer's part number.

..... @AgencyID..... *AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

..... @AgencyOther..... *string* The agency, specified when AgencyID has a value of "Other."

..... PartID..... *string* The unique identifier for the part.

..... PartIDExt (optional)..... *string* The part number extension.

..... ManufacturerPartNum (optional)

..... PartNum

..... Agency

..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part number.

..... @AgencyOther..... *string* The standards agency, specified when AgencyID has a value of "Other."

..... PartID..... *string* The unique identifier for the part.

..... PartIDExt (optional)..... *string* The part number extension.

..... CommodityCode (optional)..... *string* The item's commodity code.

..... ItemDescription (optional)..... *string* A description of the item.

..... Quantity (optional)

..... Qty..... *Decimal15_3* The total quantity of the item that was ordered.

..... UnitOfMeasure..... The unit of measurement in which the quantity is expressed.

..... UOMCode..... *UOMCode* The unit of measurement.

..... UOMCodeOther..... *string* The unit of measurement, specified if UOMCode has a value of "Other."

..... MaxBackOrderQuantity (optional)

..... Quantity

..... Qty..... *Decimal15_3* The maximum acceptable backordered quantity for this item.

..... UnitOfMeasure..... The unit of measurement in which the quantity is expressed.

..... UOMCode..... *UOMCode* The unit of measurement.

..... UOMCodeOther..... *string* The unit of measurement, specified if UOMCode has a value of "Other."

..... FinalRecipient (optional)

..... ErrorInfo

..... @ErrorInfoID

..... @AgencyID..... *AgencyCode* The agency responsible for issuing part numbers

..... @AgencyOther..... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier

..... Agency

..... @AgencyID..... *AgencyCode* The agency responsible for issuing the identifier.

..... @AgencyOther..... *string* The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."

..... Ident

End of repeating element Identifier

..... NameAddress (optional)

..... Identifier (optional)

..... Agency

..... @AgencyID..... *AgencyCode* The agency responsible for issuing the identifier.

..... @AgencyOther..... *string* The standards agency, specified when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... Name1..... *string* The first line of the name.

..... Name2 (optional)..... *string* The second line of the name.

..... Name3 (optional)..... *string* The third line of the name.

..... Address1..... *string* The first line of the street address.

..... Address2 (optional)..... *string* The second line of the street address.

..... Address3 (optional)..... *string* The third line of the street address.

..... Address4 (optional)..... *string* The fourth line of the street address.

..... Address5 (optional)..... *string* The fifth line of the street address.

..... City..... *string* The city.

..... StateOrProvince..... *string* The state or province.

..... PostalCode..... *string* The zip or postal code.

..... Country..... *CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

..... Identifier (optional)..... The order contact's identification number.

..... Agency

..... @AgencyIDAgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification number.

..... @AgencyOther*string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident..... *string*..... The coded identifier.

..... ContactName..... *string*..... The employee or department name.

..... Telephone..... *string*..... The 1 to 80 character telephone number including country code and area code.

..... Email (optional).. *string*..... The 1 to 80 character email address.

..... Fax (optional)... *string*..... The FAX number.

..... ReceivingContact (optional)

..... Contact

..... Identifier (optional)..... The receiving contact's identification number.

..... Agency

..... @AgencyIDAgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.

..... @AgencyOther... *string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

.....ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
.....@AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
.....@AgencyOther... *string* The agency that issued the identification number, used when AgencyID has a value of "Other."
..... Ident..... *string* The coded identifier.
..... ContactName..... *string* The employee or department name.
..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional)..... *string* The 1 to 80 character email address.
..... Fax (optional)..... *string* The FAX number.
.....OtherContacts (optional)
..... ListOfContactCoded

Repeating element ContactCoded

..... ContactCoded
..... Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.*AgencyCode* The agency responsible for issuing part numbers.
..... @AgencyOther*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident..... *string* The coded identifier.
.....ContactName..... *string* The employee or department name.
.....Telephone..... *string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).. *string* The 1 to 80 character email address.
.....Fax (optional)... *string* The FAX number.
..... ContactFunctionCode *ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... Transport (optional)
.....@Direction..... *TransitDirection* The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).
.....Mode (optional)..... *TransportMode* The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.
.....TransportModeOther (optional)..... *string* A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.

.....Mean (optional).....	.....<i>TransportMean</i>	The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.
.....TransportMeanOther (optional).....	.....<i>string</i>	1 to 70 character description of the means of transportation, specified if the value of Mean is Other.
.....Carrier (optional).....	.....<i>CarrierCode</i>	The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other
.....CarrierOther (optional).....	.....<i>string</i>	The name of the carrier, specified if the value of Carrier is Other.
.....CustShippingContractNum (optional)...	.....<i>string</i>	The 1 to 35 character shipping contract number.
.....ShippingInstruction (optional).....	.....<i>string</i>	Brief (up to 256 characters) shipping instructions.
..... OffCatalogFlag.....	.....<i>Boolean</i>	True if the item appears in the product catalog; false if it does not.
..... AvailableQuantity		
..... Quantity		
..... Qty.....	.....<i>Decimal15_3</i>	The quantity of the item.
..... UnitOfMeasure.....	.....	The unit of measurement in which the quantity is expressed.
..... UOMCode.....	.....<i>UOMCode</i>	The unit of measurement.
..... UOMCodeOther.....	.....<i>string</i>	The unit of measurement, specified if UOMCode has a value of "Other."
..... ErrorInfo		
..... CompletionCode.....	.....<i>string</i>	The error code.
..... CompletionMsg		
..... LangString.....	.....<i>string</i>	The error message.
..... @Lang.....	.....<i>LangCode</i>	The ISO code for the language in which the message is written.
..... Severity.....	.....<i>SeverityCode</i>	The severity of the error. one of the following values: Informational, Warning, Diagnostic, Transient, Error, Warning, or Other.
..... ListOfParameter (optional).....	.....	One or more parameters specifying additional information about the error.
..... MinRetrySecs (optional).....	.....<i>int</i>	The number of seconds a caller must wait before sending a retry request.
..... SwVendorErrorRef (optional).....	.....<i>string</i>	The location of the code that generated the error.
End of repeating element AvailabilityResultItem		
.....AvailabilityCheckSummary		
..... AvailabilityItemErrors.....	.....<i>int</i>	The number of detail items that include errors.

Examples

```
<?soxtype AvailabilityCheckResult urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0?>
```

```
<!-- Instance of AvailabilityCheckResult -->
```

```
<AvailabilityCheckResult>
```

```
  <!-- The supplier of the PartKeys to be quoted-->
```

```
  <AvailabilityCheckHeader>
```

```
    <SupplierID>
```

```
<Reference>
  <RefNum>OD1233</RefNum>
</Reference>
</SupplierID>
```

```
<!-- The buyer account code -->
<AccountCode>
  <Reference>
    <RefNum>OD11222S</RefNum>
  </Reference>
</AccountCode>
</AvailabilityCheckHeader>
```

```
<ListOfAvailabilityResultItem>
  <AvailabilityResultItem>
    <QuotedItem>
      <BaseItemDetail>
        <LineItemNum>1</LineItemNum>
        <SupplierPartNum>
          <PartNum>
            <Agency AgencyID="AssignedBySupplier" />
            <PartID>PK122122</PartID>
          </PartNum>
        </SupplierPartNum>
        <Quantity>
          <Qty>10</Qty>
          <UnitOfMeasure>EA</UnitOfMeasure>
        </Quantity>
      </BaseItemDetail>
    </QuotedItem>
    <AvailableQuantity>
      <Quantity>
        <Qty>10</Qty>
        <UnitOfMeasure>EA</UnitOfMeasure>
      </Quantity>
    </AvailableQuantity>
  </AvailabilityResultItem>
```



```

<AvailabilityResultItem>
  <QuotedItem>
    <BaseItemDetail>
      <LineItemNum>2</LineItemNum>
      <SupplierPartNum>
        <PartNum>
          <Agency AgencyID="AssignedBySupplier" />
          <PartID>PK122122</PartID>
        </PartNum>
      </SupplierPartNum>
      <Quantity>
        <Qty>1</Qty>
        <UnitOfMeasure>EA</UnitOfMeasure>
      </Quantity>
    </BaseItemDetail>
  </QuotedItem>
  <AvailableQuantity>
    <Quantity>
      <Qty>1</Qty>
      <UnitOfMeasure>EA</UnitOfMeasure>
    </Quantity>
  </AvailableQuantity>
</AvailabilityResultItem>
</ListOfAvailabilityResultItem>

<AvailabilityCheckSummary>
<AvailabilityItemErrors>0</AvailabilityItemErrors>
</AvailabilityCheckSummary>

</AvailabilityCheckResult>

```

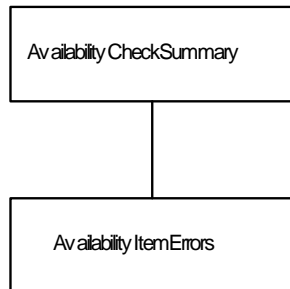
AvailabilityCheckSummary

The AvailabilityCheckSummary element contains the number of items in an availability check request that generated errors. It consists of:

- An AvailabilityItemErrors element, which specifies the number of items that returned errors.

[Source Code](#) AvailabilityCheckSummary.soX on page 992

Structure



Contents

AvailabilityCheckSummary
.....AvailabilityItemErrors.....*int* The number of items for which the availability check returned errors.

Examples

```
<AvailabilityCheckSummary>  
  <AvailabilityItemErrors>0</AvailabilityItemErrors>  
</AvailabilityCheckSummary>
```

AvailabilityResultItem

The AvailabilityResultItem element contains the available quantity of an item. It consists of:

- A QuotedItem element, which identifies the item whose availability is being queried.
- An AvailableQuantity element, which specifies the available quantity of the item.
- An optional AvailabilityErrorInfo element, which contains errors generated when the availability is queried.

[Source Code](#) AvailabilityCheckResult.sox on page 990

Structure



Contents

AvailabilityResultItem

.....QuotedItem

..... BaseItemDetail

..... LineItemNum.....*int* The line number on which the item appears in the order.

..... SubLineItemNum (optional).....*int*

..... SupplierPartNum (optional).....The supplier's part number for this item.

..... PartNum

..... Agency.....The agency that assigned the supplier's part number.

..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.
..... BuyerPartNum (optional).....The buyer's part number for this item.

..... PartNum
..... Agency.....The agency that assigned the buyer's part number.
.....@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
.....@AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... ManufacturerPartNum (optional)
..... PartNum
..... Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part number.
.....@AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... CommodityCode (optional).....*string* The item's commodity code.
..... ItemDescription (optional).....*string* A description of the item.
..... Quantity (optional)
..... Qty.....*Decimal15_3* The total quantity of the item that was ordered.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... MaxBackOrderQuantity (optional)
..... Quantity
..... Qty.....*Decimal15_3* The maximum acceptable backordered quantity for this item.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... FinalRecipient (optional)
..... ErrorInfo
..... @ErrorInfoID
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier
.....Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
..... @AgencyOther.....*string* The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."

End of repeating element Identifier

.....NameAddress (optional)
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
..... @AgencyOther.....*string* The standards agency, specifed when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....Name1.....*string* The first line of the name.
.....Name2 (optional)..... *string* The second line of the name.
.....Name3 (optional).....*string* The third line of the name.
.....Address1.....*string* The first line of the street address.
.....Address2 (optional).....*string* The second line of the street address.
.....Address3 (optional).....*string* The third line of the street address.
.....Address4 (optional).....*string* The fourth line of the street address.
.....Address5 (optional).....*string* The fifth line of the street address.
.....City.....*string* The city.
.....StateOrProvince.....*string* The state or province.
.....PostalCode.....*string* The zip or postal code.
.....Country.....*CountryCode* The two-character country code.
..... OrderContact (optional)
.....Contact
..... Identifier (optional).....The order contact's identification number.
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... ReceivingContact (optional)

.....Contact

.....Identifier (optional).....The receiving contact's identification number.

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... ShippingContact (optional)

.....Contact

.....Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... OtherContacts (optional)

.....ListOfContactCoded

Repeating element ContactCoded

.....ContactCoded

..... Contact

..... Identifier (optional)

..... Agency

.....@AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.

.....@AgencyOther... ..*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
 Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
 ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... Transport (optional)
 @Direction.....*TransitDirection* The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).
 Mode (optional).....*TransportMode* The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.
 TransportModeOther (optional).....*string* A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.
 Mean (optional).....*TransportMean* The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.
 TransportMeanOther (optional).....*string* 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.
 Carrier (optional).....*CarrierCode* The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other
 CarrierOther (optional).....*string* The name of the carrier, specified if the value of Carrier is Other.
 CustShippingContractNum (optional).....*string* The 1 to 35 character shipping contract number.
 ShippingInstruction (optional).....*string* Brief (up to 256 characters) shipping instructions.
 OffCatalogFlag.....*Boolean* True if the item appears in the product catalog; false if it does not.
AvailableQuantity
 Quantity
 Qty.....*Decimal15_3* The quantity of the item.
 UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
 UOMCode.....*UOMCode* The unit of measurement.
 UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
ErrorInfo
 CompletionCode.....*string* The error code.
 CompletionMsg
 LangString.....*string* The error message.
 @Lang.....*LangCode* The ISO code for the language in which the message is written.
 Severity.....*SeverityCode* The severity of the error. one of the following values: Informational, Warning, Diagnostic, Transient, Error, Warning, or Other.
 ListOfParameter (optional).....One or more parameters specifying additional information about the error.
 MinRetrySecs (optional).....*int* The number of seconds a caller must wait before sending a retry request.
 SwVendorErrorRef (optional).....*string* The location of the code that generated the error.

Examples

```
<AvailabilityResultItem>
  <QuotedItem>
    <BaseItemDetail>
      <LineItemNum>1</LineItemNum>
      <SupplierPartNum>
        <PartNum>
          <Agency AgencyID="AssignedBySupplier" />
          <PartID>PK122122</PartID>
        </PartNum>
      </SupplierPartNum>
      <Quantity>
        <Qty>10</Qty>
        <UnitOfMeasure>EA</UnitOfMeasure>
      </Quantity>
    </BaseItemDetail>
  </QuotedItem>
  <AvailableQuantity>
    <Quantity>
      <Qty>10</Qty>
      <UnitOfMeasure>EA</UnitOfMeasure>
    </Quantity>
  </AvailableQuantity>
</AvailabilityResultItem>
```

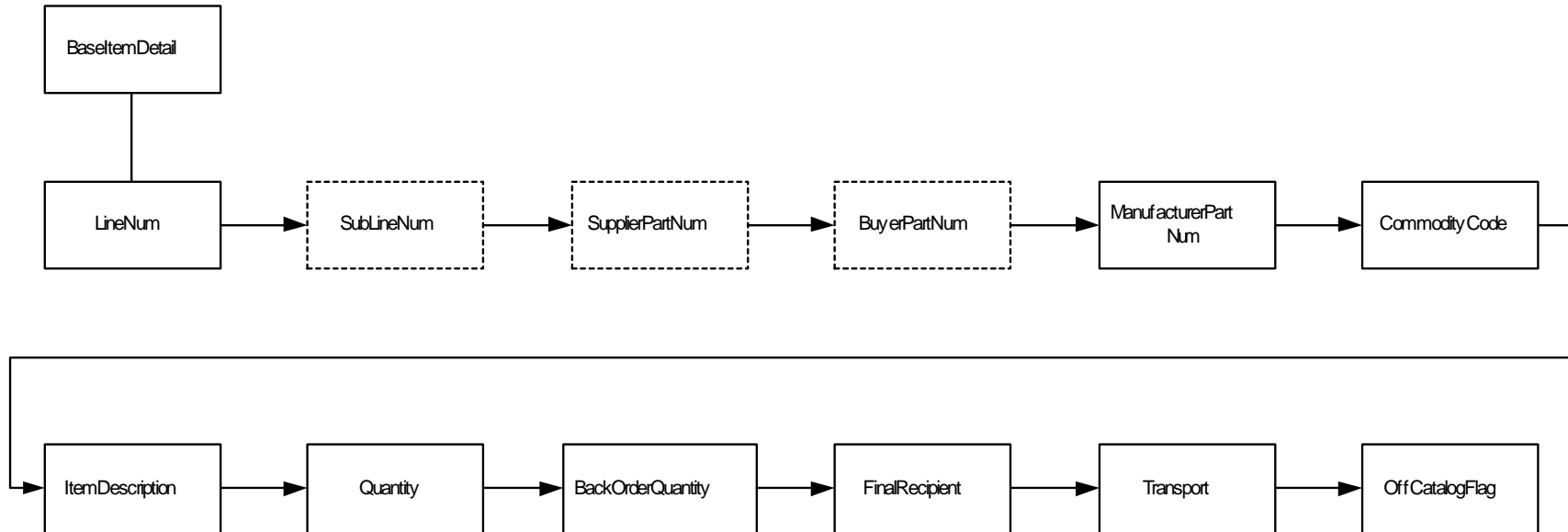

BaseItemDetail

The BaseItemDetail element contains information about individual line items in a purchase order. It consists of:

- A LineItemNum element, which identifies the line number on which the item appears in the order.
- An optional SubLineItemNum, which further identifies the item's position within the order.
- An optional SupplierPartNum element, which specifies the supplier's part number for the item.
- An optional BuyerPartNum element, which specifies the buyer's part number for the item.
- An optional ManufacturerPartNum element, which specifies the manufacturer's part number for the item.
- An optional CommodityCode element, which specifies the commodity code for the item.
- An optional ItemDescription element, which provides a description of the item.
- An optional Quantity element, which specifies the total quantity of the item ordered.
- An optional MaxBackOrderQuantity element, which specifies the maximum acceptable backordered quantity for the item.
- An optional FinalRecipient element, which provides information about the person who will receive the item.
- An optional Transport element, which provides information about the method used to transport the item.
- An OffCatalogFlag element, which indicates whether the item is included in the product catalog.

[Source Code](#) BaseItemDetail.mod on page 993

Structure



Contents

BaseItemDetail

.....LineItemNum.....	.....<i>int</i> The line number on which the item appears in the order.
.....SubLineItemNum (optional).....	.....<i>int</i>
.....SupplierPartNum (optional).....	.....The supplier's part number for this item.
.....PartNum	
.....Agency.....	.....The agency that assigned the supplier's part number.
.....@AgencyID.....	.....<i>AgencyCode</i> The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
.....@AgencyOther.....	.....<i>string</i> The standards agency, specified when AgencyID has a value of "Other."
.....PartID.....	.....<i>string</i> The unique identifier for the part.
.....PartIDExt (optional).....	.....<i>string</i> The part number extension.
.....BuyerPartNum (optional).....	.....The buyer's part number for this item.
.....PartNum	
.....Agency.....	.....The agency that assigned the buyer's part number.

..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

.....ManufacturerPartNum (optional)

..... PartNum

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part number.

..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The manufacturer's unique identifier for the part.

..... PartIDExt (optional).....*string* The manufacturer's part number extension.

.....CommodityCode (optional).....*string* The item's commodity code.

.....ItemDescription (optional).....*string* A description of the item.

.....Quantity (optional)

..... Qty.....*Decimal15_3* The total quantity of the item that was ordered.

..... UnitOfMeasure.....The unit of measurement in which the ordered quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

.....MaxBackOrderQuantity (optional)

..... Quantity

..... Qty.....*Decimal15_3* The maximum acceptable backordered quantity for the item.

..... UnitOfMeasure.....The unit of measurement in which the backordered quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

.....FinalRecipient (optional)

..... Party

..... @PartyID.....

..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... ListOfIdentifier (optional)

..... Identifier

..... Agency

.....@AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.

.....@AgencyOther.....*string* The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."

..... Ident

..... NameAddress (optional)

..... Identifier (optional)

..... Agency

.....@AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.

.....@AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... Name1.....*string* The first line of the name.

..... Name2 (optional).....*string* The second line of the name.

..... Name3 (optional).....*string* The third line of the name.

..... Address1.....*string* The first line of the street address.

..... Address2 (optional).....*string* The second line of the street address.

..... Address3 (optional).....*string* The third line of the street address.

..... Address4 (optional).....*string* The fourth line of the street address.

..... Address5 (optional).....*string* The fifth line of the street address.

..... City.....*string* The city.

..... StateOrProvince.....*string* The state or province.

..... PostalCode.....*string* The zip or postal code.

..... Country.....*CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

..... Identifier (optional).....The order contact's identification number.

.....Agency

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification number.

.....@AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ReceivingContact (optional)

..... Contact

..... Identifier (optional).....The receiving contact's identification number.

.....Agency

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.

.....@AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

.....ShippingContact (optional)
.....Contact
.....Identifier (optional)
.....Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.

.....@AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

.....OtherContacts (optional)
.....ListOfContactCoded
Repeating element ContactCoded
.....ContactCoded
.....Contact
.....Identifier (optional)
.....Agency
.....@AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.
.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

.....ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded
.....Transport (optional)

..... @Direction.....	.....<i>TransitDirection</i>	The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).
..... Mode (optional).....	.....<i>TransportMode</i>	The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.
..... TransportModeOther (optional).....	.....<i>string</i>	A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.
..... Mean (optional).....	.....<i>TransportMean</i>	The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.
..... TransportMeanOther (optional).....	.....<i>string</i>	1 to 70 character description of the means of transportation, specified if the value of Mean is Other.
..... Carrier (optional).....	.....<i>CarrierCode</i>	The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other
..... CarrierOther (optional).....	.....<i>string</i>	The name of the carrier, specified if the value of Carrier is Other.
..... CustShippingContractNum (optional).....	.....<i>string</i>	The 1 to 35 character shipping contract number.
..... ShippingInstruction (optional).....	.....<i>string</i>	Brief (up to 256 characters) shipping instructions.
..... OffCatalogFlag.....	.....<i>Boolean</i>	True if the item appears in the product catalog; false if it does not.

Examples

```

<BaseItemDetail>
  <LineItemNum>1</LineItemNum>
  <SupplierPartNum>
    <PartNum>
      <Agency AgencyID="AssignedBySupplier" />
      <PartID>PK122122</PartID>
    </PartNum>
  </SupplierPartNum>
  <Quantity>
    <Qty>10</Qty>
    <UnitOfMeasure>EA</UnitOfMeasure>
  </Quantity>
</BaseItemDetail>

```

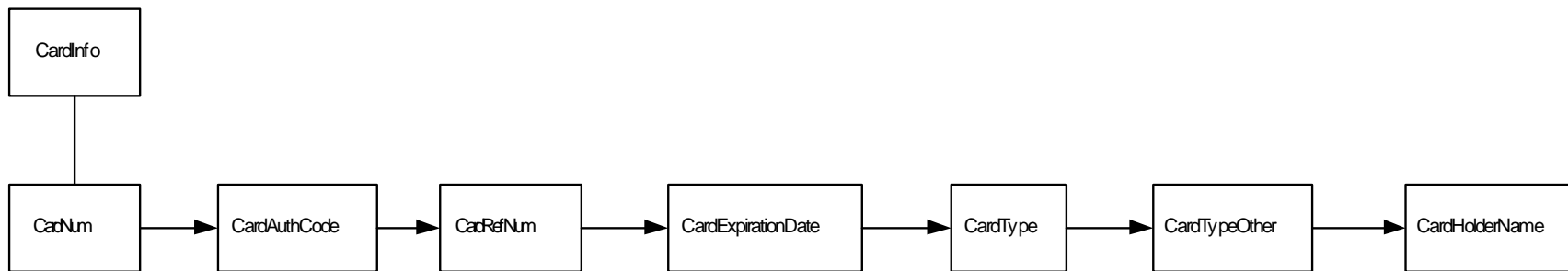
CardInfo

The CardInfo element contains credit card information. It consists of:

- A CardNum element, which specifies the charge card number (normally 1 to 17 alphanumeric characters).
- An optional CardAuthCode element, which specifies the charge card authorization code (normally 1 to 35 alphanumeric characters).
- An optional CardRefNum element, which specifies a customer-specific reference number (normally 1 to 35 alphanumeric characters).
- A CardExpirationDate element, which contains the expiration date for the charge card, expressed in YYMMDD format.
- An optional CardType element, which specifies the type of charge card being used (AMEX, VISA, MC, Discover, JCB, Diners, or Other).
- An optional CardTypeOther element, which specifies the charge card being used if CardType has a value of Other.
- An optional CardHolderName element, which specifies the name printed on the credit card (normally 1 to 30 alphanumeric characters).

[Source Code](#) Payment.mod on page 1125

Structure



Contents

CardInfo

.....CardNum.....	CardNum.....	<i>string</i>	The 1- to 17-character charge card number.
.....CardAuthCode (optional).....	CardAuthCode.....	<i>string</i>	The 1- to 35-character charge card authorization code.
.....CardRefNum (optional).....	CardRefNum.....	<i>string</i>	The 1- to 35-character customer reference number.
.....CardExpirationDate.....	CardExpirationDate.....	<i>datetime</i>	The charge card expiration date in YYMMDD format.
.....CardType (optional).....	CardType.....	<i>CardTypeCode</i>	The type (AMEX, VISA, MC, Discover, JCB, Diners, or Other) of credit card being used.

.....CardTypeOther (optional).....*string* The 1- to 70-character credit card type, specified if CardType has a value of Other.
.....CardHolderName (optional).....*string* The 1- to 30-character name imprinted on the credit card.

Examples

```
<CardInfo>  
  <CardNum>1234432112344321</CardNum>  
  <CardAuthCode>JUBF123</CardAuthCode>  
  <CardRefNum>123</CardRefNum>  
  <CardExpirationDate>20000805T01:01:01</CardExpirationDate>  
  <CardType>AMEX</CardType>  
  <CardHolderName>Mr. Joe Blow</CardHolderName>  
</CardInfo>
```


CardTypeCode

The CardTypeCode datatype enumerates the codes that may be used to represent different types of credit cards.

[Source Code](#) Payment.mod on page 1125

Values

The following CardTypeCode values have been defined:

Code	Description
Other	Card not included in this list
AMEX	American Express
VISA	VISA
MC	MasterCard
Discover	Discover
JCB	JCB
Diners	Diners Club

CarrierCode

The CarrierCode datatype enumerates the codes that may be used to represent different carriers.

[Source Code](#) Transport.mod on page 1202

Values

The following CarrierCodevalues have been defined:

Code	Description
Other	Carrier not included in this list
None	No carrier
LessTruckLoadCarrier	
CommonCarrier	Truck load carrier
UPS	United Parcel Service
Fedex	Federal Express
DHL	DHL
Airborne	Airborne Express

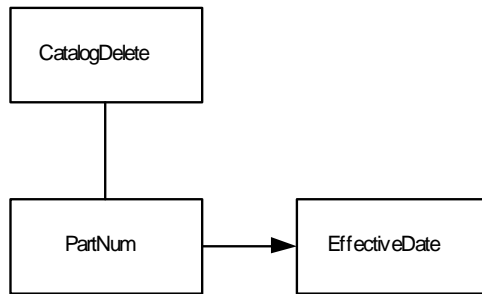
CatalogDelete

The CatalogDelete element contains information about a part to be removed from a PriceCatalog or a ProductCatalog. It consists of:

- A PartNum element, which specifies the part number and the agency that assigned it.
- An EffectiveDate element, which specifies the date on which the part is to be removed from the catalog.

[Source Code](#) CatalogDelete.mod on page 999

Structure



Contents

CatalogDelete	
.....PartNum.....	.....The part number to be deleted from the catalog.
..... Agency.....	.....The agency that issued the part number.
..... @AgencyID.....	.....<i>AgencyCode</i> The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....	.....<i>string</i> The agency, specified when AgencyID has a value of "Other."
..... PartID.....	.....<i>string</i> The unique identifier for the part.
..... PartIDExt (optional).....	.....<i>string</i> The part number extension.
.....EffectiveDate.....	.....<i>date</i> The date on which the part is to be removed from the catalog.

Examples

```
<CatalogDelete>
  <PartNum>
    <Agency AgencyID="CommerceOne" />
```

<PartID>1732|1812||</PartID>
</PartNum>
</CatalogDelete>

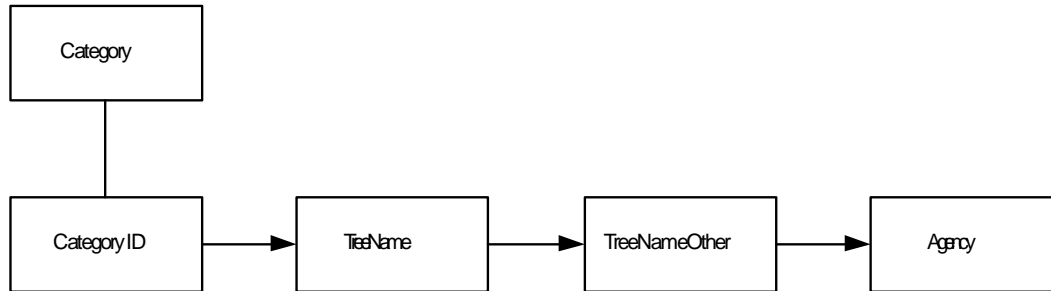
Category

The Category element defines a product category by which parts are qualified. It consists of

- A CategoryID element, which identifies the category.
- A TreeName element, which identifies the tree (SupplierTree, BuyerTree, UNSPSC, or NIGP) to which the category belongs.
- An optional TreeNameOther element, which specifies the tree name if the value of TreeName is "Other."
- An Agency element, which identifies the agency responsible for the category tree.

[Source Code](#) Category.mod on page 1000

Structure



Contents

Category

.....CategoryID.....	.....<i>string</i> The unique identifier for the category.
.....TreeName.....	.....<i>TreeNameCode</i> The name of the tree. one of the following values: SupplierTree, BuyerTree, UNSPSC, NIGP, or Other.
.....TreeNameOther (optional).....	.....<i>string</i> The name of the tree, specified if TreeName has a value of Other.
.....Agency (optional)	
..... @AgencyID.....	.....<i>AgencyCode</i> The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.

..... @AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.

Examples

```
<Category>  
  <CategoryID>Printers</CategoryID>  
  <TreeName>SupplierTree</TreeName>  
</Category>
```

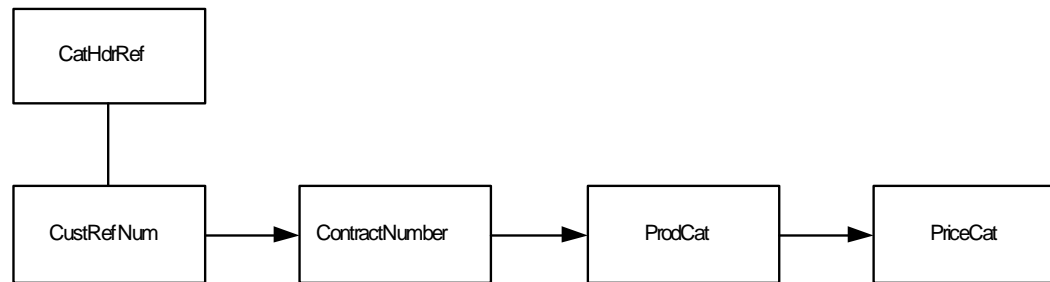
CatHdrRef

The CatHdrRef element identifies customers, contracts, price catalogs, product inquiries, and other document associated with a PriceCatalog or a ProductCatalog. It consists of:

- An optional CustRefNum element, which identifies the customer.
- An optional ContractNumber element, which identifies the contract.
- An optional ProdCat element, which identifies the product catalog.
- An optional PriceCat element, which identifies the price catalog.

[Source Code](#) CatHdrRef.mod on page 1003

Structure



Contents

CatHdrRef

.....CustRefNum (optional)

.....Reference

.....RefNum.....*string* The number of the related customer.

.....RefDate (optional).....*datetime* The associated date.

.....ContractNum (optional)

.....Reference

.....RefNum.....*string* The number of the related contract.

.....RefDate (optional).....*datetime* The associated date.

.....ProdCat (optional)

..... Reference
 RefNum.....*string* The number of the related product catalog.
 RefDate (optional).....*datetime* The associated date.
PriceCat (optional)
 Reference
 RefNum.....*string* The number of the related price catalog.
 RefDate (optional).....*datetime* The associated date.

Examples

```
<CatHdrRef>
  <CustRefNum>
    <Reference>
      <RefNum>ZZZ5567</RefNum>
      <RefDate>19990725</RefDate>
    </Reference>
  </CustRefNum>
  <ContractNum>
    <ContractId>CTR:1234567</ContractId>
    <StartDate>19980725</StartDate>
    <EndDate>20010725</EndDate>
    <Reference>
      <RefNum>BOY2222</RefNum>
      <RefDate>19990311</RefDate>
    </Reference>
  </ContractNum>
  <ProdCat>...</>
  <PriceCat>...</>
  <ProdInqNum>...</>
  <ListOfReferenceCoded>...</>
</CatHdrRef>
```

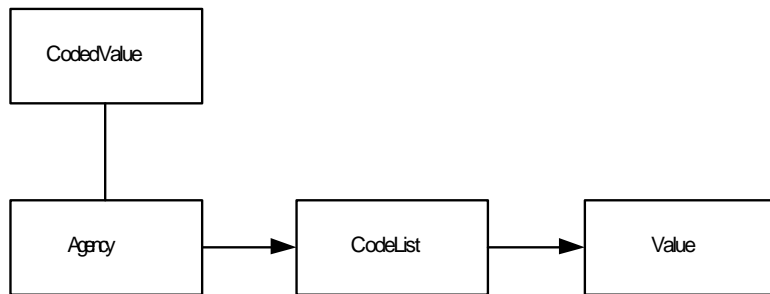

CodedValue

The CodedValue element contains a value associated with a code list. It consists of:

- An Agency element, which identifies the standards agency that maintains the codes.
- An optional CodeList element, which identifies the code list to which the value belongs.
- A Value element, which specifies the value.

[Source Code](#) CodedValue.mod on page 1009

Structure



Contents

CodedValue

.....Agency

..... @AgencyID.....	.....<i>AgencyCode</i> The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.
..... @AgencyOther.....	.....<i>string</i> The standards agency responsible for the code list, specified if Agency has a value of Other.
.....CodeList (optional).....	.....<i>string</i> The name or description of the code list.
.....Value.....	.....<i>string</i> The coded value.

Examples

<CodedValue>

```
<Agency AgencyID="Commerceone"></Agency>  
<CodeList>string of codes</CodeList>  
<Value>string of values</Value>  
</CodedValue>
```

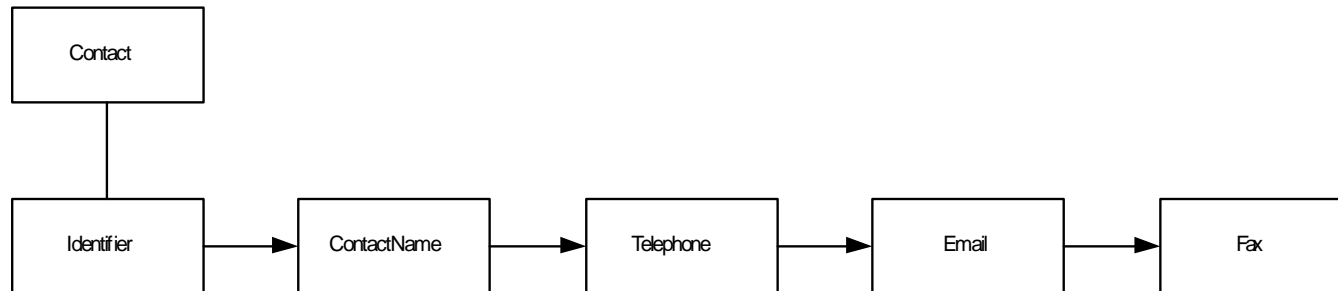
Contact

The Contact element contains identifying information for a contact. It consists of:

- An optional Identifier element, which specifies the contact's department or employee ID.
- A ContactName element, which specifies the contact's name or department.
- A Telephone element, which specifies the contact's 1 to 80 character telephone number, including country code and area code.
- An optional Email element, which specifies the contact's 1 to 80 character email address.
- An optional Fax element, which specifies the contact's FAX telephone number.

[Source Code](#) Contact.mod on page 1015

Structure



Contents

Contact

.....Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.

Examples

```
<Contact>  
  <ContactName>Mr. Mark Smith</ContactName>  
  <Telephone>(925) 941-3333</Telephone>  
  <Email>mark.smith@commerceone.com</Email>  
  <Fax>(925) 941-4555</Fax>  
</Contact>
```

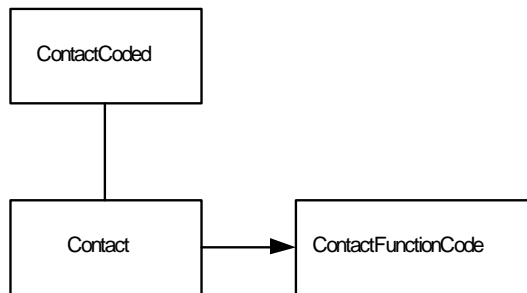
ContactCoded

The ContactCoded element contains a function code and identifying information for a contact. It consists of:

- An Contact element, which identifies the contact.
- A ContactFunctionCode element, which indicates the contact's function (OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact).

[Source Code](#) Contact.mod on page 1015

Structure



Contents

ContactCoded

.....Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

.....ContactFunctionCode..... *ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

Examples

```
<Contact>  
  <Identifier>...</>  
  <ContactName>...</>  
  <Telephone>...</>  
  <Email>...</>  
  <Fax>...</>  
  <ContactQual>InfoContact</ContactQual>  
</Contact>
```

ContactFunctionCode

The ContactFunctionCode datatype enumerates the codes that may be used to represent an individual's role with respect to a contract. These values are based on EDIFACT data element 3139, Contact Function.

[Source Code](#) Contact.mod on page 1015

Values

The following ContactFunctionCode values have been defined:

ContactFunctionCode	Description	EDIFACT Code
OrderContact	Order contact	OC
ReceivingContact	Goods receiving contact	GR
InfoContact	Information contact	IC
PurchasingContact	Purchasing contact	PD
SalesRepContact	Sales representative or department	SR

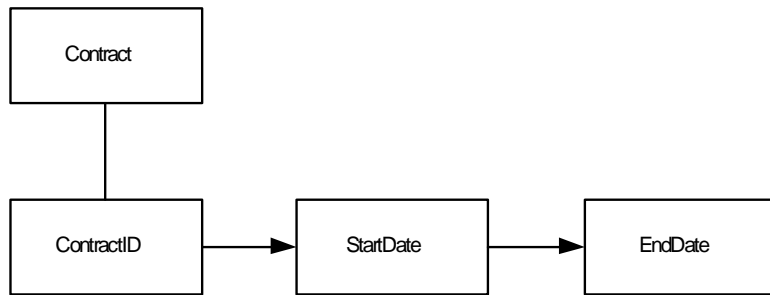
Contract

A Contract element contains information about a contract between a buyer and a supplier. It consists of:

- A ContractID element, which identifies the contract.
- A StartDate and an EndDate element, which together specify the period during which the contract is effect.

[Source Code](#) Contract.mod on page 1018

Structure



Contents

Contract

.....ContractID.....*string* The unique identifier for the contract.
.....StartDate.....*date* The date the contract begins.
.....EndDate.....*date* The date the contract ends.

Examples

```
<Contract>  
  <ContractId>CRT:56778</ContractId>  
  <StartDate>19980725</StartDate>  
  <EndDate>20010725</EndDate>  
</Contract>
```


ControllingAgency

The ControllingAgency datatype enumerates the names of standards agencies. These correspond to EDIFACT Data Element 0051. Controlling Agency.

Values

The following ControllingAgency values have been defined:

Value	Description
Other	
EN	EAN International
UN	UN/ECE/TRADE/WP .4, UNSM

[Source Code](#) CommonDataElement.mod on page 1011

CountryCode

The CountryCode datatype enumerates the two-character codes that may be used to represent the names of countries. The list is based on ISO list 3166, "Codes for the Representation of Countries," which is specified by UN/EDIFACT (d.99B) element 3207, Country Name Code.

For more information, visit the UN/CEFACT (UN/ECE) website at <http://www.unece.org/cefact/>

and the UN/EDIFACT website at <http://www.unece.org/trade/untdid/welcome.htm>

[Source Code](#) CountryCode.mod on page 1020

Values

The following CountryCode values have been defined:

Name of Country	CountryCode Value
Afghanistan	AF
Albania	AL
Algeria	DZ
American Samoa	AS
Andorra	AD
Angola	AO
Anguilla	AI
Antarctica	AQ
Antigua And Barbuda	AG
Argentina	AR
Armenia	AM
Aruba	AW
Australia	AU

Name of Country	CountryCode Value
Austria	AT
Azerbaijan	AZ
Bahamas	BS
Bahrain	BH
Bangladesh	BD
Barbados	BB
Belarus	BY
Belgium	BE
Belize	BZ
Benin	BJ
Bermuda	BM
Bhutan	BT
Bolivia	BO
Bosnia And Herzegovina	BA
Botswana	BW
Bouvet Island	BV
Brazil	BR
British Indian Ocean Territory	IO
Brunei Darussalam	BN
Bulgaria	BG
Burkina Faso	BF
Burundi	BI

Name of Country	CountryCode Value
Cambodia	KH
Cameroon	CM
Canada	CA
Cape Verde	CV
Cayman Islands	KY
Central African Republic	CF
Chad	TD
Chile	CL
China	CN
Christmas Island	CX
Cocos (Keeling) Islands	CC
Colombia	CO
Comoros	KM
Congo	CG
Congo, The Democratic Republic Of The	CD
Cook Islands	CK
Costa Rica	CR
Cote D'ivoire	CI
Croatia	HR
Cuba	CU
Cyprus	CY
Czech Republic	CZ

Name of Country	CountryCode Value
Denmark	DK
Djibouti	DJ
Dominica	DM
Dominican Republic	DO
East Timor	TP
Ecuador	EC
Egypt	EG
El Salvador	SV
Equatorial Guinea	GQ
Eritrea	ER
Estonia	EE
Ethiopia	ET
Falkland Islands (Malvinas)	FK
Faroe Islands	FO
Fiji	FJ
Finland	FI
France	FR
France, Metropolitan	FX
French Guiana	GF
French Polynesia	PF
French Southern Territories	TF
Gabon	GA

Name of Country	CountryCode Value
Gambia	GM
Georgia	GE
Germany	DE
Ghana	GH
Gibraltar	GI
Greece	GR
Greenland	GL
Grenada	GD
Guadeloupe	GP
Guam	GU
Guatemala	GT
Guinea	GN
Guinea-bissau	GW
Guyana	GY
Haiti	HT
Heard Island And Mcdonald Islands	HM
Holy See (Vatican City State)	VA
Honduras	HN
Hong Kong	HK
Hungary	HU
Iceland	IS
India	IN

Name of Country	CountryCode Value
Indonesia	ID
Iran, Islamic Republic Of	IR
Iraq	IQ
Ireland	IE
Israel	IL
Italy	IT
Jamaica	JM
Japan	JP
Jordan	JO
Kazakstan	KZ
Kenya	KE
Kiribati	KI
Korea, Democratic People's Republic Of	KP
Korea, Republic Of	KR
Kuwait	KW
Kyrgyzstan	KG
Lao People's Democratic Republic	LA
Latvia	LV
Lebanon	LB
Lesotho	LS
Liberia	LR
Libyan Arab Jamahiriya	LY

Name of Country	CountryCode Value
Liechtenstein	LI
Lithuania	LT
Luxembourg	LU
Macau	MO
Macedonia, The Former Yugoslav Republic Of	MK
Madagascar	MG
Malawi	MW
Malaysia	MY
Maldives	MV
Mali	ML
Malta	MT
Marshall Islands	MH
Martinique	MQ
Mauritania	MR
Mauritius	MU
Mayotte	YT
Mexico	MX
Micronesia, Federated States Of	FM
Moldova, Republic Of	MD
Monaco	MC
Mongolia	MN
Montserrat	MS

Name of Country	CountryCode Value
Morocco	MA
Mozambique	MZ
Myanmar	MM
Namibia	NA
Nauru	NR
Nepal	NP
Netherlands	NL
Netherlands Antilles	AN
New Caledonia	NC
New Zealand	NZ
Nicaragua	NI
Niger	NE
Nigeria	NG
Niue	NU
Norfolk Island	NF
Northern Mariana Islands	MP
Norway	NO
Oman	OM
Pakistan	PK
Palau	PW
Palestinian Territory, Occupied	PS
Panama	PA

Name of Country	CountryCode Value
Papua New Guinea	PG
Paraguay	PY
Peru	PE
Philippines	PH
Pitcairn	PN
Poland	PL
Portugal	PT
Puerto Rico	PR
Qatar	QA
Reunion	RE
Romania	RO
Russian Federation	RU
Rwanda	RW
Saint Helena	SH
Saint Kitts And Nevis	KN
Saint Lucia	LC
Saint Pierre And Miquelon	PM
Saint Vincent And The Grenadines	VC
Samoa	WS
San Marino	SM
Sao Tome And Principe	ST
Saudi Arabia	SA

Name of Country	CountryCode Value
Senegal	SN
Seychelles	SC
Sierra Leone	SL
Singapore	SG
Slovakia	SK
Slovenia	SI
Solomon Islands	SB
Somalia	SO
South Africa	ZA
South Georgia And The South Sandwich Islands	GS
Spain	ES
Sri Lanka	LK
Sudan	SD
Suriname	SR
Svalbard And Jan Mayen	SJ
Swaziland	SZ
Sweden	SE
Switzerland	CH
Syrian Arab Republic	SY
Taiwan, Province Of China	TW
Tajikistan	TJ
Tanzania, United Republic Of	TZ

Name of Country	CountryCode Value
Thailand	TH
Togo	TG
Tokelau	TK
Tonga	TO
Trinidad And Tobago	TT
Tunisia	TN
Turkey	TR
Turkmenistan	TM
Turks And Caicos Islands	TC
Tuvalu	TV
Uganda	UG
Ukraine	UA
United Arab Emirates	AE
United Kingdom	GB
United States	US
United States Minor Outlying Islands	UM
Uruguay	UY
Uzbekistan	UZ
Vanuatu	VU
Venezuela	VE
Vietnam	VN
Virgin Islands, British	VG

Name of Country	CountryCode Value
Virgin Islands, U.S.	VI
Wallis And Futuna	WF
Western Sahara	EH
Yemen	YE
Yugoslavia	YU
Zambia	ZM
Zimbabwe	ZW

CurrencyCode

The CurrencyCode datatype defines the three-character codes used to represent the names of various international currencies. These codes are based on ISO 4217 "Alphabetic Currency Code" as specified by UN/EDIFACT (D.99B) element 6345, Currency identification code.

For more information on currency codes, see the following websites:

- The UN/CEFACT (UN/ECE) website at <http://www.unece.org/cefact/>
- The UN/EDIFACT website at <http://www.unece.org/trade/untdid/welcome.htm>

[Source Code](#) CurrencyCode.mod on page 1027

Values

The following CurrencyCode values have been defined:

Currency Name	CurrencyCode Value
Afghani	AFA
Algerian Dinar	DZD
Andorran Peseta	ADP
Argentine Peso	ARP
Argentine Peso	ARS
Armenian Dram	AMD
Aruban Florin	AWF
Australian Dollar	AUD
Austrian Schilling	ATS
Azerbaijani Manat	AZM
Bahamian Dollar	BSD
Bahraini Dinar	BHD

Currency Name	CurrencyCode Value
Bangladeshi Taka	BDT
Barbados Dollar	BBD
Belarussian Ruble	BYB
Belgian Franc	BEF
Belize Dollar	BZD
Bermudian Dollar	BMD
Bhutanese Ngultrum	BTN
Boliviano	BOB
Bosnia and Herzegovena Convertible Mark	BAK
Botswana Pula	BWP
Brazilian Real	BRL
Brunei Dollar	BND
Bulgarian Lev	BGL
Burundi Franc	BIF
Cambodian Riel	KHR
Canadian Dollar	CAD
Cape Verde Escudo	CVE
Cayman Is. Dollar	KYD
CFA Franc BCEAO	XOF
CFA Franc BEAC	XAF
CFP Franc	XPF
Chilean Peso	CLP

Currency Name	CurrencyCode Value
Chilean Unidades de Formento	CLF
Chinese Yuan Renminbi	CNY
Colombian Peso	COP
Comoran Franc	KMF
Costa Rican Colon	CRC
Croatian Kuna	HRK
Cuban Peso	CUP
Cyprus Pound	CYP
Czech Koruna	CZK
Danish Krone	DKK
Deutsche Mark	DEM
Dinar	BAD
Djibouti Franc	DJF
Dominican Peso	DOP
East Caribbean Dollar	XCD
Ecuador Sucre	ECS
Egyptian Pound	EGP
El Salvador Colon	SVC
Eritrea Nakfa	ERN
Estonia Kroon	EEK
Ethiopian Birr	ETB
Euro	EUR

Currency Name	CurrencyCode Value
European Currency Unit (E.C.U.)	XEU
Falkland Islands Pound	FKP
Fiji Dollar	FJD
Financial Rand	ZAL
Finnish Markka	FIM
French Franc	FRF
Gambian Dalasi	GMD
Georgian Lari	GEL
Ghanaian Cedi	GHC
Gibraltar Pound	GIP
Gold	XAU
Greek Drachma	GRD
Guatemalan Quetzal	GTQ
Guinea Franc	GNF
Guinea-Bissau Peso	GWP
Guyan Dollar	GYD
Haitian Gourde	HTG
Honduran Lempira	HNL
Hong Kong Dollar	HKD
Hungarian Forint	HUF
Iceland Krona	ISK
Indian Rupee	INR

Currency Name	CurrencyCode Value
Indonesian Rupiah	IDR
Iranian Airline Rate	IRA
Iranian Rial	IRR
Iraqi Dinar	IQD
Irish Punt	IEP
Israeli New Shekel	ILS
Italian Lira	ITL
Jamaican Dollar	JMD
Japanese Yen	JPY
Jordanian Dinar	JOD
Kazakhstan Tenge	KZT
Kenyan Schilling	KES
Kuwaiti Dinar	KWD
Kwanza Reajustado	AOR
Kyrgyzstani Som	KGS
Lao Kip	LAK
Latvian Lats	LVL
Lebanese Pound	LBP
Lek	ALL
Lesotho Loti	LSL
Liberian Dollar	LRD
Libyan Dinar	LYD

Currency Name	CurrencyCode Value
Lithuanian Litas	LTL
Luxembourg Franc	LUF
Macau Pataca	MOP
Macedonian Denar	MKD
Malagasy Franc	MGF
Malawi Kwacha	MWK
Malaysian Ringgit	MYR
Maldive Rufiyaa	MVR
Maltese Lira	MTL
Mauritanian Ouguiya	MRO
Mauritius Rupee	MUR
Mexican Nuevo Peso	MXN
Moldovan Leu	MDL
Mongolian Tugrik	MNT
Moroccan Dirham	MAD
Mozambique Metical	MZM
MVDol	BOV
Myanmar Kyat	MMK
Namibian Dollar	NAD
Nepalese Rupee	NPR
Netherlands Antillean Guilder	ANG
Netherlands Antillean Guilder	AWG

Currency Name	CurrencyCode Value
Netherlands Guilder	NLG
New Kwanza	AON
New Taiwan Dollar	TWD
New Zaire	ZRN
Nicaraguan Cordoba Oro	NIO
Nigerian Naira	NGN
North Korean Won	KPW
Norwegian Krone	NOK
Pakistan Rupee	PKR
Panamanian Balboa	PAB
Papua New Guinea Kina	PGK
Paraguay Guarani	PYG
Peruvian Nuevo Sol	PEN
Philippine Peso	PHP
Polish New Zloty	PLN
Portuguese Escudo	PTE
Pound Sterling	GBP
Qatari Rial	QAR
Rial Omani	OMR
Romanian Leu	ROL
Russian Ruble	RUR
Rwanda Franc	RWF

Currency Name	CurrencyCode Value
Samoan Tala	WST
Sao Tome and Principe Dobra	STD
Saudi Riyal	SAR
Seborga Luigino	SBL
Seychelles Rupee	SCR
Sierra Leone Leone	SLL
Singapore Dollar	SGD
Slovak Koruna	SKK
Slovenian Tolar	SIT
Solomon Islands Dollar	SBD
Somali Shilling	SOS
South African Rand	ZAR
South Korean Won	KRW
Spanish Peseta	ESP
Sri Lanka Rupee	LKR
St. Helena Pound	SHP
Sudan Airline Rate	SDA
Sudanese Dinar	SDD
Sudanese Pound	SDP
Surinam Guilder	SRG
Swaziland Lilangeni	SZL
Swedish Krona	SEK

Currency Name	CurrencyCode Value
Swiss Franc	CHF
Syrian Pound	SYP
Tajik Ruble	TJR
Tanzanian Shilling	TZS
Thai Baht	THB
Timor Escudo	TPE
Tongan Pa'anga	TOP
Trinidad and Tobago Dollar	TTD
Tunisian Dinar	TND
Turkish Lira	TRL
Turkmen Manat	TMM
U.S. Dollar	USD
UAE Dirham	AED
Uganda Shilling	UGX
Ukrainian Hryvnia	UAH
Unidad de Valor Constante	ECV
Uruguayan Peso	UYU
US Dollar (Next day)	USN
Uzbekistan Sum	UZS
Vanuatu Vatu	VUV
Venezuelan Bolivar	VEB
Vietnamese Dong	VND

Currency Name	CurrencyCode Value
Yemeni Rial	YER
Yugoslavian New Dinar	YUN
Zambian Kwacha	ZMK
Zimbabwe Dollar	ZWD

Decimal Datatypes

The decimal datatypes are designed to hold decimal data with varying precision and scale. The following types have been defined:

Datatype	Maximum Digits	Digits to Right of Decimal Point	Digits to Left of Decimal Point
Decimal10_4	10	6	4
Decimal12_0	12	12	0
Decimal15_3	15	12	3
Decimal15_4	15	11	4
Decimal16_0	16	16	0
Decimal18_2	18	16	2
Decimal18_3	18	15	3

[Source Code](#): BasicTypes.mod on page 995

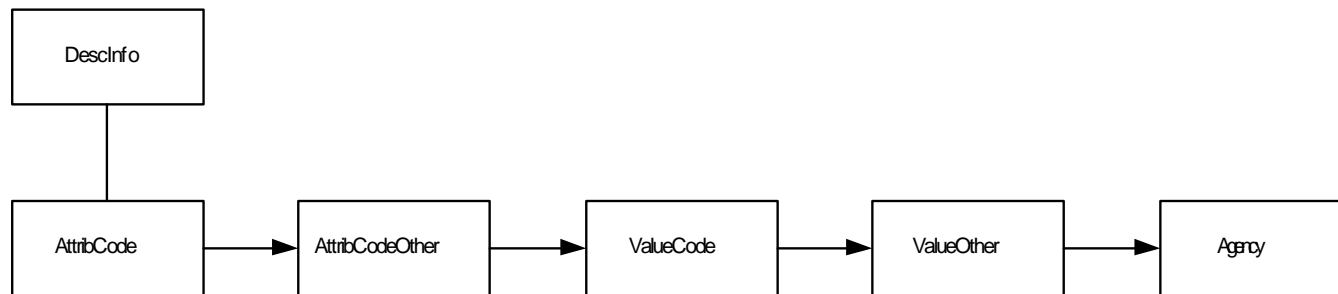
DescInfo

The DescInfo element contains information about a product attribute, such as color or finish. The description is provided either in coded form or in text. DescInfo consists of:

- An `AttribCode` element, which specifies the attribute (Finish, Quality, Color, Grade, Keyword, or Other).
- An optional `AttribCodeOther` element, which specifies the attribute if `AttribCode` has a value of Other.
- An optional `ValueCode` element, which specifies the value (Red, Orange, Yellow, green, Blue, Violet, A, or Other) of the attribute.
- An optional `ValueOther` element, which specifies the value of the attribute if `ValueCode` is Other.
- An optional `Agency` element, which specifies the agency responsible for the codes.

[Source Code](#) DescInfo.mod on page 1033

Structure



Contents

DescInfo

.....AttribCode.....	.....<i>DescInfoAttribCode</i> The attribute that is being described. one of the following values: Finish, Quality, Color, Grade, Keyword, or Other.
.....AttribCodeOther (optional).....	.....The name of the attribute, specified if <code>AttribCode</code> has a value of Other.
.....LangString.....	.....<i>string</i> The name of the attribute.
.....@Lang.....	.....<i>LangCode</i> The ISO code for the language in which the attribute is described.
.....ValueCode (optional).....	.....<i>DescInfoValueCode</i> The value (Red, Orange, Yellow, green, Blue, Violet, A, or Other) with respect to the attribute.
.....ValueOther (optional)	

..... *LangString*.....*string* The name of the attribute.
..... @Lang.....*LangCode* The ISO code for the language in which the value is described.
.....Agency.....The name of the agency responsible for the codes.
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or other) responsible for the codes.
..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

Examples

```
<DescInfo>
  <AttribCode>Color</AttribCode>
  <ValueCode>Red</ValueCode>
</DescInfo>
```

DescInfoAttribCode

The DescInfoAttribCode datatype enumerates the codes used to represent product attributes. These codes are based on EANCOM code set 7081.

[Source Code](#) DescInfo.mod on page 1033

Values

The following DescInfoAttribCode codes have been defined:

- Other
- Finish
- Quality
- Color
- Grade
- Keyword

DescInfoValueCode

The DescInfoValueCode datatype enumerates the codes used to represent a product's value with respect to a particular attribute.

[Source Code](#) DescInfo.mod on page 1033

Values

The following DescInfoValueCode values have been defined:

- Other
- Red
- Orange
- Yellow
- Green
- Blue
- Violet
- A

Description

A Description element contains descriptive text and specifies the ISO code for the language in which it is written. Its one attribute, Lang, specifies the language in which it is written.

[Source Code](#) Description.mod on page 1036

Contents

Description

.....@Lang.....*LangCode* The ISO code for the language in which the description is written.

Examples

```
<Description Lang="EN">Catalog Description</Description>
```

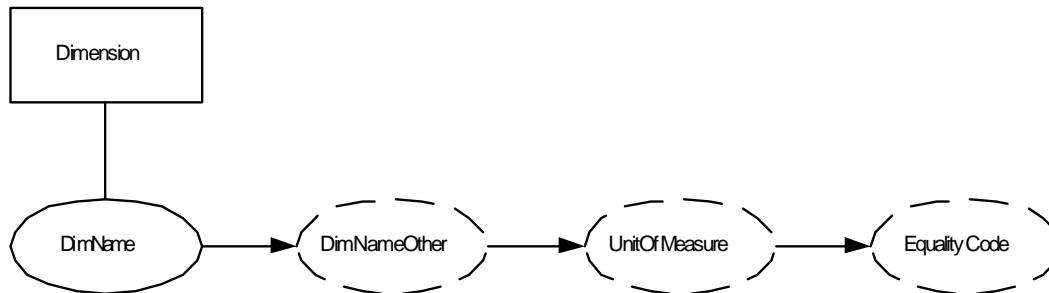
Dimension

A Dimension element contains a measured value and characterizes its relationship (equal to, less than, and so forth) to a specified unit of measurement. In addition to the value, it consists of:

- A DimName attribute, which specifies the name of the dimension.
- An optional DimNameOther attribute, which specifies the dimension name if DimName has a value of Other.
- An optional UnitOfMeasure attribute, which specifies the unit in which the dimension is measured.
- An optional EqualityCode attribute, which specifies the relationship (greater than, less than, or equal to) of the measured value to the supplied value.

[Source Code](#) Dimension.mod on page 1038

Structure



Contents

Dimension

.....@DimName.....	.....<i>DimensionCode</i>	The name of the dimension being measured.
.....@DimNameOther (optional).....	.....<i>string</i>	The name of the dimension, specified if the value of DimName is other.
.....@UnitOfMeasure (optional).....	.....<i>UOMCode</i>	The unit of measurement.
.....@Equality (optional).....	.....<i>EqualityCode</i>	The relationship (greater than, less than, or equal to) of the measured value to the unit of measurement.

Examples

```
<Dimension DimName="CubeMeasureNet">
```

DimensionCode

The DimensionCode datatype enumerates the values that may be used describe an item's dimensions.

Values

The following DimensionCode values have been defined:

DimensionCode Value	Description
ContainerFillWeight	Actual filling weight of a transport container.
ContainerMaxCapacity	Maximum capacity of a transport container.
CubeMeasureGross	The gross measurement cube of an article.
CubeMeasureNet	An indication of the net cubed measurement of a package.
DeclaredNetWeight	The declared net weight of a product or products used for invoicing, customs or transport purposes.
DegreeBRIX	Degree BRIX (EAN Code)
Density	Density
Depth	Depth
Diameter	Diameter
DilutedLiquid	The volume of liquid which results after a dilution agent has been added, e.g. undiluted orange juice of 200ml, after dilution with water the volume of diluted liquid equals 1 litre.
DrainedWeight	A code used to indicate the net weight of a product following the removal of any liquid used in the packaging of that product.
EnergyEfficiency	A measurement of the energy efficiency of an article.
FatContent	A measurement of the fat content of a product.
HeatDissipation	Heat dissipation
Height	Height dimension
Humidity	Humidity

DimensionCode Value	Description
InsideDiameter	A measurement of the inside diameter of a roll, tube, pipe, or circle.
Layers	Number of layers of a product or products within a package, container, pallet, etc.
Length	Length dimension
LoadingHeight	Maximum height of products or packages loaded onto given transportation device or equipment such as a pallet.
OutsideDiameter	A measurement of the outside diameter of a roll, tube, pipe, or circle.
PalletPlaces	The number of pallet places needed to store or transport pallets (can be stacked).
PalletUnits	An indication of the number of units on a loaded pallet. The value associated with this code is calculated by multiplying the number of units per layer by the number of layers on a pallet.
PowerConsumption	Power consumption Value of energy consumption.
PowerFactor	The ration of the power dissipated (active power in kW) to the total power (which is the product of the input volts times amps given in kVa). When equipment which uses reactive power is being operated the power factor will be less than one.
RelativeHumidity	Relative humidity.
SpecificGravity	Specific gravity.
StackingHeight	Maximum height to which the same product or package may be stacked for storage purposes.
StepSize	An indication of measurements in which options contained within a Customer Specific Article are available, e.g. 10 metre planks of wood may be sold in step sizes of 2 metres.
	Tare weight.TareWeight
Temperature	A measurement in relation to temperature.
TempOperating	Operative temperature Temperature identified system or process works according to specifications.
Thickness	Thickness
UnitsPerLayer	Number of units of a product or package within one layer of a package, container, pallet, etc.
UnitsPerPackage	The number of identified units per package.

DimensionCode Value	Description
Voltage	Voltage
Volume	Volume The amount of air space taken up by the entity identified in the 6311 qualifier.
VolumeGross	The observed volume unadjusted for factors such as temperature or gravity.
VolumeNet	Net volume The observed volume after adjustment for factors such as temperature or gravity.
WasteContent	Waste content
WaterContent	Water content in product.
Weight	Weight of unit
WeightGross	Weight (mass) of goods including packing but excluding the carrier's equipment.
WeightItemGross	Item gross weight Gross weight at line item level.
WeightNetNet	Net net weight Weight (mass) of the goods without any packing.

[SourceCode](#) DimensionCode.mod on page 1041

DocumentCode

The DocumentCode datatype enumerates the values that may be used to specify document names. This corresponds to EANCOM code set 1001.

Values

The following DocumentCode values have been defined:

DocumentCode Value	Description	EANCOM Code
Other	The document name is not included in this list of values.	
CertOfAnalysis	Certificate of analysis	
CertOfConformity	Certificate of conformity	
CertOfQuality	Certificate of quality	
CertOfOrigin	Certificate of origin	
Order	Order	220
BlanketOrder	Blanket order	221
RushOrder	Rush order	224
CallOffOrder	Call off order	226
ManufRaisedOrder	Manufacturer raised order (EAN Code)	22E
StandingOrder	Standing order	23B
DeliveryOrder	Delivery order	640
OrderToDispatch	Order to dispatch (ANA code)	S20
OrderToMove	Order to move (ANA code)	S21
OrderToProduce	Order to produce (ANA code)	S22
OrderToProcess	Order to process (ANA code)	S23
OrderToTreat	Order to treat (ANA code)	S24

[SourceCode](#) DocumentCode.mod on page 1045

EqualityCode

The EqualityCode datatype enumerates the values that may be used to describe the relationship between one measured value and another.

Values

The following EqualityCode values have been defined:

EqualityCode Value	Meaning
EQ	Equal to
GT	Greater than
GE	Greater than or equal to
LT	Less than
LE	Less than or equal to
Approx	Approximately equal to

[Source Code](#) EqualityCode.mod on page 1047

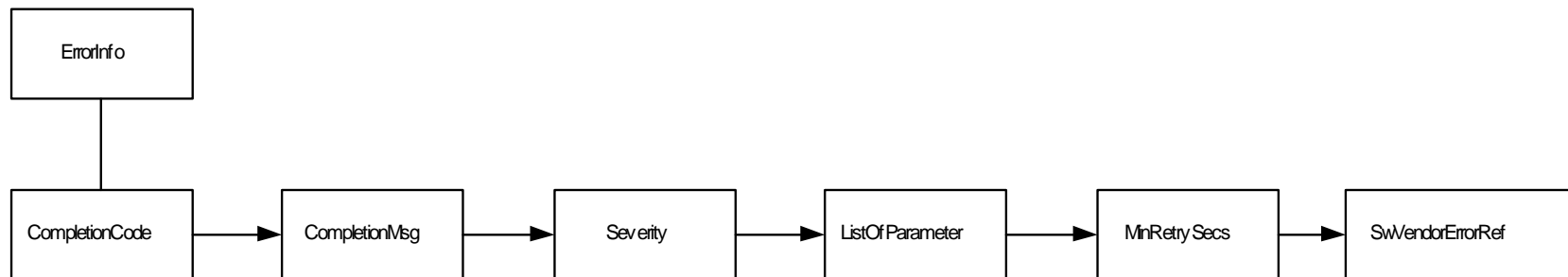
ErrorInfo

The ErrorInfo element contains information about errors that occur as a result of processing a field with an invalid value. It consists of:

- A CompletionCode element, which specifies the error code.
- A CompletionMsg element, which contains the error message.
- A Severity element, which specifies the severity (Informational, Warning, Diagnostic, Transient, Error, or Other) of the error.
- An optional listOfParameter element, which contains one or more parameters that specify additional information about the error.
- An optional MinRetrySecs element, which specifies the number of seconds that a caller must wait before sending a request to retry a transaction with a transient error.
- An optional SwVendorErrorRef element, which contains information that helps locate the software code that generated the error.

[Source Code](#) ErrorInfo.mod on page 1048

Structure



Contents

ErrorInfo

.....CompletionCode.....	.....string	The error code.
.....CompletionMsg		
.....LangString.....	.....string	The error message.
.....@Lang.....	.....LangCode	The ISO code for the language in which the message is written.
.....Severity.....	.....SeverityCode	The severity of the error. one of the following values: Informational, Warning, Diagnostic, Transient, Error, Warning, or Other.

.....ListOfParameter (optional).....One or more parameters specifying additional information about the error.
.....MinRetrySecs (optional).....*int* The number of seconds a caller must wait before sending a retry request.
.....SwVendorErrorRef (optional).....*string* The location of the code that generated the error.

Examples

```
<ErrorInfo>  
  <CompletionCode>...</>  
  <CompletionMsg Lang="fr">...</>  
  <Severity>Warning</>  
  <ListOfParameter>34, 5, 000, 2/34, 100</>  
  <MinRetrySecs>30</>  
  <SwVendorErrorRef>string of text</>  
</ErrorInfo>
```

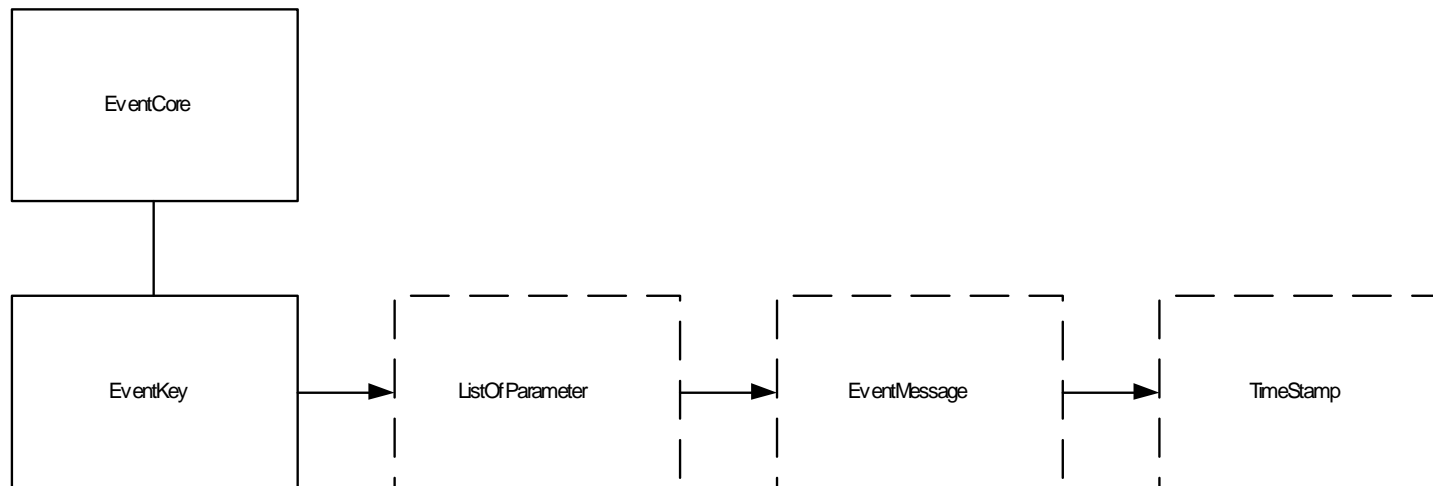
EventCore

The EventCore element contains return codes and error information. It consists of:

- An EventKey element, which contains the return code that indicates the success or failure of the operation.
- An optional ListOfParameter element, which consists of one or more parameters to be passed to the client for use in reconstructing the event.
- An optional ErrorMessage element, which includes the default error message for the event.
- An optional TimeStamp element, which specifies the time the event occurred.

[Source Code](#) EventCore.mod on page 1052

Structure



Contents

EventCore

.....EventKey.....*string* The return code for the event.

.....ListOfParameter (optional).....One or more parameters providing additional information about the event.

Repeating element Parameter

.....Parameter.....*string* A parameter associated with the event.

End of repeating element Parameter

.....ErrorMessage (optional)*string* The default error message for the event.
.....Timestamp (optional)*datetime* The date and time that the event occurred.

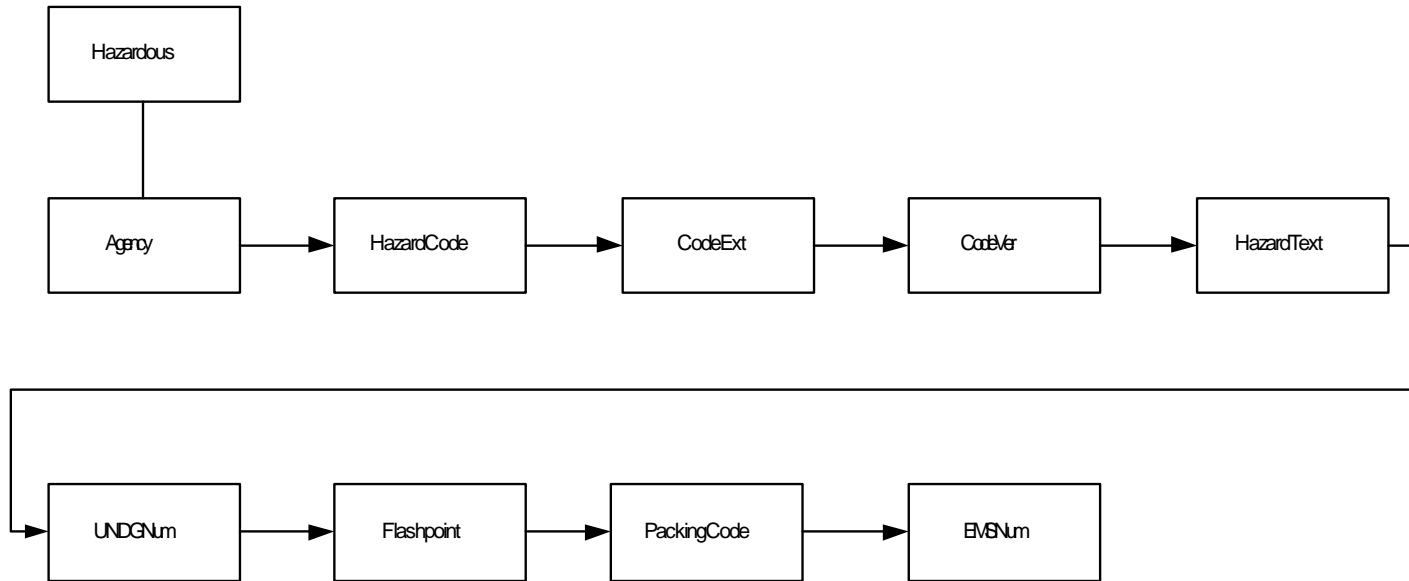
Hazardous

The Hazardous element contains information about hazardous goods. It consists of the following:

- An Agency element, which identifies the agency that codified the hazard.
- An optional HazardCode element, which contains the code for the hazard.
- An optional CodeExt element, which contains an extension of the hazard code.
- An optional CodeVer element, which contains the version number of the hazard code.
- An optional HazardText element, which contains descriptions of the hazard in one or more languages.
- An optional UNDGNum element, which contains the United Nations Dangerous Goods code for the hazard.
- An optional Flashpoint element, which specifies the lowest temperature, in degrees Centigrade, at which vapor from an inflammable liquid will form an ignitable mixture with air.
- An optional PackingCode element, which specifies the IATA/IMDB/ADR/RID packing criteria for hazardous materials (Not Specified, GreatDanger, MediumDanger, or MinorDanger).
- An optional EMSNum element, which specifies emergency procedures for ships carrying dangerous goods.

[Source Code](#) Hazardous.mod on page 1055

Structure



Contents

Hazardous

.....Agency (optional)	
..... @AgencyID.....	<i>AgencyCode</i> The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that codified the hazard.
..... @AgencyOther.....	<i>string</i> The agency, specified when AgencyID has a value of "Other."
.....HazardCode (optional).....	<i>string</i> The coded identifier for the hazard.
.....CodeExt (optional).....	<i>string</i> An optional extension that further qualifies the hazard code.
.....CodeVer (optional).....	<i>string</i> The version number of the hazard code.
.....HazardText (optional).....	Descriptions of the hazard in one or more languages.
..... ListOfLangString.....	The text of the descriptions.
	Repeating element LangString
..... LangString.....	A description of the hazard.
..... @Lang.....	<i>LangCode</i> The ISO code for the language in which the description is written.
	End of repeating element LangString

.....UNDGNum (optional).....*int* The United nations Dangerous Goods Code for the hazard.

.....Flashpoint (optional).....*Decimal8_2* The lowest temperature, in degrees centigrade, at which vapor from the substance combines with air to form an ignitable mixture.

.....PackingCode (optional).....*HazardPackingCode* Packing criteria for the substance as assigned by IATA/IMDB/ADR/RID. one of the following values: Not Specified, Great Danger, Medium Danger, or Minor Danger.

.....EMSNum (optional).....*string* Emergency procedures for ships carrying the goods.

.....TremCardNum (optional).....*string* Medical first aid guide.

Examples

```
<Hazardous>
  <Agency AgencyID="AssignedBySupplier"/>
  <HazardCode>...</>
  <CodeExt>...</>
  <CodeVer>...</>
  <HazardText><LangString Lang="en">..</></> Use the values of LangCode
                                     for Lang in LangString.

  <UNDGNum>...</>
  <Flashpoint>...</> Value is from Decimal8_2
  <PackingCode>...</>
  <EMSNum>...</>
  <TremCardNum>...</>
</Harardous>
```

HazardPackingCode

The HazardPackingCode datatype enumerates the codes used to represent IATA/IMDB/ADR/RID packing criteria for hazardous materials. These codes are based on EANCOM code list 8339.

[Source Code](#) Hazardous.mod on page 1055

Values

The following HazardPackingCode values have been defined:

- Not Specified
- Great Danger
- Medium Danger
- Minor Danger

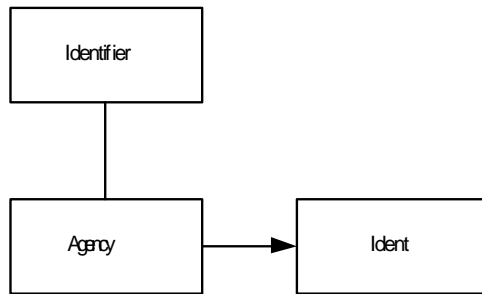
Identifier

The Identifier element contains an ID and specifies the agency responsible for assigning the ID. it consists of:

- An Agency element, which specifies the agency responsible for maintaining the identifiers.
- An Ident element, which contains the coded identifier.

[Source Code](#) Identifier.mod on page 1058

Structure



Contents

Identifier

.....Agency

..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

Examples

```
<?xml version="1.0"?>
```

```
<?soxtype urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0?>
```

```
<Identifier>
```

```
  <Agency AgencyID="ANSI"/>
```

```
  <Ident>Identifying Information</Ident>
```

```
</Identifier>
```

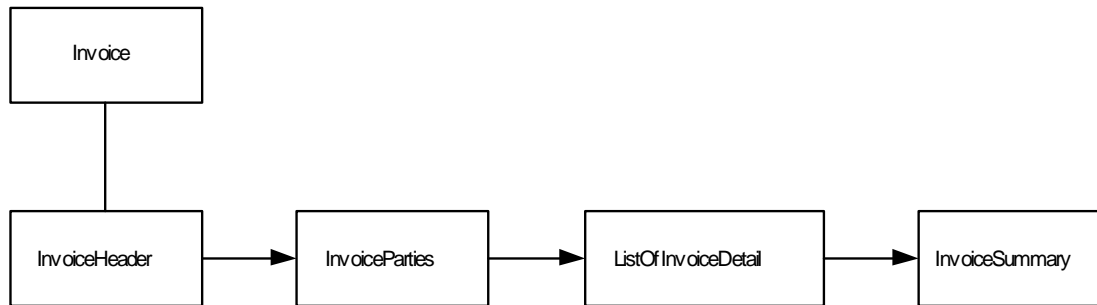

Invoice

The Invoice element contains an invoice. It consists of:

- An InvoiceHeader element, which contains dates, contract, price list, catalog, and order numbers and other information that applies to the entire invoice.
- An InvoiceParties element, which supplies name and address information for the buyer, the supplier, and other parties related to the invoice.
- A ListOfInvoiceDetail element, which provides details about one or more line items.
- An InvoiceSummary element, which contains the invoice subtotal, tax, and total.

[Source Code](#) Invoice.sox on page 1060

Structure



Contents

Invoice

.....InvoiceHeader

..... InvoiceDate.....*date* The date the invoice was generated.

..... DeliveryDate (optional).....*date* The delivery date for the invoiced items.

..... TaxPointDate (optional).....*date* The date to be used for taxation purposes.

..... ContractNumber (optional).....*string* The contract on which the invoice is based.

..... PriceListNumber (optional).....*string* The price list on which the invoice is based.

..... PriceListVersionNumber (optional).....*string* The version number of the applicable price list.

..... BuyersCatalogNumber (optional).....*string* The number of the buyer's catalog.

..... SupplierOrderNumber (optional).....*string* The buyer's order number.

..... InvoiceCurrency (optional)..... *CurrencyCode* The ISO code for the currency in which monetary amounts are expressed.

..... InvoiceParties

..... Buyer

..... NameAddress

..... Identifier (optional)

..... Agency

..... @AgencyID..... *AgencyCode* The agency responsible for issuing part numbers.

..... @AgencyOther..... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... Name1..... *string* The first line of the name.

..... Name2 (optional)..... *string* The second line of the name.

..... Name3 (optional)..... *string* The third line of the name.

..... Address1..... *string* The first line of the street address.

..... Address2 (optional)..... *string* The second line of the street address.

..... Address3 (optional)..... *string* The third line of the street address.

..... Address4 (optional)..... *string* The fourth line of the street address.

..... Address5 (optional)..... *string* The fifth line of the street address.

..... City..... *string* The city.

..... StateOrProvince..... *string* The state or province.

..... PostalCode..... *string* The zip or postal code.

..... Country..... *CountryCode* The two-character country code.

..... Supplier

..... NameAddress

..... Identifier (optional)

..... Agency

..... @AgencyID..... *AgencyCode* The agency responsible for issuing part numbers.

..... @AgencyOther..... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... Name1..... *string* The first line of the name.

..... Name2 (optional)..... *string* The second line of the name.

..... Name3 (optional)..... *string* The third line of the name.

..... Address1..... *string* The first line of the street address.

..... Address2 (optional)..... *string* The second line of the street address.

..... Address3 (optional)..... *string* The third line of the street address.

..... Address4 (optional)..... *string* The fourth line of the street address.

..... Address5 (optional)..... *string* The fifth line of the street address.

..... City..... *string* The city.

..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
..... CarrierInfo (optional)
..... NameAddress
..... Identifier (optional)
..... Agency
.....@AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.
.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
..... ShipFrom (optional)
..... NameAddress
..... Identifier (optional)
..... Agency
.....@AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.
.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.

..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
..... ShipTo (optional)
..... NameAddress
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
..... DeliveryParty (optional)
..... NameAddress
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.

..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
..... Invoicee (optional)
..... NameAddress
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
..... Payee (optional)
..... NameAddress
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.

..... Address4 (optional).....*string* The fourth line of the street address.
 Address5 (optional).....*string* The fifth line of the street address.
 City.....*string* The city.
 StateOrProvince.....*string* The state or province.
 PostalCode.....*string* The zip or postal code.
 Country.....*CountryCode* The two-character country code.

.....ListOfInvoiceDetail

Repeating element InvoiceDetail

..... InvoiceDetail

..... BaseItemDetail

..... LineItemNum.....The line number on which the item appears in the order.

..... SubLineItemNum (optional).....

..... SupplierPartNum (optional).....The supplier's part number for this item.

..... PartNum

.....Agency.....The agency that assigned the supplier's part number.

..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... BuyerPartNum (optional).....The buyer's part number for this item.

..... PartNum

.....Agency.....The agency that assigned the buyer's part number.

..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... ManufacturerPartNum (optional)

..... PartNum

.....Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part number.

..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... CommodityCode (optional).....*string* The item's commodity code.
..... ItemDescription (optional).....*string* A description of the item.
..... Quantity (optional)
..... Qty.....*Decimal15_3* The total quantity of the item that was ordered.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... MaxBackOrderQuantity (optional)
..... Quantity
..... Qty.....*Decimal15_3* The maximum acceptable backordered quantity for this item.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... FinalRecipient (optional)
..... Party
..... @PartyID
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....ListOfIdentifier (optional)
 Repeating element Identifier
..... Identifier
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
..... @AgencyOther.....*string* The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."
..... Ident
 End of repeating element Identifier
.....NameAddress (optional)
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.

.....Address3 (optional).....*string* The third line of the street address.
.....Address4 (optional).....*string* The fourth line of the street address.
.....Address5 (optional).....*string* The fifth line of the street address.
.....City.....*string* The city.
.....StateOrProvince.....*string* The state or province.
.....PostalCode.....*string* The zip or postal code.
.....Country.....*CountryCode* The two-character country code.
.....OrderContact (optional)
.....Contact
..... Identifier (optional).....The order contact's identification number.
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification
number.
..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value
of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....ReceivingContact (optional)
.....Contact
..... Identifier (optional).....The receiving contact's identification number.
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value
of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....ShippingContact (optional)
.....Contact
..... Identifier (optional)
..... Agency

..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.

..... @AgencyOther..... *string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

..... OtherContacts (optional)

..... ListOfContactCoded

Repeating element ContactCoded

..... ContactCoded

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID..... *AgencyCode* The agency responsible for issuing part numbers.

..... @AgencyOther..... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

..... ContactFunctionCode..... *ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact

End of repeating element ContactCoded

..... Transport (optional)

..... @Direction..... *TransitDirection* The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).

..... Mode (optional)..... *TransportMode* The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.

..... TransportModeOther (optional)..... *string* A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.

..... Mean (optional)..... *TransportMean* The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.

..... TransportMeanOther (optional)..... *string* 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.

..... Carrier (optional)..... *CarrierCode* The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other

..... CarrierOther (optional)..... *string* The name of the carrier, specified if the value of Carrier is Other.

..... CustShippingContractNum (optional)..... *string* The 1 to 35 character shipping contract number.

..... ShippingInstruction (optional)..... *string* Brief (up to 256 characters) shipping instructions.

..... OffCatalogFlag..... *Boolean* True if the item appears in the product catalog; false if it does not

..... SpecialCond (optional)

..... CondCode..... *SpecialCondCode* The special condition to which the item is subject. One of the following values: SubjectToBonus, SubjectToCommission, PriceIncludesExcise, PriceIncludesTax, SubjectToExportRestrictions, PromotionalPrice, Service, Loan, Rental, Processing, Exchange, Return, or Other.

..... CondCodeOther (optional)..... *string* The special condition to which the item is subject, specified if the value of CondCode is Other.

..... InvoiceUnitPrice..... *Decimal18_3* The unit price for the item.

..... LineItemSubTotal (optional)..... *Decimal18_3* The subtotal for the line item.

..... Tax (optional)

..... @FuncQual..... *TaxFuncQual* The function of the tax. One of the following values: CustomsDuty or Tax. Default value is Tax.

..... @Category..... *TaxCategory* The type of tax. one of the following values: Mixed, Exempt, Standard, freeExportItem, Zero, or Other. The default value is Standard.

..... @Type..... *TaxType* The type of tax. one of the following values: GST or VAT. The default value is GST.

..... TaxPercent..... *Decimal10_4* The rate of taxation, expressed as a percentage.

..... Location..... *string* The location of the taxing entity.

..... TaxId (optional)..... *string* The tax identification number.

..... TaxAmount..... *Decimal18_3* The amount of the tax.

..... TaxableAmount..... *Decimal18_3* The amount subject to taxation.

End of repeating element InvoiceDetail

..... InvoiceSummary

..... SubTotal..... *Decimal18_3* The total amount of the invoice before taxes.

..... Tax..... Tax to which the invoice is subject.

..... @FuncQual..... *TaxFuncQual* The function of the tax. One of the following values: CustomsDuty or Tax. Default value is Tax.

..... @Category..... *TaxCategory* The type of tax. One of the following values: Mixed, Exempt, Standard, freeExportItem, Zero, or Other. The default value is Standard.

..... @Type.....*TaxType* The type of tax. one of the following values: GST or VAT. The default value is GST.

..... TaxPercent.....*Decimal10_4* The rate of taxation, expressed as a percentage.

..... Location.....*string* The location of the taxing entity.

..... TaxId (optional).....*Decimal18_3* The amount of the tax.

..... TaxableAmount.....*Decimal18_3* The amount subject to taxation.

..... Total.....*Decimal18_3* The total amount of the invoice.

Examples

```
<?soxtype Invoice urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0?>
```

```
<!-- invoice1.xml is an example of a simple invoice for 10 sets of -->
```

```
<!-- brake pads 12 cases of 20-50 motor oil -->
```

```
<!-- all the fields in this invoice are required by Invoice.sox -->
```

```
<Invoice>
```

```
  <!-- InvoiceHeader contains general information about that applies -->
```

```
  <!-- to the entire invoice -->
```

```
  <InvoiceHeader>
```

```
    <InvoiceDate>19990517</InvoiceDate> <!-- May 17th, 1999 -->
```

```
    <ContractNumber>ABC124</ContractNumber>
```

```
    <PriceListNumber> 5 </PriceListNumber>
```

```
    <PriceListVersionNumber>1.2</PriceListVersionNumber>
```

```
    <BuyersCatalogNumber>56</BuyersCatalogNumber>
```

```
    <!-- this number was generated by the Suppliers systems -->
```

```
    <SupplierOrderNumber>az152</SupplierOrderNumber>
```

```
    <!-- BuyerOrderNumber is a number generated by the Buyer -->
```

```
    <!-- it is the Buyers Purchase Order number -->
```

```
    <BuyerOrderNumber> 12_df_1567 </BuyerOrderNumber>
```

```
    <!-- Currency is not normally in InvoiceHeader -->
```

```
    <!-- the invoice is always in a single currency -->
```

```
    <InvoiceCurrency>USD</InvoiceCurrency>
```

```
  </InvoiceHeader>
```

<!-- InvoiceParties contains names and address of parties and -->
<!-- their functions -->

```
<InvoiceParties>
  <Buyer>
    <NameAddress>
      <Name1>Ralph's Automotive Parts</Name1>
      <Address1>10 Main St.</Address1>
      <City>Boulder Creek</City>
      <StateOrProvince>California</StateOrProvince>
      <PostalCode>96005</PostalCode>
      <Country>US</Country>
    </NameAddress>
  </Buyer>
  <Supplier>
    <NameAddress>
      <Name1>ABC Wholesale</Name1>
      <Address1>1222 Industrial Park way</Address1>
      <City>South San Francisco</City>
      <StateOrProvince>California</StateOrProvince>
      <PostalCode>96045</PostalCode>
      <Country>US</Country>
    </NameAddress>
  </Supplier>
</InvoiceParties>
```

<!-- ListOfInvoiceDetail has the actual line items -->
<ListOfInvoiceDetail>
<!-- this is the first line. It is for 10 sets of brake pads -->

```
<InvoiceDetail>
  <BaseItemDetail>
    <!-- The original line number in the purchase -->
    <!-- order was 1 -->
    <LineItemNum>1</LineItemNum>
    <SupplierPartNum>
      <PartNum>
        <Agency AgencyID="AssignedBySupplier"/>
        <PartID>SKU123</PartID>
      </PartNum>
    </SupplierPartNum>
```

```

    <Quantity>
      <Qty>10</Qty>
      <UnitOfMeasure>EA</UnitOfMeasure>
    </Quantity>
  </BaseItemDetail>
  <InvoiceUnitPrice>13.95</InvoiceUnitPrice>

</InvoiceDetail>

<!-- this is the second line. It is for 12 cases of -->
<!-- 20-50 motor oil. -->
<InvoiceDetail>
  <BaseItemDetail>
    <!-- The original line number in the purchase -->
    <!-- order was 10 -->
    <LineItemNum>10</LineItemNum>
    <SupplierPartNum>
      <PartNum>
        <Agency AgencyID="AssignedBySupplier"/>
        <PartID>SKUABC</PartID>
      </PartNum>
    </SupplierPartNum>
    <ItemDescription>
      12 cases of motor oil. each case contains 24, 1
      quart bottles
    </ItemDescription>
    <Quantity>
      <Qty>12</Qty>
      <UnitOfMeasure>EA</UnitOfMeasure>
    </Quantity>
  </BaseItemDetail>
  <InvoiceUnitPrice>15.75</InvoiceUnitPrice>
</InvoiceDetail>
</ListOfInvoiceDetail>

<InvoiceSummary>
  <SubTotal>328.50</SubTotal>

  <Tax>

```

<TaxPercent>8.2</TaxPercent>

<Location>Santa Cruz County</Location>

<TaxAmount>26.947</TaxAmount>

<TaxableAmount>328.50</TaxableAmount>

</Tax>

<Total>355.437</Total>

</InvoiceSummary>

</Invoice>

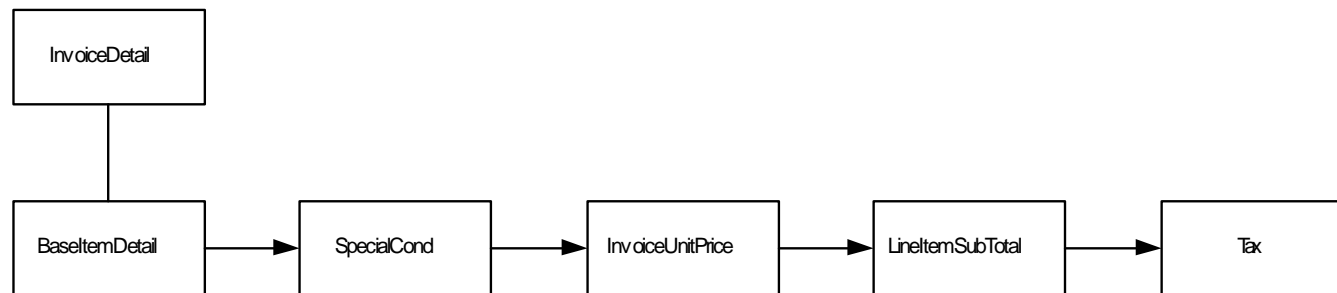
InvoiceDetail

The InvoiceDetail element contains information about a line item in an invoice. It consists of:

- A BaseItemDetail element, which contains identifying information for the line item.
- An optional SpecialCond element, which specifies any special conditions to which the item is subject.
- An InvoiceUnitPrice element, which specifies the item's unit price.
- An optional LineItemSubTotal element, which contains the subtotal for the line item.
- An optional Tax element, which contains the total tax calculated for the line item.

[Source Code](#) InvoiceDetail.mod on page 1061

Structure



Contents

InvoiceDetail

.....BaseItemDetail	
..... LineItemNum.....	The line number on which the item appears in the order.
..... SubLineItemNum (optional).....	
..... SupplierPartNum (optional).....	The supplier's part number for this item.
..... PartNum	
..... Agency.....	The agency that assigned the supplier's part number.
..... @AgencyID.....	<i>AgencyCode</i> The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....	<i>string</i> The standards agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... BuyerPartNum (optional).....The buyer's part number for this item.

..... PartNum
..... Agency.....The agency that assigned the buyer's part number.
..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... ManufacturerPartNum (optional)
..... PartNum
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part number.
..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... CommodityCode (optional).....*string* The item's commodity code.
..... ItemDescription (optional).....*string* A description of the item.
..... Quantity (optional)
..... Qty.....*Decimal15_3* The total quantity of the item that was ordered.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

..... MaxBackOrderQuantity (optional)
..... Quantity
..... Qty.....*Decimal15_3* The maximum acceptable backordered quantity for this item.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

..... FinalRecipient (optional)
..... Party
..... @PartyID
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier

..... Agency

..... @AgencyID..... *AgencyCode* The agency responsible for issuing the identifier.

..... @AgencyOther..... *string* The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."

..... Ident

End of repeating element Identifier

..... NameAddress (optional)

..... Identifier (optional)

..... Agency

..... @AgencyID..... *AgencyCode* The agency responsible for issuing the identifier.

..... @AgencyOther..... *string* The standards agency, specifed when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... Name1..... *string* The first line of the name.

..... Name2 (optional)..... *string* The second line of the name.

..... Name3 (optional)..... *string* The third line of the name.

..... Address1..... *string* The first line of the street address.

..... Address2 (optional)..... *string* The second line of the street address.

..... Address3 (optional)..... *string* The third line of the street address.

..... Address4 (optional)..... *string* The fourth line of the street address.

..... Address5 (optional)..... *string* The fifth line of the street address.

..... City..... *string* The city.

..... StateOrProvince..... *string* The state or province.

..... PostalCode..... *string* The zip or postal code.

..... Country..... *CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

..... Identifier (optional)..... The order contact's identification number.

..... Agency

..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification number.

..... @AgencyOther..... *string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
..... Contact
.....Identifier (optional).....The receiving contact's identification number.
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value
of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value
of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded
Repeating element ContactCoded
..... ContactCoded
.....Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.
Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
Email (optional).....*string* The 1 to 80 character email address.
Fax (optional).....*string* The FAX number.
ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

.....Transport (optional)
@Direction.....*TransitDirection* The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).
Mode (optional).....*TransportMode* The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.
TransportModeOther (optional).....*string* A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.
Mean (optional).....*TransportMean* The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.
TransportMeanOther (optional).....*string* 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.
Carrier (optional).....*CarrierCode* The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other
CarrierOther (optional).....*string* The name of the carrier, specified if the value of Carrier is Other.
CustShippingContractNum (optional).....*string* The 1 to 35 character shipping contract number.
ShippingInstruction (optional).....*string* Brief (up to 256 characters) shipping instructions.
OffCatalogFlag.....*Boolean* True if the item appears in the product catalog; false if it does not

.....SpecialCond (optional)
CondCode.....*SpecialCondCode* The special condition to which the item is subject. One of the following values: SubjectToBonus, SubjectToCommission, PriceIncludesExcise, PriceIncludesTax, SubjectToExportRestrictions, PromotionalPrice, Service, Loan, Rental, Processing, Exchange, Return, or Other.
CondCodeOther (optional).....*string* The special condition to which the item is subject, specified if the value of CondCode is Other.

.....InvoiceUnitPrice.....*Decimal18_3* The unit price for the item.
LineItemSubTotal (optional).....*Decimal18_3* The subtotal for the line item.
Tax (optional)

..... @FuncQual.....*TaxFuncQual* The function of the tax. One of the following values: CustomsDuty or Tax. Default value is Tax.

..... @Category.....*TaxCategory* The type of tax. one of the following values: Mixed, Exempt, Standard, freeExportItem, Zero, or Other. The default value is Standard.

..... @Type.....*TaxType* The type of tax. one of the following values: GST or VAT. The default value is GST.

..... TaxPercent.....*Decimal10_4* The rate of taxation, expressed as a percentage.

..... Location.....*string* The location of the taxing entity.

..... TaxId (optional).....*string* The tax identification number.

..... TaxAmount.....*Decimal18_3* The amount of the tax.

..... TaxableAmount.....*Decimal18_3* The amount subject to taxation.

Examples

```

<!-- this is the first line. It is for 10 sets of brake pads -->
<InvoiceDetail>
  <BaseItemDetail>
    <!-- The original line number in the purchase -->
    <!-- order was 1 -->
    <LineItemNum>1</LineItemNum>
    <SupplierPartNum>
      <PartNum>
        <Agency AgencyID="AssignedBySupplier"/>
        <PartID>SKU123</PartID>
      </PartNum>
    </SupplierPartNum>
    <Quantity>
      <Qty>10</Qty>
      <UnitOfMeasure>EA</UnitOfMeasure>
    </Quantity>
  </BaseItemDetail>
  <InvoiceUnitPrice>13.95</InvoiceUnitPrice>
</InvoiceDetail>

```

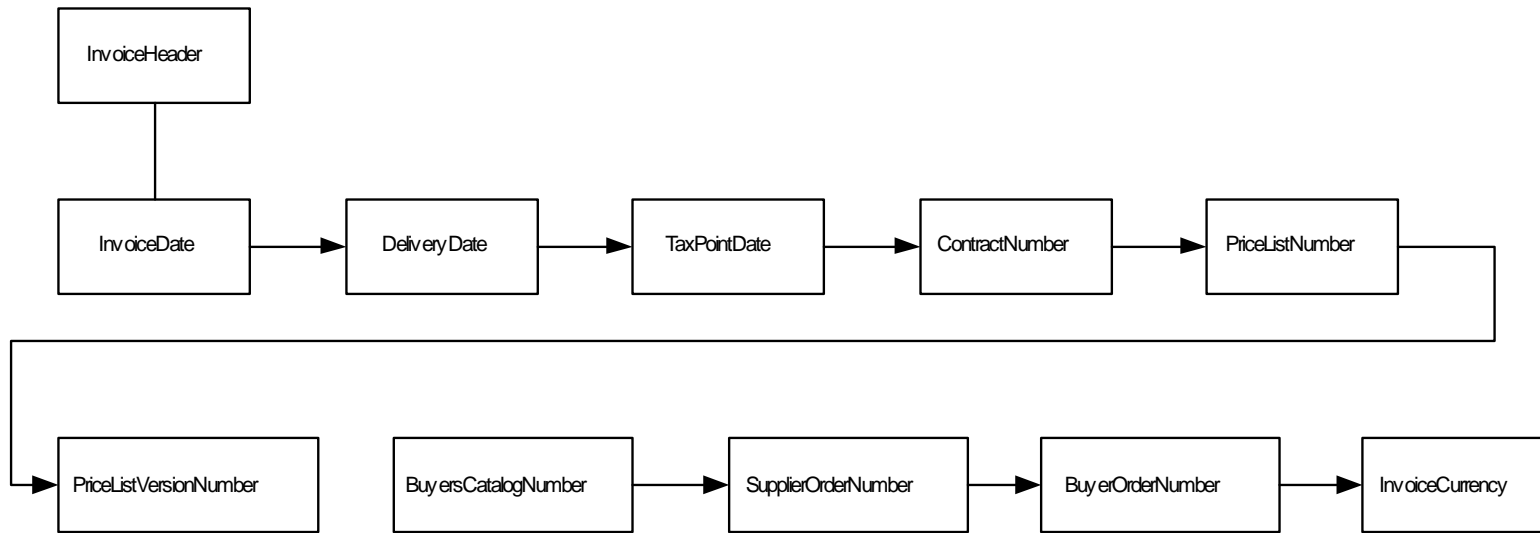
InvoiceHeader

The InvoiceHeader element contains information that relates to the entire invoice. It consists of:

- An InvoiceDate element, which specifies the date the invoice was generated.
- An optional DeliveryDate element, which specifies the delivery date for the items.
- An optional TaxPointDate element, which specifies the date to be used for taxation purposes.
- An optional ContractNumber element, which specifies the contract number.
- An optional PriceListNumber element, which specifies the price list used for the invoice.
- An optional PricelistVersionNumber element, which specifies the version number of the price list.
- An optional BuyersCatalogNumber, which specifies the number of the buyer's catalog.
- An optional SupplierOrderNumber element, which specifies the supplier's order number.
- An optional BuyerOrderNumber element, which specifies the buyer's order number.
- An InvoiceCurrency element, which specifies the currency in which monetary amounts are expressed.

[Source Code](#) InvoiceHeader.mod on page 1063

Structure



Contents

InvoiceHeader

.....InvoiceDate.....	<i>date</i>	The date the invoice was generated.
.....DeliveryDate (optional).....	<i>date</i>	The delivery date for the invoiced items.
.....TaxPointDate (optional).....	<i>date</i>	The date to be used for taxation purposes.
.....ContractNumber (optional).....	<i>string</i>	The contract on which the invoice is based.
.....PriceListNumber (optional).....	<i>string</i>	The price list on which the invoice is based.
.....PriceListVersionNumber (optional).....	<i>string</i>	The version number of the applicable price list.
.....BuyersCatalogNumber (optional).....	<i>string</i>	The number of the buyer's catalog.
.....SupplierOrderNumber (optional).....	<i>string</i>	The buyer's order number.
.....InvoiceCurrency (optional).....	<i>CurrencyCode</i>	The ISO code for the currency in which monetary amounts are expressed.

Examples

```

<!-- InvoiceHeader contains general information about that applies -->
<!-- to the entire invoice -->
<InvoiceHeader>
  <InvoiceDate>19990517</InvoiceDate> <!-- May 17th, 1999 -->

```

```
<ContractNumber>ABC124</ContractNumber>
<PriceListNumber> 5 </PriceListNumber>
<PriceListVersionNumber>1.2</PriceListVersionNumber>

<BuyersCatalogNumber>56</BuyersCatalogNumber>

<!-- this number was generated by the Suppliers systems -->
<SupplierOrderNumber>az152</SupplierOrderNumber>

<!-- BuyerOrderNumber is a number generated by the Buyer -->
<!-- it is the Buyers Purchase Order number -->
<BuyerOrderNumber> 12_df_1567 </BuyerOrderNumber>

<!-- Currency is not normally in InvoiceHeader -->
<!-- the invoice is always in a single currency -->
<InvoiceCurrency>USD</InvoiceCurrency>
</InvoiceHeader>
```

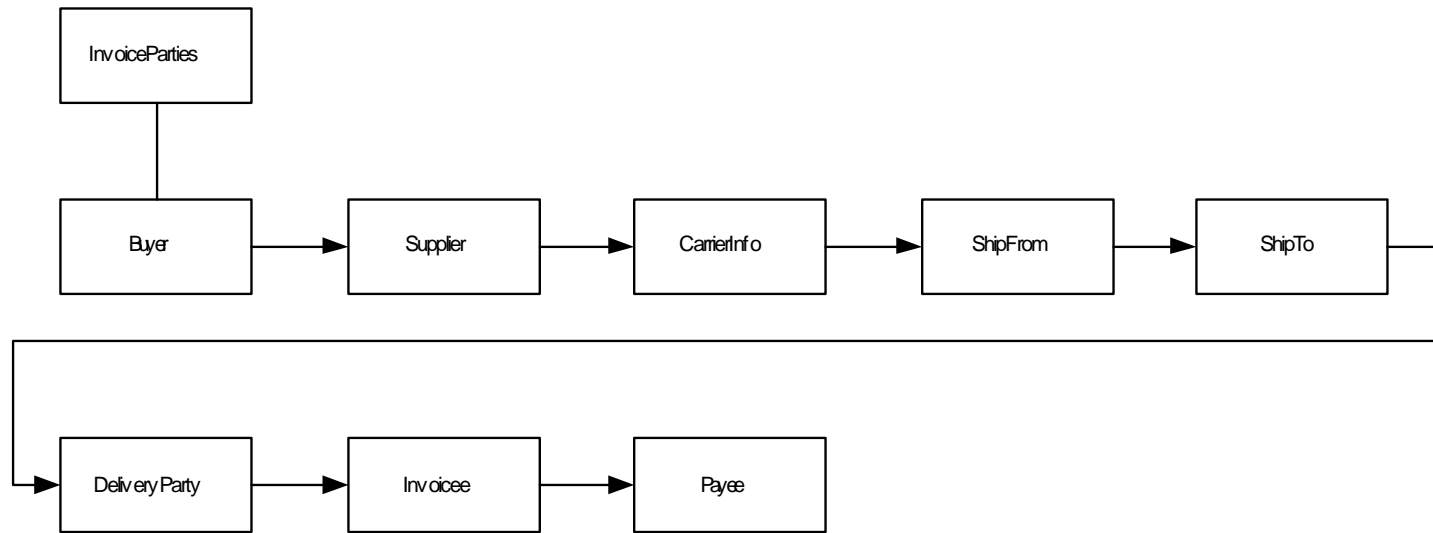
InvoiceParties

The InvoiceParties element contains the names and addresses of individuals and describes their functions with respect to the invoice. It consists of the following elements, each of which is based on the NameAddress element:

- A Buyer element, which specifies the name and address of the buyer
- A Supplier element, which specifies the name and address of the supplier
- An optional CarrierInfo element, which specifies the name and address of the shipping carrier.
- An optional ShipFrom element, which specifies the name and address of the party shipping the goods.
- An optional ShipTo element, which specifies the name and address of the party to which the goods are being shipped.
- An optional DeliveryParty element, which specifies the name and address of party to accept delivery.
- An optional Invoicee element, which specifies the name and address of the party being invoiced.
- An optional Payee element, which specifies the name and address of the party responsible for payment.

[Source Code](#) InvoiceParties.mod on page 1065

Structure



Contents

InvoiceParties

.....Buyer	
.....NameAddress	
.....Identifier (optional)	
.....Agency	
.....@AgencyID.....	<i>AgencyCode</i> The agency responsible for issuing part numbers.
.....@AgencyOther.....	<i>string</i> The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....	<i>string</i> The coded identifier.
.....Name1.....	<i>string</i> The first line of the name.
.....Name2 (optional).....	<i>string</i> The second line of the name.
.....Name3 (optional).....	<i>string</i> The third line of the name.
.....Address1.....	<i>string</i> The first line of the street address.
.....Address2 (optional).....	<i>string</i> The second line of the street address.
.....Address3 (optional).....	<i>string</i> The third line of the street address.

..... Address4 (optional).....*string* The fourth line of the street address.
 Address5 (optional).....*string* The fifth line of the street address.
 City.....*string* The city.
 StateOrProvince.....*string* The state or province.
 PostalCode.....*string* The zip or postal code.
 Country.....*CountryCode* The two-character country code.

.....Supplier

..... NameAddress
 Identifier (optional)
 Agency
 @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.
 @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.
 Name1.....*string* The first line of the name.
 Name2 (optional).....*string* The second line of the name.
 Name3 (optional).....*string* The third line of the name.
 Address1.....*string* The first line of the street address.
 Address2 (optional).....*string* The second line of the street address.
 Address3 (optional).....*string* The third line of the street address.
 Address4 (optional).....*string* The fourth line of the street address.
 Address5 (optional).....*string* The fifth line of the street address.
 City.....*string* The city.
 StateOrProvince.....*string* The state or province.
 PostalCode.....*string* The zip or postal code.
 Country.....*CountryCode* The two-character country code.

.....CarrierInfo (optional)

..... NameAddress
 Identifier (optional)
 Agency
 @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.
 @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.
 Name1.....*string* The first line of the name.
 Name2 (optional).....*string* The second line of the name.
 Name3 (optional).....*string* The third line of the name.
 Address1.....*string* The first line of the street address.

..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
.....ShipFrom (optional)
..... NameAddress
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
.....ShipTo (optional)
..... NameAddress
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.

..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
.....DeliveryParty (optional)
..... NameAddress
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
.....Invoicee (optional)
..... NameAddress
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.

..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
.....Payee (optional)
..... NameAddress
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.

Examples

```
<!-- InvoiceParties contains names and address of parties and -->
<!-- their functions -->
<InvoiceParties>
  <Buyer>
    <NameAddress>
      <Name1>Ralph's Automotive Parts</Name1>
      <Address1>10 Main St.</Address1>
      <City>Boulder Creek</City>
```

```
        <StateOrProvince>California</StateOrProvince>
        <PostalCode>96005</PostalCode>
        <Country>US</Country>
    </NameAddress>
</Buyer>
<Supplier>
    <NameAddress>
        <Name1>ABC Wholesale</Name1>
        <Address1>1222 Industrial Park way</Address1>
        <City>South San Francisco</City>
        <StateOrProvince>California</StateOrProvince>
        <PostalCode>96045</PostalCode>
        <Country>US</Country>
    </NameAddress>
</Supplier>
</InvoiceParties>
```

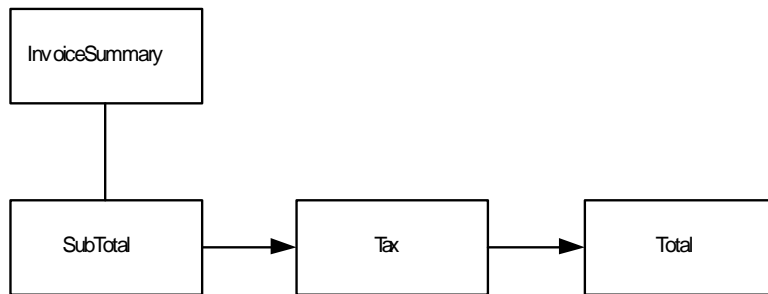
InvoiceSummary

The InvoiceSummary element contains subtotal, tax, and total information for an invoice. It consists of:

- A SubTotal element, which specifies the total amount of the invoice before taxes.
- A Tax element, which contains information about tax levied on the invoice.
- A Total element, which specifies the total amount of the invoice, including tax.

[Source Code](#) InvoiceSummary.mod on page 1067

Structure



Contents

InvoiceSummary

.....SubTotal.....	.....<i>Decimal18_3</i> The total amount of the invoice before taxes.
.....Tax.....	.....Tax to which the invoice is subject.
..... @FuncQual.....	.....<i>TaxFuncQual</i> The function of the tax. One of the following values: CustomsDuty or Tax. Default value is Tax.
..... @Category.....	.....<i>TaxCategory</i> The type of tax. One of the following values: Mixed, Exempt, Standard, freeExportItem, Zero, or Other. The default value is Standard.
..... @Type.....	.....<i>TaxType</i> The type of tax. one of the following values: GST or VAT. The default value is GST.
..... TaxPercent.....	.....<i>Decimal10_4</i> The rate of taxation, expressed as a percentage.
..... Location.....	.....<i>string</i> The location of the taxing entity.
..... TaxId (optional).....	.....<i>string</i> The tax identification number.
..... TaxAmount.....	.....<i>Decimal18_3</i> The amount of the tax.

..... TaxableAmount.....*Decimal18_3* The amount subject to taxation.
.....Total.....*Decimal18_3* The total amount of the invoice.

Examples

```
<InvoiceSummary>  
  <SubTotal>328.50</SubTotal>  
  
  <Tax>  
    <TaxPercent>8.2</TaxPercent>  
    <Location>Santa Cruz County</Location>  
    <TaxAmount>26.947</TaxAmount>  
    <TaxableAmount>328.50</TaxableAmount>  
  </Tax>  
  
  <Total>355.437</Total>  
</InvoiceSummary>
```

ItemNumType

The ItemNumType datatype enumerates the values that may be used to represent EDIFACT Data Element 7143, Item number type, coded.

Values

The following ItemNumType values have been defined:

ItemNumType Value	Description
Other	
EAN	EN=International Article Numbering Association (EAN)
BuyerItemNum	IN=Buyer's item number
UPC	UP=UPC (Universal product code)
SupplierItemNum	SA=Supplier's article number
BuyerPartNum	BP=Buyer's part number
CommerceOne	CommerceOne PartKey

[Source Code](#) CommonDataElement.mod on page 1011

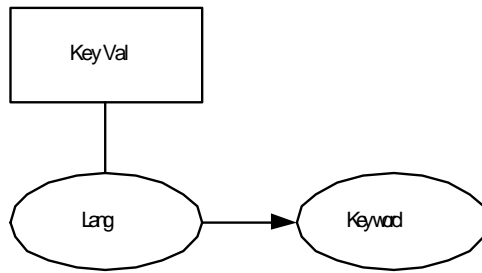
KeyVal

The KeyVal element contains a value with respect to a particular keyword. It includes the following attributes:

- An optional Lang attribute, which specifies the language being used.
- A Keyword attribute, which indicates the keyword whose value is being described.

[Source Code](#) KeyVal.mod on page 1068

Structure



Contents

KeyVal.....	<i>string</i> The value with respect to this keyword.
.....@Lang.....	<i>LangCode</i> The language in which the keyword is written. If not specified, it is assumed that the language is known by context.
.....@Keyword.....	<i>string</i> The keyword.

Examples

```
<KeyVal Keyword="User Level">Professional</KeyVal>
```


LangCode

The LangCode datatype enumerates the codes that may be used to specify language name. The codes are based on ISO 639-1988 "Codes for the Representation of Names of Languages," specified by UN/EDIFACT (D.99B) element 3453, language name code. For more information, visit the UN/CEFACT (UN/ECE) website at <http://www.unece.org/cefact> or the UN/EDIFACT website at <http://www.unece.org/trade/untddid/welcome.htm>.

Values

The following LangCode values have been defined:

LangCode Value	Language Name
aa	Afar
ab	Abkhazian
af	Afrikaans
am	Amharic
ar	Arabic
as	Assamese
ay	Aymara
az	Azerbaijani
ba	Bashkir
be	Byelorussian
bg	Bulgarian
bh	Bihari
bi	Bislama
bn	Bengali; Bangla
bo	Tibetan
br	Breton

LangCode Value	Language Name
ca	Catalan
co	Corsican
cs	Czech
cy	Welsh
da	Danish
de	German
dz	Bhutani
el	Greek
en	English
eo	Esperanto
es	Spanish
et	Estonian
eu	Basque
fa	Persian
fi	Finnish
fj	Fiji
fo	Faroese
fr	French
fy	Frisian
ga	Irish
gd	Scots Gaelic
gl	Galician

LangCode Value	Language Name
gn	Guarani
gu	Gujarati
ha	Hausa
he	Hebrew
hi	Hindi
hr	Croatian
hu	Hungarian
hy	Armenian
ia	Interlingua
id	Indonesian
ie	Interlingue
ik	Inupiak
is	Icelandic
it	Italian
iu	Inuktitut
ja	Japanese
jw	Javanese
ka	Georgian
kk	Kazakh
kl	Greenlandic
km	Cambodian
kn	Kannada

LangCode Value	Language Name
ko	Korean
ks	Kashmiri
ku	Kurdish
ky	Kirghiz
la	Latin
ln	Lingala
lo	Laothian
lt	Lithuanian
lv	Latvian; Lettish
mg	Malagasy
mi	Maori
mk	Macedonian
ml	Malayalam
mn	Mongolian
mo	Moldavian
mr	Marathi
ms	Malay
mt	Maltese
my	Burmese
na	Nauru
ne	Nepali
nl	Dutch

LangCode Value	Language Name
no	Norwegian
oc	Occitan
om	(Afan) Oromo
or	Oriya
pa	Punjabi
pl	Polish
ps	Pashto, Pushto
pt	Portuguese
qu	Quechua
rm	Rhaeto-Romance
rn	Kirundi
ro	Romanian
ru	Russian
rw	Kinyarwanda
sa	Sanskrit
sd	Sindhi
sg	Sangho
sh	Serbo-Croatian
si	Singhalese
sk	Slovak
sl	Slovenian
sm	Samoan

LangCode Value	Language Name
sn	Shona
so	Somali
sq	Albanian
sr	Serbian
ss	Siswati
st	Sesotho
su	Sundanese
sv	Swedish
sw	Swahili
ta	Tamil
te	Telugu
tg	Tajik
th	Thai
ti	Tigrinya
tk	Turkmen
tl	Tagalog
tn	Setswana
to	Tonga
tr	Turkish
ts	Tsonga
tt	Tatar
tw	Twi

LangCode Value	Language Name
ug	Uigur
uk	Ukrainian
ur	Urdu
uz	Uzbek
vi	Vietnamese
vo	Volapuk
wo	Wolof
xh	Xhosa
yi	Yiddish
yo	Yoruba
za	Zhuang
zh	Chinese
zu	Zulu

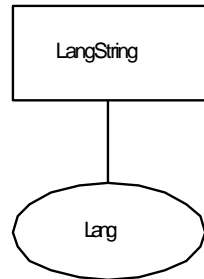
[Source Code](#) LangCode.mod on page 1070

LangString

The LangString element contains a text string. Its Lang attribute specifies the ISO code for the language in which the string is written.

[Source Code](#) LangString.mod on page 1075

Structure



Contents

LangString.....*string* A text string.
.....@Lang.....*LangCode* The ISO code for the language in which the text string is written.

Examples

```
<LangString Lang="EN">A high quality paper product designed for professional printing.  
    </LangString>
```

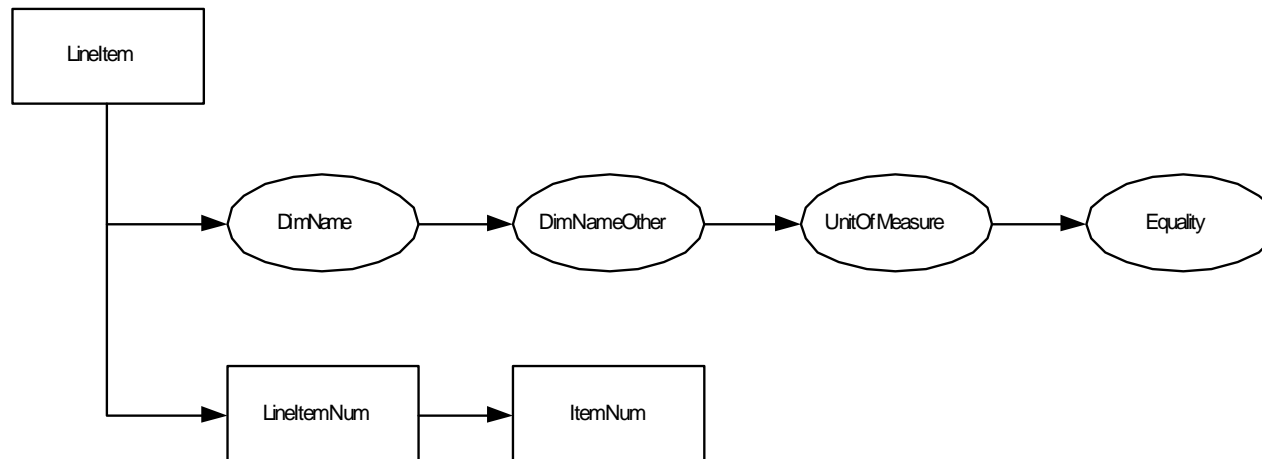

LineItem

The LineItem element contains identifying information about a line item in a ??IS THIS USED IN INVOICE, ORDER, ANYWHERE? it consists of:

- A DimName attribute ARE THESE ATTRIBUTES REALLY PART OF THE ELEMENT?
- A DimNameOther attribute
- A UnitOfMeasure attribute
- An Equality attribute
- A LineItemNum element
- An optional ItemNum element

[Source Code](#) LineItem.mod on page 1077

Structure



Contents

LineItem
.....@DimName

.....@DimNameOther
.....@UnitOfMeasure
.....@Equality
.....LineItemNum
.....ItemNum (optional)

Examples

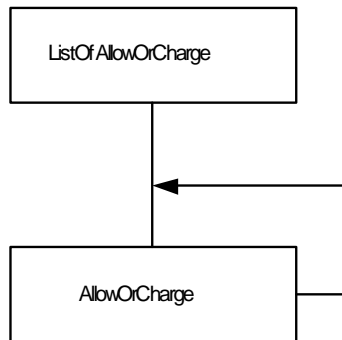
<LineItemNum>1</LineItemNum>

ListOfAllowOrCharge

The ListOfAllowOrCharge element consists of one or more AllowOrCharge elements, each of which describes a discount or tax.

[Source Code](#) AllowOrCharge.mod on page 978

Structure



Contents

ListOfAllowOrCharge

Repeating element AllowOrCharge

.....AllowOrCharge	
..... IsCharge.....	.....<i>Boolean</i> True if the item is a tax, false if it is a discount.
..... Basis.....	.....<i>AllowOrChgBasis</i> The basis (None, Quantity, Percent, Money, or Tax) for the allowance or charge.
..... SeqNo.....	.....<i>int</i> The order in which this allowance or charge is applied, relative to other allowances and charges.
..... Desc	
..... AllowOrChgDesc	
..... RefID (optional).....	.....<i>string</i> The supplier's code number for the charge or allowance.
..... ListOfDescription (optional).....	.....One or more descriptions of the allowance or charge. Each description must be in a different language.

Repeating elementDescription

..... Description.....	.....<i>string</i> A description of the allowance or charge.
..... @Lang.....	.....<i>LangCode</i> The language in which the description is written.

..... ServiceCode.....*AllowOrChgServCode* The service (None, PickUp, COD, or Handling) with which the allowance or charge is associated.

End of repeating element Description

..... StartDate (optional).....*date* The first date that the allowance or charge applies.

..... EndDate (optional).....*date* The last date that the allowance or charge applies.

You may choose one of the following: QuantityRange or MoneyRange

..... QuantityRange (optional).....The quantity range to which the allowance or charge applies.

..... Range

..... Min.....*Decimal18_3* The minimum quantity to which the allowance or charge applies.

..... Max.....*Decimal18_3* The maximum quantity to which the allowance or charge applies.

..... @UnitOfMeasure.....*UOMCode* The unit of measurement in which the minimum and maximum quantities are expressed.

Or

..... MoneyRange (optional).....The monetary amount that must be ordered for the allowance or charge to apply.

..... @Min.....*Decimal18_3* The minimum monetary amount to which the allowance or charge applies.

..... @Max.....*Decimal18_3* The maximum monetary amount to which the allowance or charge applies.

..... @Currency.....*CurrencyCode* The currency in which the minimum and maximum amounts are expressed.

End of choice between QuantityRange and MoneyRange

You MUST choose one of the following: Quantity, Money, Percent, or Tax

..... Quantity

..... Qty.....*Decimal15_3* The quantity of the product supplied free of charge.

..... UnitOfMeasure.....*UOMCode* The unit of measurement in which the quantity is expressed.

Or

..... MoneyThe discount, expressed as a monetary amount.

..... @Currency.....*CurrencyCode* The currency in which the discount is expressed.

Or

..... Percent*Decimal10_4* The discount expressed as a percentage of cost.

Or

..... Tax

..... TaxPercent.....*Decimal10_4* The rate of taxation.

..... Location.....*string* The location of the taxing entity.

..... TaxId (optional).....*string* The tax identification number.

..... TaxAmount.....*Decimal18_3* The monetary amount of the tax.

..... TaxableAmount.....*Decimal18_3* The monetary amount subject to taxation.

..... @FuncQual.....*TaxFuncQual* The function (CustomsDuty or Tax) of the charge. The default value is Tax.

..... @Category.....*TaxCategory* The tax category (Other, Mixed, Exempt, Standard, FreeExportItem, or Zero). The default value is Standard.

..... @Type.....*TaxType* The tax type (GST or VAT). The default value is GST.

End of choice among Quantity, Money, Percent, and Tax
End of repeating element AllowOrCharge

Examples

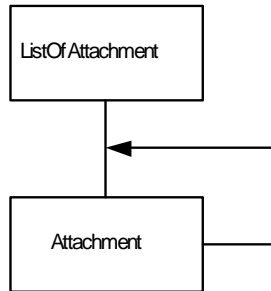
```
<ListOfAllowOrCharge>
  <AllowOrCharge>
    <IsCharge>true</IsCharge>
    <Basis>Quantity</Basis>
    <SeqNo>4</SeqNo>
    <Desc>
      <AllowOrChgDesc>
        <RefID>YY667</RefID>
        <ListOfDescription><Description>60 watt light bulb</Description></ListOfDescription>
        <ServiceCode>PickUp</ServiceCode>
      </AllowOrChgDesc>
    </Desc>
    <QuantityRange Min="1" Max="9" UnitOfMeasure="1A"></QuantityRange>
    <Quantity>
      <Qty>4</Qty>
      <UnitOfMeasure>
        <UOMCode>1A</UOMCode>
      </UnitOfMeasure>
    </Quantity>
  </AllowOrCharge>
</ListOfAllowOrCharge>
```

ListOfAttachment

The ListOfAttachment element consists of one or more Attachment elements, each of which describes a file attachment.

[Source Code](#) Attachment.mod on page 984

Structure



Contents

ListOfAttachment

Repeating element Attachment

.....Attachment

..... Purpose..... *string* 1 to 70 character description of the attachment's function (for example, Blueprint).

..... FileName (optional)..... *string* 1 to 70 character file name of the attachment.

..... Title (optional)..... *string* 1 to 70 character title of the attachment.

..... Language (optional)..... *LangCode* The language in which the attachment is written.

End of repeating element Attachment

Examples

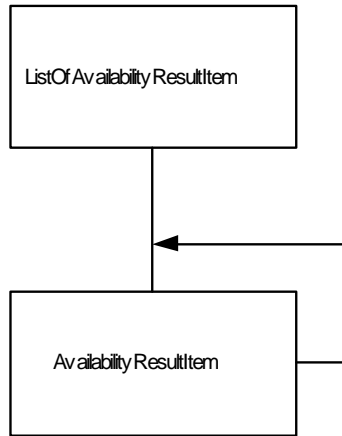
```
<ListOfAttachment>
  <Attachment Attachment="http://www.temporary.com/Pleasantondome.doc" >
    <Purpose>BluePrint</Purpose>
  </Attachment>
</ListOfAttachment>
```

ListOfAvailabilityResultItem

The ListOfAvailabilityResultItem element contains one or more AvailabilityResultItem elements. Each returns the available quantity for one item.

[Source Code](#) AvailabilityCheckResult.sox on page 990

Structure



Contents

ListOfAvailabilityResultItem

Repeating element

.....AvailabilityResultItem

..... QuotedItem

..... BaseItemDetail

..... LineItemNum.....*int* The line number on which the item appears in the order.

..... SubLineItemNum (optional).....*int*

..... SupplierPartNum (optional).....The supplier's part number for this item.

..... PartNum

.....Agency.....The agency that assigned the supplier's part number.

.....@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

.....@AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

.....PartID.....*string* The unique identifier for the part.

.....PartIDExt (optional).....*string* The part number extension.

.....BuyerPartNum (optional).....The buyer's part number for this item.

..... PartNum

.....Agency.....The agency that assigned the buyer's part number.

.....@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

.....@AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

.....PartID.....*string* The unique identifier for the part.

.....PartIDExt (optional).....*string* The part number extension.

..... ManufacturerPartNum (optional)

..... PartNum

.....Agency

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part number.

.....@AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

.....PartID.....*string* The unique identifier for the part.

.....PartIDExt (optional).....*string* The part number extension.

..... CommodityCode (optional).....*string* The item's commodity code.

..... ItemDescription (optional).....*string* A description of the item.

..... Quantity (optional)

..... Qty.....*Decimal15_3* The total quantity of the item that was ordered.

..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

..... MaxBackOrderQuantity (optional)

..... Quantity

..... Qty.....*Decimal15_3* The maximum acceptable backordered quantity for this item.

..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

..... FinalRecipient (optional)

..... Party

.....@PartyID

.....@AgencyID.....*AgencyCode* The agency responsible for issuing part numbers
.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....ListOfIdentifier (optional)
Repeating element
.....Identifier
.....Agency
.....@AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
.....@AgencyOther.....*string* The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."

.....Ident
End of repeating element
.....NameAddress (optional)
.....Identifier (optional)
.....Agency
.....@AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
.....@AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....Name1.....*string* The first line of the name.
.....Name2 (optional).....*string* The second line of the name.
.....Name3 (optional).....*string* The third line of the name.
.....Address1.....*string* The first line of the street address.
.....Address2 (optional).....*string* The second line of the street address.
.....Address3 (optional).....*string* The third line of the street address.
.....Address4 (optional).....*string* The fourth line of the street address.
.....Address5 (optional).....*string* The fifth line of the street address.
.....City.....*string* The city.
.....StateOrProvince.....*string* The state or province.
.....PostalCode.....*string* The zip or postal code.
.....Country.....*CountryCode* The two-character country code.
.....OrderContact (optional)
.....Contact
..... Identifier (optional).....The order contact's identification number.
..... Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification number.
.....@AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....ReceivingContact (optional)
.....Contact
..... Identifier (optional).....The receiving contact's identification number.
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value
of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....ShippingContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value
of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....OtherContacts (optional)
.....ListOfContactCoded
Repeating element
..... ContactCoded
..... Contact
..... Identifier (optional)
.....Agency
.....@AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.

.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
Ident.....*string* The coded identifier.
 ContactName.....*string* The employee or department name.
 Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
 Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
 ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element

..... Transport (optional)
 @Direction.....*TransitDirection* The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).
 Mode (optional).....*TransportMode* The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.
 TransportModeOther (optional).....*string* A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.
 Mean (optional).....*TransportMean* The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.
 TransportMeanOther (optional).....*string* 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.
 Carrier (optional).....*CarrierCode* The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other
 CarrierOther (optional).....*string* The name of the carrier, specified if the value of Carrier is Other.
 CustShippingContractNum (optional).....*string* The 1 to 35 character shipping contract number.
 ShippingInstruction (optional).....*string* Brief (up to 256 characters) shipping instructions.
 OffCatalogFlag.....*Boolean* True if the item appears in the product catalog; false if it does not.
 AvailableQuantity
 Quantity
 Qty.....*Decimal15_3* The quantity of the item.
 UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
 UOMCode.....*UOMCode* The unit of measurement.
 UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
 ErrorInfo
 CompletionCode.....*string* The error code.
 CompletionMsg
 LangString.....*string* The error message.
 @Lang.....*LangCode* The ISO code for the language in which the message is written.

..... Severity.....*SeverityCode* The severity of the error. one of the following values: Informational, Warning, Diagnostic, Transient, Error, Warning, or Other.

..... ListOfParameter (optional).....One or more parameters specifying additional information about the error.

..... MinRetrySecs (optional).....*int* The number of seconds a caller must wait before sending a retry request.

..... SwVendorErrorRef (optional).....*string* The location of the code that generated the error.

End of repeating element

Examples

```

<ListOfAvailabilityResultItem>
  <AvailabilityResultItem>
    <QuotedItem>
      <BaseItemDetail>
        <LineItemNum>1</LineItemNum>
        <SupplierPartNum>
          <PartNum>
            <Agency AgencyID="AssignedBySupplier" />
            <PartID>PK122122</PartID>
          </PartNum>
        </SupplierPartNum>
        <Quantity>
          <Qty>10</Qty>
          <UnitOfMeasure>EA</UnitOfMeasure>
        </Quantity>
      </BaseItemDetail>
    </QuotedItem>
    <AvailableQuantity>
      <Quantity>
        <Qty>10</Qty>
        <UnitOfMeasure>EA</UnitOfMeasure>
      </Quantity>
    </AvailableQuantity>
  </AvailabilityResultItem>

  <AvailabilityResultItem>
    <QuotedItem>
      <BaseItemDetail>
        <LineItemNum>2</LineItemNum>
        <SupplierPartNum>
          <PartNum>

```

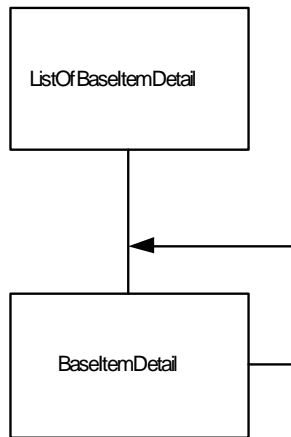
```
        <Agency AgencyID="AssignedBySupplier" />
        <PartID>PK122122</PartID>
        </PartNum>
    </SupplierPartNum>
    <Quantity>
        <Qty>1</Qty>
        <UnitOfMeasure>EA</UnitOfMeasure>
    </Quantity>
</BaseItemDetail>
</QuotedItem>
<AvailableQuantity>
    <Quantity>
        <Qty>1</Qty>
        <UnitOfMeasure>EA</UnitOfMeasure>
    </Quantity>
</AvailableQuantity>
</AvailabilityResultItem>
</ListOfAvailabilityResultItem>
```

ListOfBaseltemDetail

The ListOfBaseltemDetail element contains one or more BaseltemDetail elements.

[Source Code](#) BaseltemDetail.mod on page 993

Structure



Contents

ListOfBaseItemDetail

Repeating element

.....BaseItemDetail	
..... LineItemNum.....	<i>int</i> The line number on which the item appears in the order.
..... SubLineItemNum (optional).....	<i>int</i>
..... SupplierPartNum (optional).....	The supplier's part number for this item.
..... PartNum	
..... Agency.....	The agency that assigned the supplier's part number.
..... @AgencyID.....	<i>AgencyCode</i> The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....	<i>string</i> The standards agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... BuyerPartNum (optional).....The buyer's part number for this item.

..... PartNum
..... Agency.....The agency that assigned the buyer's part number.
..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... ManufacturerPartNum (optional)
..... PartNum
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part number.
..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... CommodityCode (optional).....*string* The item's commodity code.
..... ItemDescription (optional).....*string* A description of the item.
..... Quantity (optional)
..... Qty.....*Decimal15_3* The total quantity of the item that was ordered.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

..... MaxBackOrderQuantity (optional)
..... Quantity
..... Qty.....*Decimal15_3* The maximum acceptable backordered quantity for this item.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

..... FinalRecipient (optional)
..... Party
..... @PartyID
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... ListOfIdentifier (optional)

Repeating element

..... Identifier

..... Agency

..... @AgencyID..... *AgencyCode* The agency responsible for issuing the identifier.

..... @AgencyOther..... *string* The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."

..... Ident

End of repeating element

..... NameAddress (optional)

..... Identifier (optional)

..... Agency

..... @AgencyID..... *AgencyCode* The agency responsible for issuing the identifier.

..... @AgencyOther..... *string* The standards agency, specifed when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... Name1..... *string* The first line of the name.

..... Name2 (optional)..... *string* The second line of the name.

..... Name3 (optional)..... *string* The third line of the name.

..... Address1..... *string* The first line of the street address.

..... Address2 (optional)..... *string* The second line of the street address.

..... Address3 (optional)..... *string* The third line of the street address.

..... Address4 (optional)..... *string* The fourth line of the street address.

..... Address5 (optional)..... *string* The fifth line of the street address.

..... City..... *string* The city.

..... StateOrProvince..... *string* The state or province.

..... PostalCode..... *string* The zip or postal code.

..... Country..... *CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

..... Identifier (optional)..... The order contact's identification number.

..... Agency

..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification number.

..... @AgencyOther..... *string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
..... Contact
.....Identifier (optional).....The receiving contact's identification number.
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value
of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value
of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded
Repeating element
.....ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.
 Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
 Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
 ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element

..... Transport (optional)
 @Direction.....*TransitDirection* The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).
 Mode (optional).....*TransportMode* The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.
 TransportModeOther (optional).....*string* A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.
 Mean (optional).....*TransportMean* The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.
 TransportMeanOther (optional).....*string* 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.
 Carrier (optional).....*CarrierCode* The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other
 CarrierOther (optional).....*string* The name of the carrier, specified if the value of Carrier is Other.
 CustShippingContractNum (optional).....*string* The 1 to 35 character shipping contract number.
 ShippingInstruction (optional).....*string* Brief (up to 256 characters) shipping instructions.
 OffCatalogFlag.....*Boolean* True if the item appears in the product catalog; false if it does not.

End of repeating element

Examples

```
<ListOfBaseItemDetail>
  <BaseItemDetail>
    <LineItemNum>1</LineItemNum>
    <SupplierPartNum>
      <PartNum>
        <Agency AgencyID="AssignedBySupplier" />
        <PartID>PK122122</PartID>
      </PartNum>
    </SupplierPartNum>
    <Quantity>
      <Qty>10</Qty>
    <UnitOfMeasure>EA</UnitOfMeasure>
  </BaseItemDetail>
</ListOfBaseItemDetail>
```

```
</Quantity>
</BaseItemDetail>

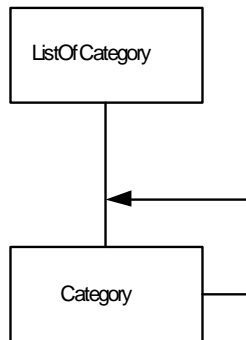
<BaseItemDetail>
  <LineItemNum>2</LineItemNum>
  <SupplierPartNum>
    <PartNum>
      <Agency AgencyID="AssignedBySupplier" />
      <PartID>PK122122</PartID>
    </PartNum>
  </SupplierPartNum>
  <Quantity>
    <Qty>1</Qty>
    <UnitOfMeasure>EA</UnitOfMeasure>
  </Quantity>
</BaseItemDetail>
</ListOfBaseItemDetail>
```

ListOfCategory

The ListOfCategory element contains one or more Category elements.

[Source Code](#) Category.mod on page 1000

Structure



Contents

ListOfCategory

Repeating element

.....Category

..... CategoryID.....*string* The unique identifier for the category.

..... TreeName.....*TreeNameCode* The name of the tree. one of the following values: SupplierTree, BuyerTree, UNSPSC, NIGP, or Other.

..... TreeNameOther (optional).....*string* The name of the tree, specified if TreeName has a value of Other.

..... Agency (optional)

..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.

..... @AgencyOther.....*string* The standards agency responsible for the code lists.

End of repeating element

Examples

<ListOfCategory>

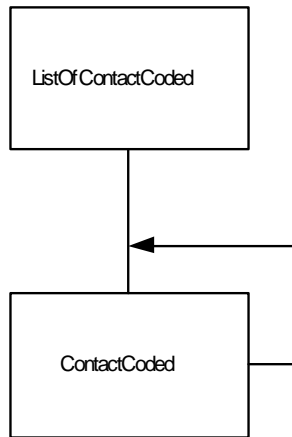
```
<Category>  
  <CategoryID>Printers</CategoryID>  
  <TreeName>SupplierTree</TreeName>  
</Category>  
</ListOfCategory>
```

ListOfContactCoded

The ListofContactCoded element contains one or more ContactCoded elements.

[Source Code](#) Contact.mod on page 1015

Structure



Contents

ListOfContactCoded

Repeating element

.....ContactCoded

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.
..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact,
ReceivingContact, InfoContact, Pur

End of repeating element

Examples

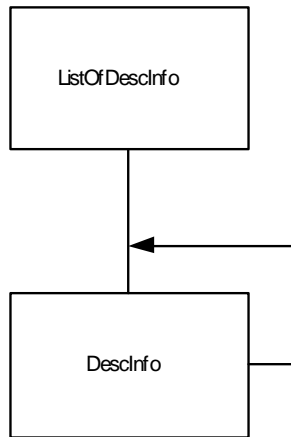
```
<ListOfContactCoded>  
  <ContactCoded>  
    <Identifier>...</>  
    <ContactName>...</>  
    <Telephone>...</>  
    <Email>...</>  
    <Fax>...</>  
    <ContactQual>InfoContact</ContactQual>  
  </ContactCoded>  
</ListOfContactCoded>
```

ListOfDescInfo

The ListOfDescInfo element contains one or more DescInfo elements.

[Source Code](#) DescInfo.mod on page 1033

Structure



Contents

ListOfDescInfo

Repeating element

.....DescInfo

.....AttribCode.....	.....<i>DescInfoAttribCode</i> The attribute that is being described. one of the following values: Finish, Quality, Color, Grade, Keyword, or Other.
.....AttribCodeOther (optional).....	.....The name of the attribute, specified if AttribCode has a value of Other.
.....LangString.....	.....<i>string</i> The name of the attribute.
.....@Lang.....	.....<i>LangCode</i> The ISO code for the language in which the attribute is described.
.....ValueCode (optional).....	.....<i>DescInfoValueCode</i> The value (Red, Orange, Yellow, green, Blue, Violet, A, or Other) with respect to the attribute.
.....ValueOther (optional)	
.....LangString.....	.....<i>string</i> The name of the attribute.
.....@Lang.....	.....<i>LangCode</i> The ISO code for the language in which the value is described.
.....Agency.....	.....The name of the agency responsible for the codes.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other) responsible for the codes.
..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

End of repeating element

Examples

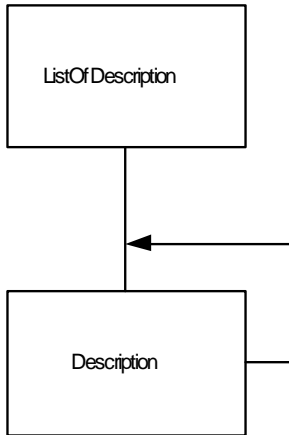
```
<ListOfDescInfo>  
  <DescInfo>  
    <AttribCode>Color</AttribCode>  
    <ValueCode>Red</ValueCode>  
  </DescInfo>  
</ListOfDescInfo>
```

ListOfDescription

The ListOfDescription element contains one or more Description elements.

[Source Code](#) Description.mod on page 1036

Structure



Contents

ListOfDescription

Repeating element

.....Description

..... @Lang..... *LangCode* The ISO code for the language in which the description is written.

End of repeating element

Examples

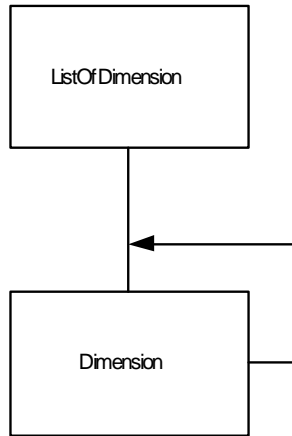
```
<ListOfDescription>
  <Description Lang="EN">Catalog Description</Description>
</ListOfDescription>
```

ListOfDimension

The ListOfDimension element contains one or more Dimension elements.

[Source Code](#) Dimension.mod on page 1038

Structure



Contents

ListOfDimension

Repeating element

.....Dimension

..... @DimName.....*DimensionCode* The name of the dimension being measured.

..... @DimNameOther (optional).....*string* The name of the dimension, specified if the value of DimName is other.

..... @UnitOfMeasure (optional).....*UOMCode* The unit of measurement.

..... @Equality (optional).....*EqualityCode* The relationship (greater than, less than, or equal to) of the measured value to the unit of measurement.

End of repeating element

Examples

```
<ListOfDimension>
```

```
  <Dimension UnitOfMeasure="PG" DimName="ContainerMaxCapacity" Equality="EQ">Full Dimensions Needed
```

```
</Dimension>
```

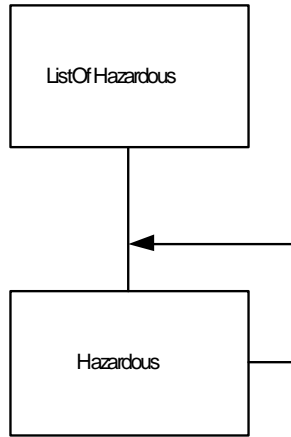
</ListOfDimension>

ListOfHazardous

The ListOfHazardous element contains one or more hazardous elements.

[Source Code](#) Hazardous.mod on page 1055

Structure



Contents

ListOfHazardous

Repeating element

.....Hazardous	
..... Agency (optional)	
..... @AgencyID.....	<i>AgencyCode</i> The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that codified the hazard.
..... @AgencyOther.....	<i>string</i> The agency, specified when AgencyID has a value of "Other."
..... HazardCode (optional).....	<i>string</i> The coded identifier for the hazard.
..... CodeExt (optional).....	<i>string</i> An optional extension that further qualifies the hazard code.
..... CodeVer (optional).....	<i>string</i> The version number of the hazard code.
..... HazardText (optional).....	Descriptions of the hazard in one or more languages.
..... ListOfLangString.....	The text of the descriptions.

Repeating element

..... LangString.....	A description of the hazard.
-----------------------	------------------------------

..... @Lang.....*LangCode* The ISO code for the language in which the description is written.

End of repeating element

.....UNDGNum (optional).....*int* The United nations Dangerous Goods Code for the hazard.

.....Flashpoint (optional).....*Decimal8_2* The lowest temperature, in degrees centigrade, at which vapor from the substance combines with air to form an ignitable mixture.

.....PackingCode (optional).....*HazardPackingCode* Packing criteria for the substance as assigned by IATA/IMDB/ADR/RID. one of the following values: Not Specified, Great Danger, Medium Danger, or Minor Danger.

.....EMSNum (optional).....*string* Emergency procedures for ships carrying the goods.

.....TremCardNum (optional).....*string* Medical first aid guide.

End of repeating element

Examples

```
<ListOfHazardous>
```

```
<Hazardous>
```

```
<Agency AgencyID="AssignedBySupplier"/>
```

```
<HazardCode>...</>
```

```
<CodeExt>...</>
```

```
<CodeVer>...</>
```

```
<HazardText><LangString Lang="en">..</></> Use the values of LangCode  
for Lang in LangString.
```

```
<UNDGNum>...</>
```

```
<Flashpoint>...</> Value is from Decimal8_2
```

```
<PackingCode>...</>
```

```
<EMSNum>...</>
```

```
<TremCardNum>...</>
```

```
</Harardous>
```

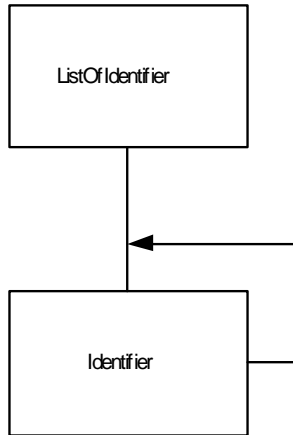
```
</ListOfHazardous>
```

ListOfIdentifier

The ListOfIdentifier element contains one or more Identifier elements.

[Source Code](#) Identifier.mod on page 1058

Structure



Contents

ListOfIdentifier

Repeating element

.....Identifier

..... Agency

..... @AgencyID..... *AgencyCode* The agency responsible for issuing part numbers.

..... @AgencyOther..... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

End of repeating element

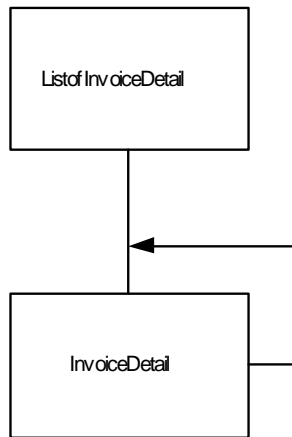
Examples

ListOfInvoiceDetail

the ListOfInvoiceDetail element contains one or more InvoiceDetail elements.

[Source Code](#) InvoiceDetail.mod on page 1061

Structure



Contents

ListOfInvoiceDetail

Repeating element

.....InvoiceDetail	
..... BaseItemDetail	
..... LineItemNum.....	The line number on which the item appears in the order.
..... SubLineItemNum (optional).....	
..... SupplierPartNum (optional).....	The supplier's part number for this item.
..... PartNum	
..... Agency.....	The agency that assigned the supplier's part number.
..... @AgencyID.....	<i>AgencyCode</i> The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....	<i>string</i> The standards agency, specified when AgencyID has a value of "Other."
..... PartID.....	<i>string</i> The unique identifier for the part.
..... PartIDExt (optional).....	<i>string</i> The part number extension.

..... BuyerPartNum (optional).....The buyer's part number for this item.

..... PartNum

..... Agency.....The agency that assigned the buyer's part number.

.....@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

.....@AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... ManufacturerPartNum (optional)

..... PartNum

..... Agency

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part number.

.....@AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... CommodityCode (optional).....*string* The item's commodity code.

..... ItemDescription (optional).....*string* A description of the item.

..... Quantity (optional)

..... Qty.....*Decimal15_3* The total quantity of the item that was ordered.

..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

..... MaxBackOrderQuantity (optional)

..... Quantity

..... Qty.....*Decimal15_3* The maximum acceptable backordered quantity for this item.

..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

..... FinalRecipient (optional)

..... Party

..... @PartyID

..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... ListOfIdentifier (optional)

Repeating element

.....Identifier
.....Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
..... @AgencyOther.....*string* The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."

.....Ident

End of repeating element

..... NameAddress (optional)
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
..... @AgencyOther.....*string* The standards agency, specifed when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
.....Name1.....*string* The first line of the name.
.....Name2 (optional).....*string* The second line of the name.
.....Name3 (optional).....*string* The third line of the name.
.....Address1.....*string* The first line of the street address.
.....Address2 (optional).....*string* The second line of the street address.
.....Address3 (optional).....*string* The third line of the street address.
.....Address4 (optional).....*string* The fourth line of the street address.
.....Address5 (optional).....*string* The fifth line of the street address.
.....City.....*string* The city.
.....StateOrProvince.....*string* The state or province.
.....PostalCode.....*string* The zip or postal code.
.....Country.....*CountryCode* The two-character country code.
.....OrderContact (optional)
.....Contact
..... Identifier (optional).....The order contact's identification number.
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification @number.
..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.

..... ReceivingContact (optional)
.....Contact
.....Identifier (optional).....The receiving contact's identification number.
..... Agency
..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOther.....string The agency that issued the identification number, used when AgencyID has a value
of "Other."
..... Ident.....string The coded identifier.
.....ContactName.....string The employee or department name.
.....Telephone.....string The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....string The 1 to 80 character email address.
.....Fax (optional).....string The FAX number.
..... ShippingContact (optional)
.....Contact
.....Identifier (optional)
..... Agency
..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOther.....string The agency that issued the identification number, used when AgencyID has a value
of "Other."
..... Ident.....string The coded identifier.
.....ContactName.....string The employee or department name.
.....Telephone.....string The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....string The 1 to 80 character email address.
.....Fax (optional).....string The FAX number.
.....OtherContacts (optional)
..... ListOfContactCoded
Repeating element
.....ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
.....@AgencyID.....AgencyCode The agency responsible for issuing part numbers.
.....@AgencyOther... ..string The agency responsible for part numbers, used when AgencyID has a value of
"Other."
.....Ident.....string The coded identifier.
..... ContactName.....string The employee or department name.
..... Telephone.....string The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
 ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element

..... Transport (optional)
 @Direction.....*TransitDirection* The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).
 Mode (optional).....*TransportMode* The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.
 TransportModeOther (optional).....*string* A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.
 Mean (optional).....*TransportMean* The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.
 TransportMeanOther (optional).....*string* 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.
 Carrier (optional).....*CarrierCode* The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other
 CarrierOther (optional).....*string* The name of the carrier, specified if the value of Carrier is Other.
 CustShippingContractNum (optional).....*string* The 1 to 35 character shipping contract number.
 ShippingInstruction (optional).....*string* Brief (up to 256 characters) shipping instructions.
 OffCatalogFlag.....*Boolean* True if the item appears in the product catalog; false if it does not.

.....SpecialCond (optional)
 CondCode.....*SpecialCondCode* The special condition to which the item is subject. One of the following values: SubjectToBonus, SubjectToCommission, PriceIncludesExcise, PriceIncludesTax, SubjectToExportRestrictions, PromotionalPrice, Service, Loan, Rental, Processing, Exchange, Return, or Other.
 CondCodeOther (optional).....*string* The special condition to which the item is subject, specified if the value of CondCode is Other.

.....InvoiceUnitPrice.....*Decimal18_3* The unit price for the item.
LineItemSubTotal (optional).....*Decimal18_3* The subtotal for the line item.
 Tax (optional)
 @FuncQual.....*TaxFuncQual* The function of the tax. One of the following values: CustomsDuty or Tax. Default value is Tax.
 @Category.....*TaxCategory* The type of tax. one of the following values: Mixed, Exempt, Standard, freeExportItem, Zero, or Other. The default value is Standard.

..... @Type.....*TaxType* The type of tax. one of the following values: GST or VAT. The default value is GST.

..... TaxPercent.....*Decimal10_4* The rate of taxation, expressed as a percentage.

..... Location.....*string* The location of the taxing entity.

..... TaxId (optional).....*string* The tax identification number.

..... TaxAmount.....*Decimal18_3* The amount of the tax.

..... TaxableAmount.....*Decimal18_3* The amount subject to taxation.

End of repeating element

Examples

```

<ListOfInvoiceDetail>
  <!-- this is the first line. It is for 10 sets of brake pads -->
  <InvoiceDetail>
    <BaseItemDetail>
      <!-- The original line number in the purchase -->
      <!-- order was 1 -->
      <LineItemNum>1</LineItemNum>
      <SupplierPartNum>
        <PartNum>
          <Agency AgencyID="AssignedBySupplier"/>
          <PartID>SKU123</PartID>
        </PartNum>
      </SupplierPartNum>
      <Quantity>
        <Qty>10</Qty>
        <UnitOfMeasure>EA</UnitOfMeasure>
      </Quantity>
    </BaseItemDetail>
    <InvoiceUnitPrice>13.95</InvoiceUnitPrice>
  </InvoiceDetail>

  <!-- this is the second line. It is for 12 cases of -->
  <!-- 20-50 motor oil. -->
  <InvoiceDetail>
    <BaseItemDetail>
      <!-- The original line number in the purchase -->
      <!-- order was 10 -->
      <LineItemNum>10</LineItemNum>

```

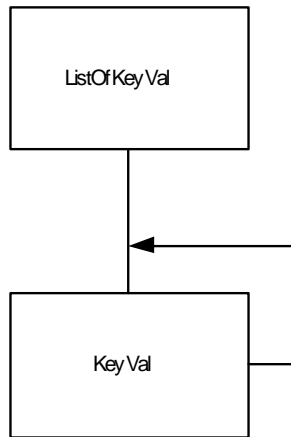
```
<SupplierPartNum>
  <PartNum>
    <Agency AgencyID="AssignedBySupplier"/>
    <PartID>SKUABC</PartID>
  </PartNum>
</SupplierPartNum>
<ItemDescription>
  12 cases of motor oil. each case contains 24, 1
  quart bottles
</ItemDescription>
<Quantity>
  <Qty>12</Qty>
  <UnitOfMeasure>EA</UnitOfMeasure>
</Quantity>
</BaseItemDetail>
<InvoiceUnitPrice>15.75</InvoiceUnitPrice>
</InvoiceDetail>
</ListOfInvoiceDetail>
```

ListOfKeyVal

The ListOfKeyVal element contains one or more KeyVal elements.

[Source Code](#) KeyVal.mod on page 1068

Structure



Contents

ListOfKeyVal

Repeating element

.....KeyVal.....	.....<i>string</i> The value with respect to this keyword.
..... @Lang.....	.....<i>LangCode</i> The language in which the keyword is written. If not specified, it is assumed that the language is known by context.
..... @Keyword.....	.....<i>string</i> The keyword.

End of repeating element

Examples

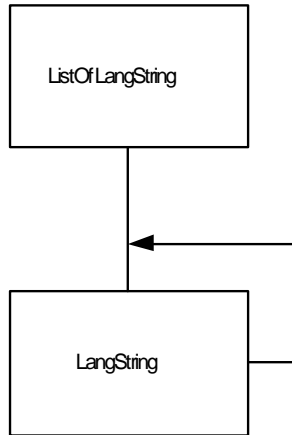
```
<ListOfKeyVal>
  <KeyVal Keyword="User Level">Professional</KeyVal>
  <KeyVal Keyword="Rating">Four Stars</KeyVal>
</ListOfKeyVal>
```

ListOfLangString

The ListOfLangString element contains one or more LangString elements.

[Source Code](#) LangString.mod on page 1075

Structure



Contents

ListOfLangString

Repeating element

.....LangString.....*string* A text string.

..... @Lang.....*LangCode* The ISO code for the language in which the text string is written.

End of repeating element

Examples

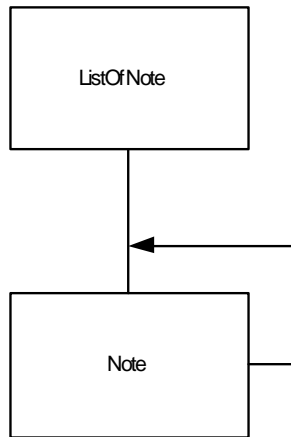
```
<ListOfLangString>
  <LangString Lang="EN">A high quality paper product designed for professional printing.
</LangString>
</ListOfLangString>
```


ListOfNote

The ListOfNote element contains one or more Note elements.

[Source Code](#) Note.mod on page 1085

Structure



Contents

ListOfNote

Repeating element

.....Note.....*string* 1 to 60 characters of text.

End of repeating element

Examples

```
<ListOfNote>
```

```
  <Note>This was ordered incorrectly. We need to delete this order.</Note>
```

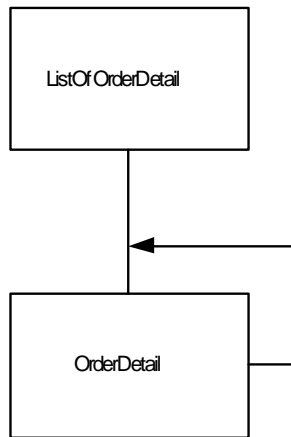
```
</ListOfNote>
```

ListOfOrderDetail

The ListOfOrderDetail element contains one or more OrderDetail elements.

[Source Code](#) OrderDetail.mod on page 1086

Structure



Contents

ListOfOrderDetail

Repeating element OrderDetail

.....OrderDetail

..... BaseItemDetail

..... LineItemNum.....The line number on which the item appears in the order.

..... SubLineItemNum (optional).....

..... SupplierPartNum (optional).....The supplier's part number for this item.

..... PartNum

..... Agency.....The agency that assigned the supplier's part number.

..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... BuyerPartNum (optional).....The buyer's part number for this item.
..... PartNum
..... Agency.....The agency that assigned the buyer's part number.
.....@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other).
.....@AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... ManufacturerPartNum (optional)
..... PartNum
..... Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part
number.
.....@AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... CommodityCode (optional)
..... ItemDescription (optional)
..... Quantity (optional)
..... Qty.....*Decimal15_3* The total quantity of the item that was ordered.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... MaxBackOrderQuantity (optional)
..... Quantity
..... Qty.....*Decimal15_3* The maximum acceptable backordered quantity for this item.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... FinalRecipient (optional)
..... Party
..... @PartyID
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... ListOfIdentifier (optional)
..... **Repeating element Identifier**
..... Identifier

.....Agency
..... @AgencyID.....AgencyCode The agency responsible for issuing the identifier.
..... @AgencyOther.....string The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."

.....Ident

End of repeating element Identifier

..... NameAddress (optional)
.....Identifier (optional)
.....Agency
..... @AgencyID.....AgencyCode The agency responsible for issuing the identifier.
..... @AgencyOther.....string The standards agency, specifed when AgencyID has a value of "Other."
..... Ident.....string The coded identifier.
.....Name1.....string The first line of the name.
.....Name2 (optional).....string The second line of the name.
.....Name3 (optional).....string The third line of the name.
.....Address1.....string The first line of the street address.
.....Address2 (optional).....string The second line of the street address.
.....Address3 (optional).....string The third line of the street address.
.....Address4 (optional).....string The fourth line of the street address.
.....Address5 (optional).....string The fifth line of the street address.
.....City.....string The city.
.....StateOrProvince.....string The state or province.
.....PostalCode.....string The zip or postal code.
.....Country.....CountryCode The two-character country code.
..... OrderContact (optional)
.....Contact
.....Identifier (optional).....The order contact's identification number.
..... Agency
..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification number.
..... @AgencyOther.....string The agency that issued the identification number, used when AgencyID has a value of "Other."
..... Ident.....string The coded identifier.
.....ContactName.....string The employee or department name.
.....Telephone.....string The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....string The 1 to 80 character email address.
.....Fax (optional).....string The FAX number.
..... ReceivingContact (optional)

.....Contact
.....Identifier (optional).....The receiving contact's identification number.
.....Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
.....@AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
.....Contact
.....Identifier (optional)
.....Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
.....@AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
.....ListOfContactCoded
Repeating element ContactCoded
.....ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
.....@AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.
.....@AgencyOther...*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... Transport (optional)

..... @Direction.....*TransitDirection* The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).

..... Mode (optional).....*TransportMode* The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.

..... TransportModeOther (optional).....*string* A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.

..... Mean (optional).....*TransportMean* The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.

..... TransportMeanOther (optional).....*string* 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.

..... Carrier (optional).....*CarrierCode* The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other

..... CarrierOther (optional).....*string* The name of the carrier, specified if the value of Carrier is Other.

..... CustShippingContractNum (optional).....*string* The 1 to 35 character shipping contract number.

..... ShippingInstruction (optional).....*string* Brief (up to 256 characters) shipping instructions.

..... OffCatalogFlag.....*Boolean* True if the item appears in the product catalog; false if it does not.

..... SpecialHandlingNote (optional).....*string* Special handling instructions.

..... GeneralNote (optional).....*string* Additional instructions.

..... RequestedDeliveryDate (optional).....*datetime* The date by which the customer would like to receive the goods.

..... ShipByDate (optional).....*datetime* The date by which the goods must be shipped for timely delivery.

..... Tax (optional)

..... @FuncQual.....*TaxFuncQual* The function of the tax. One of the following values: CustomsDuty or Tax. Default value is Tax.

..... @Category.....*TaxCategory* The type of tax. One of the following values: Mixed, Exempt, Standard, freeExportItem, Zero, or Other. The default value is Standard.

..... @Type.....*TaxType* The type of tax. one of the following values: GST or VAT. The default value is GST.

..... TaxPercent.....*Decimal10_4* The rate of taxation, expressed as a percentage.

..... Location.....*string* The location of the taxing entity.

..... TaxId (optional).....*string* The tax identification number.

..... TaxAmount.....*Decimal18_3* The amount of the tax.

..... TaxableAmount.....*Decimal18_3* The amount subject to taxation.

..... ListOfAllowOrCharge

Repeating element AllowOrCharge

..... AllowOrCharge

..... IsCharge.....*Boolean* True if the item is a tax, false if it is a discount.

..... Basis.....*AllowOrChgBasis* The basis (None, Quantity, Percent, Money, or Tax) for the allowance or charge.

..... SeqNo.....*int* The order in which this allowance or charge is applied, relative to other allowances and charges.

..... Desc

..... AllowOrChgDesc

..... RefID (optional).....*string* The supplier's code number for the charge or allowance.

..... ListOfDescription (optional).....*One or more descriptions of the allowance or charge. Each description must be in a different language.*

Repeating element Description

..... Description.....*string* A description of the allowance or charge.

..... @Lang.....*LangCode* The language in which the description is written.

..... ServiceCode.....*AllowOrChgServCode* The service (None, Pickup, COD, or Handling) with which the allowance or charge is associated.

End of repeating element Description

..... StartDate (optional).....*date* The first date that the allowance or charge applies.

..... EndDate (optional).....*date* The last date that the allowance or charge applies.

You may choose one of the following: QuantityRange or MoneyRange

..... QuantityRange (optional).....*The quantity range to which the allowance or charge applies.*

..... Range

..... Min.....*Decimal18_3* The minimum quantity to which the allowance or charge applies.

..... Max.....*Decimal18_3* The maximum quantity to which the allowance or charge applies.

..... @UnitOfMeasure.....*UOMCode* The unit of measurement in which the minimum and maximum quantities are expressed.

Or

..... MoneyRange (optional).....*The monetary amount that must be ordered for the allowance or charge to apply.*

..... @Min.....*Decimal18_3* The minimum monetary amount to which the allowance or charge applies.

..... @Max.....*Decimal18_3* The maximum monetary amount to which the allowance or charge applies.

..... @Currency.....*CurrencyCode* The currency in which the minimum and maximum amounts are expressed.

End of choice

You MUST choose one of the following: Quantity, Money, Percent, or Tax

..... Quantity

..... Qty.....*Decimal15_3* The quantity of the product supplied free of charge.

..... UnitOfMeasure.....*The unit of measurement in which the quantity is expressed.*

..... UOMCode.....*UOMCode* The unit of measurement.

.....UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

Or

..... Money.....The discount, expressed as a monetary amount.

..... @Currency.....*CurrencyCode* The currency in which the discount is expressed.

Or

..... Percent.....*Decimal10_4* The discount expressed as a percentage of cost.

Or

..... Tax

..... TaxPercent.....*Decimal10_4* The rate of taxation.

..... Location.....*string* The location of the taxing entity.

..... TaxId (optional).....*string* The tax identification number.

..... TaxAmount.....*Decimal18_3* The monetary amount of the tax.

..... TaxableAmount.....*Decimal18_3* The monetary amount subject to taxation.

..... @FuncQual.....*TaxFuncQual* The function (CustomsDuty or Tax) of the charge. The default value is Tax.

..... @Category.....*TaxCategory* The tax category (Other, Mixed, Exempt, Standard, FreeExportItem, or Zero). The default value is Standard.

..... @Type.....*TaxType* The tax type (GST or VAT). The default value is GST.

End of choice

End of repeating element

.....BuyerExpectedUnitPrice

..... Price

..... UnitPrice.....The product's unit price expressed in a specified currency.

..... @Currency.....*CurrencyCode* The ISO code for the currency in which the unit price is expressed.

..... UnitPrice.....*Decimal15_4* The price for one unit of the product.

..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

..... StartDate (optional).....*date* The first date that the price applies.

..... EndDate (optional).....*date* The last date that the price applies.

..... QuantityRange (optional).....The quantity range to which the unit price applies. If not specified, the price applies to all quantities.

..... @UnitOfMeasure.....*UOMCode* The unit of measurement in which the quantities are expressed.

..... Range.....The minimum and maximum quantities included in the range.

..... @Min (optional).....*Decimal18_3* The minimum value included in the range. If not specified, there is no minimum value.

..... @Max (optional).....*Decimal18_3* The maximum value included *in the range*. If not specified, there is no maximum.

.....OrderDetailAttachment

..... Attachment

..... @Attachment.....The URI for the attachment.
 Purpose.....*string* 1 to 70 character description of the attachment's function (for example, Blueprint).
 FileName (optional).....*string* 1 to 70 character file name of the attachment.
 Title (optional).....*string* 1 to 70 character title of the attachment.
 Language (optional).....*LangCode* The language in which the attachment is written.

End of repeating element

Examples

```

<ListOfOrderDetail>
<OrderDetail>
  <BaseItemDetail>
    <LineItemNum>1</LineItemNum>
    <SupplierPartNum>
    <PartNum>
      <Agency AgencyID="AssignedBySupplier"/>
      <PartID>12345</PartID>
    </PartNum>
    </SupplierPartNum>
    <ItemDescription>Sanford Highlighting Marker</ItemDescription>
    <Quantity>
      <Qty>000000000001.000</Qty>
      <UnitOfMeasure>EA</UnitOfMeasure>
    </Quantity>
    <Transport Direction="SupplierToBuyer">
      <Mode>Air</Mode>
      <Mean>Express</Mean>
      <Carrier>Fedex</Carrier>
      <CustShippingContractNum>CTOP123</CustShippingContractNum>
      <ShippingInstruction>Please handle with care</ShippingInstruction>
    </Transport>
    <OffCatalogFlag>>false</OffCatalogFlag>
  </BaseItemDetail>
  <BuyerExpectedUnitPrice>
    <Price><UnitPrice>00000000010.0000</UnitPrice></Price>
  </BuyerExpectedUnitPrice>
</OrderDetail>
</ListOfOrderDetail>

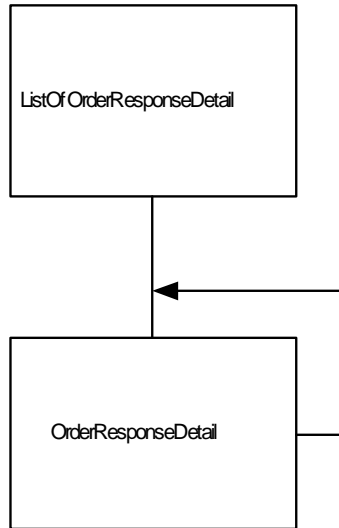
```

ListOfOrderResponseDetail

The ListOfOrderResponseDetail element contains one or more OrderResponseDetail elements.

[Source Code](#) OrderResponseDetail.mod on page 1093

Structure



Contents

ListOfOrderResponseDetail

Repeating element

.....OrderResponseDetail

..... OrderDetail

..... BaseItemDetail

..... LineItemNum.....The line number on which the item appears in the order.

..... SubLineItemNum (optional).....

..... SupplierPartNum (optional).....The supplier's part number for this item.

..... PartNum
.....Agency.....The agency that assigned the supplier's part number.
..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."
.....PartID.....*string* The unique identifier for the part.
.....PartIDExt (optional).....*string* The part number extension.
..... BuyerPartNum (optional).....The buyer's part number for this item.
..... PartNum
.....Agency.....The agency that assigned the buyer's part number.
..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
.....PartID.....*string* The unique identifier for the part.
.....PartIDExt (optional).....*string* The part number extension.
..... ManufacturerPartNum (optional)
..... PartNum
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part number.
..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."
.....PartID.....*string* The unique identifier for the part.
.....PartIDExt (optional).....*string* The part number extension.
..... CommodityCode (optional)
..... ItemDescription (optional)
..... Quantity (optional)
..... Qty.....*Decimal15_3* The quantity of the item that was ordered.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... MaxBackOrderQuantity (optional)
..... Quantity
..... Qty.....*Decimal15_3* The quantity of the item.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... FinalRecipient (optional)
..... Party

.....@PartyID
.....@AgencyID.....*AgencyCode* The agency responsible for issuing part numbers
.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....ListOfIdentifier (optional)
Repeating element
.....Identifier
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
..... @AgencyOther.....*string* The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."

..... Ident
End of repeating element
.....NameAddress (optional)
.....Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
.....OrderContact (optional)
..... Contact
..... Identifier (optional).....The order contact's identification number.
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification number.

..... @AgencyOther..... *string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

.....ReceivingContact (optional)

.....Contact

..... Identifier (optional).....The receiving contact's identification number.

..... Agency

..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.

..... @AgencyOther..... *string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

.....ShippingContact (optional)

.....Contact

..... Identifier (optional)

..... Agency

..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.

..... @AgencyOther..... *string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

.....OtherContacts (optional)

.....ListOfContactCoded

Repeating element

..... ContactCoded

..... Contact

..... Identifier (optional)

.....Agency
.....@AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.
.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
.....ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element

.....Transport (optional)
.....@Direction.....*TransitDirection* The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).
.....Mode (optional).....*TransportMode* The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.
.....TransportModeOther (optional).....*string* A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.
.....Mean (optional).....*TransportMean* The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.
.....TransportMeanOther (optional).....*string* 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.
.....Carrier (optional).....*CarrierCode* The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other
.....CarrierOther (optional).....*string* The name of the carrier, specified if the value of Carrier is Other.
.....CustShippingContractNum (optional).....*string* The 1 to 35 character shipping contract number.
.....ShippingInstruction (optional).....*string* Brief (up to 256 characters) shipping instructions.
.....OffCatalogFlag.....*Boolean* True if the item appears in the product catalog; false if it does not.
.....SpecialHandlingNote (optional).....*string* Special handling instructions.
.....GeneralNote (optional).....*string* Additional instructions.
.....RequestedDeliveryDate (optional).....*datetime* The date by which the customer would like to receive the goods.
.....ShipByDate (optional).....*datetime* The date by which the goods must be shipped for timely delivery.
.....Tax (optional)
.....@FuncQual.....*TaxFuncQual* The function of the tax. One of the following values: CustomsDuty or Tax. Default value is Tax.
.....@Category.....*TaxCategory* The type of tax. One of the following values: Mixed, Exempt, Standard, freeExportItem, Zero, or Other. The default value is Standard.

..... @Type.....*TaxType* The type of tax. one of the following values: GST or VAT. The default value is GST.

..... TaxPercent.....*Decimal10_4* The rate of taxation, expressed as a percentage.

..... Location.....*string* The location of the taxing entity.

..... TaxId (optional).....*string* The tax identification number.

..... TaxAmount.....*Decimal18_3* The amount of the tax.

..... TaxableAmount.....*Decimal18_3* The amount subject to taxation.

..... ListOfAllowOrCharge

Repeating element

..... AllowOrCharge

..... IsCharge.....*Boolean* True if the item is a tax, false if it is a discount.

..... Basis.....*AllowOrChgBasis* The basis (None, Quantity, Percent, Money, or Tax) for the allowance or charge.

..... SeqNo.....*int* The order in which this allowance or charge is applied, relative to other allowances and charges.

..... Desc

..... AllowOrChgDesc

..... RefID (optional).....*string* The supplier's code number for the charge or allowance.

..... ListOfDescription (optional).....*One or more descriptions of the allowance or charge. Each description must be in a different language.*

..... Description.....*string* A description of the allowance or charge.

..... @Lang.....*LangCode* The language in which the description is written.

..... ServiceCode.....*AllowOrChgServCode* The service (None, PickUp, COD, or Handling) with which the allowance or charge is associated.

..... StartDate (optional).....*date* The first date that the allowance or charge applies.

..... EndDate (optional).....*date* The last date that the allowance or charge applies.

You may choose one of the following: QuantityRange or MoneyRange

..... QuantityRange (optional)

..... Range.....*The quantity that must be ordered for the allowance or charge to apply.*

..... @UnitOfMeasure.....*UOMCode* The unit of measurement in which the minimum and maximum quantities are expressed.

..... Min.....*Decimal18_3* The minimum quantity to which the allowance or charge applies.

..... Max.....*Decimal18_3* The maximum quantity to which the allowance or charge applies.

Or

..... MoneyRange (optional).....*The monetary amount that must be ordered for the allowance or charge to apply.*

..... @Min.....*Decimal18_3* The minimum monetary amount to which the allowance or charge applies.

..... @Max.....*Decimal18_3* The maximum monetary amount to which the allowance or charge applies.

..... @Currency.....*CurrencyCode* The currency in which the minimum and maximum amounts are expressed.

End of choice

You MUST choose one of the following: Quantity, Money, Percent, or Tax

..... Quantity
..... Qty.....*Decimal15_3* The quantity of the product supplied free of charge.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

Or

..... MoneyThe discount, expressed as a monetary amount.
..... @Currency.....*CurrencyCode* The currency in which the discount is expressed.

Or

..... Percent.....*Decimal10_4* The discount expressed as a percentage of cost.

Or

..... Tax
..... @FuncQual.....*TaxFuncQual* The function (CustomsDuty or Tax) of the charge. The default value is Tax.
..... @Category.....*TaxCategory* The tax category (Other, Mixed, Exempt, Standard, FreeExportItem, or Zero). The default value is Standard.
..... @Type.....*TaxType* The tax type (GST or VAT). The default value is GST.
..... TaxPercent.....*Decimal10_4* The rate of taxation.
..... Location.....*string* The location of the taxing entity.
..... TaxId (optional).....*string* The tax identification number.
..... TaxAmount.....*Decimal18_3* The monetary amount of the tax.
..... TaxableAmount.....*Decimal18_3* The monetary amount subject to taxation.

End of choice

End of repeating element

..... BuyerExpectedUnitPrice
..... Price
..... UnitPrice.....The product's unit price expressed in a specified currency.
..... @Currency.....*CurrencyCode* The ISO code for the currency in which the unit price is expressed.
..... UnitPrice.....*Decimal15_4* The price for one unit of the product.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... StartDate (optional).....*date* The first date that the price applies.
..... EndDate (optional).....*date* The last date that the price applies.
..... QuantityRange (optional).....The quantity range to which the unit price applies. If not specified, the price applies to all quantities.
..... @UnitOfMeasure.....*UOMCode* The unit of measurement in which the quantities are expressed.
..... Range.....The minimum and maximum quantities included in the range.

.....@Min (optional).....*Decimal18_3* The minimum value included in the range. If not specified, there is no minimum value.

.....@Max (optional).....*Decimal18_3* The maximum value included *in the range*. If not specified, there is no maximum.

..... OrderDetailAttachment

..... Attachment

..... @Attachment.....The URI for the attachment.

..... Purpose.....*string* 1 to 70 character description of the attachment's function 9for example, Blueprint).

..... FileName (optional).....*string* 1 to 70 character file name of the attachment.

..... Title (optional).....*string* 1 to 70 character title of the attachment.

..... Language (optional).....*LangCode* The language in which the attachment is written.

..... VarianceQuantity (optional)

..... OrderedQtyDifference.....*Decimal15_3* The difference between the invoiced quantity and the quantity that was or OrderedQtyDifference

..... SupplierExpectedUnitPrice (optional)

..... Price

..... UnitPrice.....The product's unit price expressed in a specified currency.

..... @Currency.....*CurrencyCode* The ISO code for the currency in which the unit price is expressed.

..... UnitPrice.....*Decimal15_4* The price for one unit of the product.

..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

..... StartDate (optional).....*date* The first date that the price applies.

..... EndDate (optional).....*date* The last date that the price applies.

..... QuantityRange (optional).....The quantity range to which the unit price applies. If not specified, the price applies to all quantities.

..... @UnitOfMeasure.....*UOMCode* The unit of measurement in which the quantities are expressed.

..... Range.....The minimum and maximum quantities included in the range.

.....@Min (optional).....*Decimal18_3* The minimum value included in the range. If not specified, there is no minimum value.

.....@Max (optional).....*Decimal18_3* The maximum value inPriceErrorInfo (optional)

..... ErrorInfo

..... CompletionCode.....*string* The error code.

..... CompletionMsg

..... LangString.....*string* The error message.

.....@Lang.....*LangCode* The ISO code for the language in which the message is written.

..... Severity.....*SeverityCode* The severity of the error. one of the following values: Informational, Warning, Diagnostic, Transient, Error, Warning, or Other.

..... ListOfParameter (optional).....One or more parameters specifying additional information about the error.
 MinRetrySecs (optional).....*int* The number of seconds a caller must wait before sending a retry request.
 SwVendorErrorRef (optional).....*string* The location of the code that generated the error.

..... AvailabilityErrorInfo (optional)
 ErrorInfo
 CompletionCode.....*string* The error code.
 CompletionMsg
 LangString.....*string* The error message.
 @Lang.....*LangCode* The ISO code for the language in which the message is written.
 Severity.....*SeverityCode* The severity of the error. one of the following values: Informational, Warning, Diagnostic, Transient, Error, Warning, or Other.
 ListOfParameter (optional).....One or more parameters specifying additional information about the error.
 MinRetrySecs (optional).....*int* The number of seconds a caller must wait before sending a retry request.
 SwVendorErrorRef (optional).....*string* The location of the code that generated the error.

End of repeating element

Examples

```
<ListOfOrderResponseDetail>
<OrderResponseDetail>
  <BaseItemDetail>
    <LineItemNum>1</LineItemNum>
    <SupplierPartNum>
    <PartNum>
      <Agency>AssignedBySupplier</Agency>
      <PartID>12345</PartID>
    </PartNum>
    </SupplierPartNum>
    <ItemDescription>Sanford Highlighting Marker</ItemDescription>
    <Quantity>
      <Qty>000000000001.000</Qty>
      <UnitOfMeasure>EA</UnitOfMeasure>
    </Quantity>
    <Transport Direction="SupplierToBuyer">
      <Mode>Air</Mode>
      <Mean>Express</Mean>
      <Carrier>Fedex</Carrier>
      <CustShippingContractNum>CTOP123</CustShippingContractNum>
```

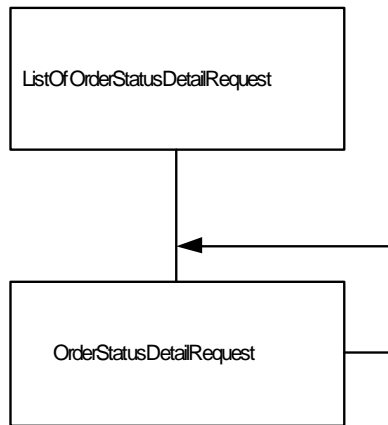
```
<ShippingInstruction>Please handle with care</ShippingInstruction>
</Transport>
<OffCatalogFlag>>false</OffCatalogFlag>
</BaseItemDetail>
<SalesRequirement>ShipPartial</SalesRequirement>
<BuyerExpectedUnitPrice>
  <Price><UnitPrice>0000000010.0000</UnitPrice></Price>
</BuyerExpectedUnitPrice>
</OrderDetail>
</ListOfOrderResponseDetail>
```

ListOfOrderStatusDetailRequest

The ListOfOrderStatusDetailRequest element contains one or more OrderStatusDetail elements.

[Source Code](#) OrderStatusRequest.sox on page 1103

Structure



Contents

ListOfOrderStatusDetailRequest

Repeating element

.....OrderStatusDetail
..... OrderReference.....The item for which status is being requested.
..... AccountCode
..... Reference
..... RefNum.....*string* The buyer's account number with this supplier.
..... RefDate (optional).....*datetime* The date of the reference.
..... BuyerRefNum
..... Reference
..... RefNum.....*string* The buyer's purchase order number.
..... RefDate (optional).....*datetime* The date of the reference.
..... SupplierRefNum (optional)
..... Reference

..... RefNum.....*string* The supplier's order number.
 RefDate (optional).....*datetime* The date of the reference.
 ListOfReferenceCoded (optional)

Repeating element

..... ReferenceCoded
 Reference
 RefNum.....*string* Another reference number.
 RefDate (optional).....*datetime* The date of the reference.
 RefCode.....*ReferenceCode* The type of reference (CustRefNum, ContractNum, PrevProdCat, PriceListNum, ProdInqNum, or Other)
 RefCodeOther (optional).....*string* The type of reference, specified if RefCode has a value of Other.

End of repeating element

..... OrderDate.....*datetime* The date for which status is being requested.

End of repeating element

Examples

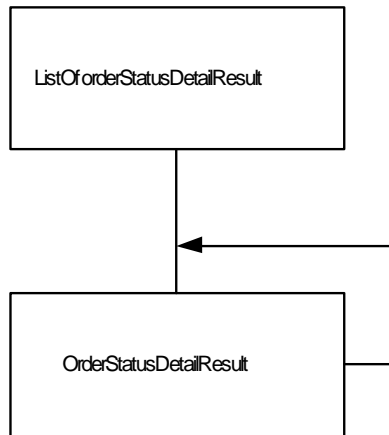
```
<ListOfOrderStatusDetailRequest>
  <OrderStatusDetailRequest>
    <OrderReference>
      <AccountCode>
        <Reference>
          <RefNum>OD11222S</RefNum>
        </Reference>
      </AccountCode>
      <BuyerRefNum>
        <Reference>
          <RefNum>PO1221</RefNum>
        </Reference>
      </BuyerRefNum>
      <SupplierRefNum>
        <Reference>
          <RefNum>009199111</RefNum>
        </Reference>
      </SupplierRefNum>
    </OrderReference>
    <OrderDate>19990809T01:01:01</OrderDate>
  </OrderStatusDetailRequest>
</ListOfOrderStatusDetailRequest>
```

ListOfOrderStatusDetailResult

The ListOfOrderStatusDetailResult element contains one or more OrderStatusDetailResult elements.

[Source Code](#) OrderStatusResult.sox on page 1105

Structure



Contents

ListOfOrderStatusDetailResult

Repeating element

.....OrderStatusDetailResult

..... OrderStatusDetail

..... OrderReference.....The item for which status is being requested.

..... AccountCode

..... Reference

.....RefNum.....*string* The buyer's account number with this supplier.

.....RefDate (optional).....*datetime* The date of the reference.

..... BuyerRefNum

..... Reference

.....RefNum.....*string* The buyer's purchase order number.

.....RefDate (optional).....*datetime* The date of the reference.

..... SupplierRefNum (optional)

..... Reference

.....RefNum.....*string* The supplier's order number.

.....RefDate (optional).....*datetime* The date of the reference.

..... ListOfReferenceCoded (optional)

..... ReferenceCoded

.....Reference

.....RefNum.....*string* Another reference number.

.....RefDate (optional).....*datetime* The date of the reference.

.....RefCode.....*ReferenceCode* The type of reference (CustRefNum, ContractNum, PrevProdCat, PriceListNum, ProdInqNum, or Other)

.....RefCodeOther (optional).....*string* The type of reference, specified if RefCode has a value of Other.

..... OrderDate.....*datetime* The date of the order.

..... OrderStatusDate.....*datetime* The date of the status request.

..... Status

..... StatusNote.....*string* General information about the status of an order.

..... StatusEvent.....The status of the purchase order.

..... StatusEventCodeElement.....*StatusEventCode* The status of the order.

..... StausEventCodeOther (optional).....*string* The status of the the order, specified if the value of StatusEventCodeElement is Other.

..... ListOfStatusReason (optional).....One or more reasons for the status.

Repeating element

..... StatusReason

..... StatusReasonCodeElement.....*StatusReasonCode* The reason for the purchase order's status.

..... StatusReasonCodeother (optional).....*string* The reason for the purchase order's status, specified if StatusReasonCodeElement has a value of Other.

End of repeating element

.....ErrorInfo (optional)

..... CompletionCode.....*string* The error code.

..... CompletionMsg

..... LangString.....*string* The error message.

..... @Lang.....*LangCode* The ISO code for the language in which the messge is written.

..... Severity.....*SeverityCode* The severity of the error. one of the following values: Informational, Warning, Diagnostic, Transient, Error, Warning, or Other.

..... ListOfParameter (optional).....One or more parameters specifying additional information about the error.

..... MinRetrySecs (optional).....*int* The number of seconds a caller must wait before sending a retry request.

..... SwVendorErrorRef (optional).....*string* The location of the code that generated the error.

..... ListOfOrderStatusItemResult (optional)

Repeating element

..... OrderStatusItemResult
..... OrderStatusItem
..... BaseItemDetail
..... LineItemNum.....The line number on which the item appears in the order.
..... SubLineItemNum (optional).....
..... SupplierPartNum (optional).....The supplier's part number for this item.
..... PartNum
..... Agency.....The agency that assigned the supplier's part number.
..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... BuyerPartNum (optional).....The buyer's part number for this item.

..... PartNum
..... Agency.....The agency that assigned the buyer's part number.
..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... ManufacturerPartNum (optional)

..... PartNum
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part number.
..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... CommodityCode (optional).....*string* The item's commodity code.
..... ItemDescription (optional).....*string* A description of the item.
..... Quantity (optional)
..... Qty.....*Decimal15_3* The total quantity of the item that was ordered.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... MaxBackOrderQuantity (optional)

.....Quantity
.....Qty.....*Decimal15_3* The maximum acceptable backordered quantity for this item.
.....UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
.....UOMCode.....*UOMCode* The unit of measurement.
.....UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
.....FinalRecipient (optional)
.....Party
.....@PartyID
.....@AgencyID.....*AgencyCode* The agency responsible for issuing part numbers
.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....ListOfIdentifier (optional)
Repeating element
..... Identifier
..... Agency
.....@AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
.....@AgencyOther... *string* The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."
..... Ident
End of repeating element
.....NameAddress (optional)
..... Identifier (optional)
..... Agency
.....@AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
.....@AgencyOther... *string* The standards agency, specified when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
..... OrderContact (optional)

..... Contact
..... Identifier (optional)...The order contact's identification number.
.....Agency
.....@AgencyID.AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification
number.
.....@AgencyOther...string The agency that issued the identification number, used when AgencyID has a value
of "Other."
.....Ident.....string The coded identifier.
..... ContactName.....string The employee or department name.
..... Telephone.....string The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....string The 1 to 80 character email address.
..... Fax (optional).....string The FAX number.
..... ReceivingContact (optional)
..... Contact
..... Identifier (optional)...The receiving contact's identification number.
.....Agency
.....@AgencyID.AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
.....@AgencyOther...string The agency that issued the identification number, used when AgencyID has a value
of "Other."
.....Ident.....string The coded identifier.
..... ContactName.....string The employee or department name.
..... Telephone.....string The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....string The 1 to 80 character email address.
..... Fax (optional).....string The FAX number.
..... ShippingContact (optional)
..... Contact
..... Identifier (optional)
.....Agency
.....@AgencyID.AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
.....@AgencyOther...string The agency that issued the identification number, used when AgencyID has a value
of "Other."
.....Ident.....string The coded identifier.
..... ContactName.....string The employee or department name.
..... Telephone.....string The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....string The 1 to 80 character email address.
..... Fax (optional).....string The FAX number.

..... OtherContacts (optional)
..... ListOfContactCoded
Repeating element
..... ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyIDAgencyCode The agency responsible for issuing part numbers.
..... @AgencyOtherstring The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....string The coded identifier.
..... ContactName.....string The employee or department name.
..... Telephone.....string The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....string The 1 to 80 character email address.
..... Fax (optional).....string The FAX number.
..... ContactFunctionCode ContactFunctionCode The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element

.....Transport (optional)
..... @Direction.....TransitDirection The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).
..... Mode (optional).....TransportMode The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.
..... TransportModeOther (optional).....string A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.
..... Mean (optional).....TransportMean The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.
..... TransportMeanOther (optional).....string 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.
..... Carrier (optional).....CarrierCode The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other
..... CarrierOther (optional).....string The name of the carrier, specified if the value of Carrier is Other.
..... CustShippingContractNum (optional).....string The 1 to 35 character shipping contract number.
..... ShippingInstruction (optional).....string Brief (up to 256 characters) shipping instructions.
..... OffCatalogFlag.....Boolean True if the item appears in the product catalog; false if it does not.
..... VarianceQuantity
..... OrderedQtyDifference.....Decimal15_3 The difference between the invoiced quantity and the quantity that was ordered.
..... Status

..... StatusNote.....*string* General information about the status of an order.
..... StatusEvent.....The status of the purchase order.
.....StatusEventCodeElement.....*StatusEventCode* The status of the order.
.....StausEventCodeOther (optional)*string* The status of the the order, specified if the value of StatusEventCodeElement is Other.
..... ListOfStatusReason (optional).....One or more reasons for the status.

Repeating element

.....StatusReason
.....StatusReasonCodeElement.....*StatusReasonCode* The reason for the purchase order’s status.
.....StatusReasonCodeother (optional)..*string* The reason for the purchase order’s status, specified if StatusReasonCodeElement has a value of Other.

End of repeating element

..... ErrorInfo (optional)
..... CompletionCode.....*string* The error code.
..... CompletionMsg
.....LangString.....*string* The error message.
..... @Lang.....*LangCode* The ISO code for the language in which the messge is written.
..... Severity.....*SeverityCode* The severity of the error. one of the following values: Informational, Warning, Diagnostic, Transient, Error, Warning, or Other.
..... ListOfParameter (optional).....One or more parameters specifying additional information about the error.
..... MinRetrySecs (optional).....*int* The number of seconds a caller must wait before sending a retry request.
..... SwVendorErrorRef (optional).....*string* The location of the code that generated the error.

End of repeating element

Examples

```
<ListOfOrderStatusDetailResult>
  <OrderStatusDetailResult>
    <OrderReference>
      <AccountCode>
        <Reference>
          <RefNum>OD11222S</RefNum>
        </Reference>
      </AccountCode>
      <BuyerRefNum>
        <Reference>
          <RefNum>PO1221</RefNum>
        </Reference>
      </BuyerRefNum>
      <SupplierRefNum>
```

```
<Reference>
  <RefNum>009199111</RefNum>
</Reference>
</SupplierRefNum>
</OrderReference>

<OrderDate>19990809T01:01:01</OrderDate>
<OrderStatusDate>19991001T01:01:01</OrderStatusDate>

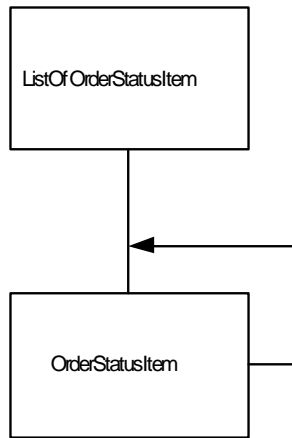
<Status>
  <StatusNote> Hello </StatusNote>
  <StatusEvent>
    <StatusEventCodeElement>Processing</StatusEventCodeElement>
  </StatusEvent>
</Status>

</OrderStatusDetailResult>
</ListOfOrderStatusDetailResult>
```

ListOfOrderStatusItem

Source Code OrderStatusItem.mod on page 1101

Structure



Contents

ListOfOrderStatusItem

Repeating element

-OrderStatusItem
- BaseItemDetail
- LineItemNum.....The line number on which the item appears in the order.
- SubLineItemNum (optional).....
- SupplierPartNum (optional).....The supplier's part number for this item.
- PartNum
- Agency.....The agency that assigned the supplier's part number.
- @AgencyID.....AgencyCode The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
- @AgencyOther.....string The standards agency, specified when AgencyID has a value of "Other."
- PartID.....string The unique identifier for the part.
- PartIDExt (optional).....string The part number extension.
- BuyerPartNum (optional).....The buyer's part number for this item.

..... PartNum
..... Agency.....The agency that assigned the buyer's part number.
.....@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
.....@AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... ManufacturerPartNum (optional)
..... PartNum
..... Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part number.
.....@AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... CommodityCode (optional).....*string* The item's commodity code.
..... ItemDescription (optional).....*string* A description of the item.
..... Quantity (optional)
..... Qty.....*Decimal15_3* The total quantity of the item that was ordered.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... MaxBackOrderQuantity (optional)
..... Quantity
..... Qty.....*Decimal15_3* The maximum acceptable backordered quantity for this item.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... FinalRecipient (optional)
..... Party
..... @PartyID
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... ListOfIdentifier (optional)
..... **Repeating element**
..... Identifier
..... Agency

..... @AgencyID..... *AgencyCode* The agency responsible for issuing the identifier.

..... @AgencyOther..... *string* The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."

..... Ident

End of repeating element

..... NameAddress (optional)

..... Identifier (optional)

..... Agency

..... @AgencyID..... *AgencyCode* The agency responsible for issuing the identifier.

..... @AgencyOther..... *string* The standards agency, specifed when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... Name1..... *string* The first line of the name.

..... Name2 (optional)..... *string* The second line of the name.

..... Name3 (optional)..... *string* The third line of the name.

..... Address1..... *string* The first line of the street address.

..... Address2 (optional)..... *string* The second line of the street address.

..... Address3 (optional)..... *string* The third line of the street address.

..... Address4 (optional)..... *string* The fourth line of the street address.

..... Address5 (optional)..... *string* The fifth line of the street address.

..... City..... *string* The city.

..... StateOrProvince..... *string* The state or province.

..... PostalCode..... *string* The zip or postal code.

..... Country..... *CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

..... Identifier (optional)..... The order contact's identification number.

..... Agency

..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification number.

..... @AgencyOther..... *string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

..... ReceivingContact (optional)

..... Contact

.....Identifier (optional).....The receiving contact's identification number.

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... ShippingContact (optional)

.....Contact

.....Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... OtherContacts (optional)

.....ListOfContactCoded

Repeating element

.....ContactCoded

..... Contact

..... Identifier (optional)

..... Agency

.....@AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.

.....@AgencyOther...*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... ContactFunctionCode..... *ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element

..... Transport (optional)

..... @Direction..... *TransitDirection* The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).

..... Mode (optional)..... *TransportMode* The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.

..... TransportModeOther (optional)..... *string* A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.

..... Mean (optional)..... *TransportMean* The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.

..... TransportMeanOther (optional)..... *string* 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.

..... Carrier (optional)..... *CarrierCode* The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other

..... CarrierOther (optional)..... *string* The name of the carrier, specified if the value of Carrier is Other.

..... CustShippingContractNum (optional)..... *string* The 1 to 35 character shipping contract number.

..... ShippingInstruction (optional)..... *string* Brief (up to 256 characters) shipping instructions.

..... OffCatalogFlag..... *Boolean* True if the item appears in the product catalog; false if it does not.

..... VarianceQuantity

..... OrderedQtyDifference..... *Decimal15_3* The difference between the invoiced quantity and the quantity that was ordered.

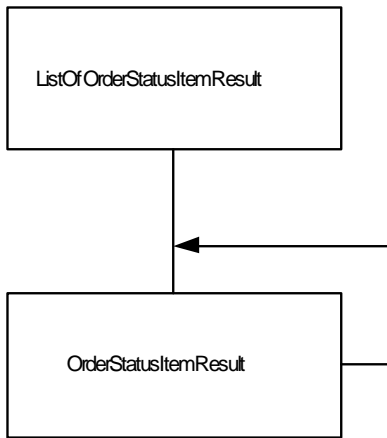
End of repeating element

[Examples](#)

ListOfOrderStatusItemResult

Source Code ??

Structure



Contents

ListOfOrderStatusItemResult

Repeating element

-OrderStatusItemResult
- OrderStatusItem
- BaseItemDetail
- LineItemNum.....The line number on which the item appears in the order.
- SubLineItemNum (optional).....
- SupplierPartNum (optional).....The supplier's part number for this item.
- PartNum
-Agency.....The agency that assigned the supplier's part number.
- @AgencyID.....AgencyCode The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
- @AgencyOther.....string The standards agency, specified when AgencyID has a value of "Other."
-PartID.....string The unique identifier for the part.
-PartIDExt (optional).....string The part number extension.
- BuyerPartNum (optional).....The buyer's part number for this item.

..... PartNum
.....Agency.....The agency that assigned the buyer's part number.
..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... ManufacturerPartNum (optional)
..... PartNum
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part number.
..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... CommodityCode (optional).....*string* The item's commodity code.
..... ItemDescription (optional).....*string* A description of the item.
..... Quantity (optional)
..... Qty.....*Decimal15_3* The total quantity of the item that was ordered.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... MaxBackOrderQuantity (optional)
..... Quantity
..... Qty.....*Decimal15_3* The maximum acceptable backordered quantity for this item.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... FinalRecipient (optional)
..... Party
..... @PartyID
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....ListOfIdentifier (optional)
..... **Repeating element**
..... Identifier

..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
..... @AgencyOther.....*string* The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."

..... Ident
End of repeating element
.....NameAddress (optional)
.....Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
..... @AgencyOther.....*string* The standards agency, specifed when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
.....Name1.....*string* The first line of the name.
.....Name2 (optional).....*string* The second line of the name.
.....Name3 (optional).....*string* The third line of the name.
.....Address1.....*string* The first line of the street address.
.....Address2 (optional).....*string* The second line of the street address.
.....Address3 (optional).....*string* The third line of the street address.
.....Address4 (optional).....*string* The fourth line of the street address.
.....Address5 (optional).....*string* The fifth line of the street address.
.....City.....*string* The city.
.....StateOrProvince.....*string* The state or province.
.....PostalCode.....*string* The zip or postal code.
.....Country.....*CountryCode* The two-character country code.
.....OrderContact (optional)
.....Contact
..... Identifier (optional).....The order contact's identification number.
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....ReceivingContact (optional)

.....Contact
..... Identifier (optional).....The receiving contact's identification number.
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....ShippingContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....OtherContacts (optional)
.....ListOfContactCoded
Repeating element
..... ContactCoded
..... Contact
..... Identifier (optional)
.....Agency
.....@AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.
.....@AgencyOther...*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....	.....<i>string</i> The FAX number.
..... ContactFunctionCode.....	.....<i>ContactFunctionCode</i> The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.
End of repeating element	
..... Transport (optional)	
..... @Direction.....	.....<i>TransitDirection</i> The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).
..... Mode (optional).....	.....<i>TransportMode</i> The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.
..... TransportModeOther (optional).....	.....<i>string</i> A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.
..... Mean (optional).....	.....<i>TransportMean</i> The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.
..... TransportMeanOther (optional).....	.....<i>string</i> 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.
..... Carrier (optional).....	.....<i>CarrierCode</i> The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other
..... CarrierOther (optional).....	.....<i>string</i> The name of the carrier, specified if the value of Carrier is Other.
..... CustShippingContractNum (optional).....	.....<i>string</i> The 1 to 35 character shipping contract number.
..... ShippingInstruction (optional).....	.....<i>string</i> Brief (up to 256 characters) shipping instructions.
..... OffCatalogFlag.....	.....<i>Boolean</i> True if the item appears in the product catalog; false if it does not.
..... VarianceQuantity	
..... OrderedQtyDifference.....	.....<i>Decimal15_3</i> The difference between the invoiced quantity and the quantity that was ordered.
.....Status	
..... StatusNote.....	.....<i>string</i> General information about the status of an order.
..... StatusEvent.....	.....The status of the purchase order.
..... StatusEventCodeElement.....	.....<i>StatusEventCode</i> The status of the order.
..... StausEventCodeOther (optional).....	.....<i>string</i> The status of the the order, specified if the value of StatusEventCodeElement is Other.
..... ListOfStatusReason (optional).....	.....One or more reasons for the status.
Repeating element	
..... StatusReason	
..... StatusReasonCodeElement.....	.....<i>StatusReasonCode</i> The reason for the purchase order's status.
..... StatusReasonCodeother (optional).....	.....<i>string</i> The reason for the purchase order's status, specified if StatusReasonCodeElement has a value of Other.
End of repeating element	
.....ErrorInfo (optional)	
..... CompletionCode.....	.....<i>string</i> The error code.

..... CompletionMsg
..... LangString.....*string* The error message.
..... @Lang.....*LangCode* The ISO code for the language in which the message is written.
..... Severity.....*SeverityCode* The severity of the error. one of the following values: Informational,
Warning, Diagnostic, Transient, Error, Warning, or Other.
..... ListOfParameter (optional).....One or more parameters specifying additional information about the error.
..... MinRetrySecs (optional).....*int* The number of seconds a caller must wait before sending a retry request.
..... SwVendorErrorRef (optional).....*string* The location of the code that generated the error.

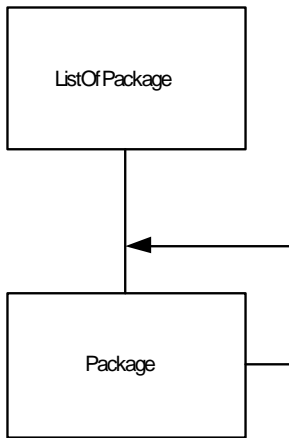
End of repeating element

Examples

ListOfPackage

Source Code Package.mod on page 1109

Structure



Contents

ListOfPackage

Repeating element

.....Package

..... ListOfPackageInfo (optional)

..... PackageInfo.....*PackageInfoCode* The type of coding that appears on the package.

..... ListOfPackageType (optional)

Repeating element

..... PackageType

..... TypeCode.....*PackageTypeCode* The type of packaging. One of the following values: None, Other, OnewayPallet, ReturnablePallet, or barrel.

..... TypeCodeOther (optional)..... *string* The type of packaging, specified if the value of TypeCode is Other.

..... CodeList (optional).....*string* The name of the code list.

..... Agency (optional)

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other).

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... ListOfDescription (optional)

Repeating element

..... Description

.....@Lang.....*LangCode* The ISO code for the language in which the description is written.

End of repeating element

End of repeating element

.....ListOfDimension (optional)

Repeating element

..... Dimension

..... @DimName.....*DimensionCode* The name of the dimension being measured.

..... @DimNameOther.....*string* The name of the dimension, specified if the value of DimName is other.

..... @UnitOfMeasure.....*UOMCode* The unit of measurement.

..... @Equality.....*EqualityCode* The relationship (greater than, less than, or equal to) of the measured value to the unit of measurement.

End of repeating element

.....ListOfPackageMark (optional)

Repeating element

..... PackageMark.....*PackageMarkCode* A code indicating how the package should be marked. One of the following values: NoSupplierName, CustomerCoName, CustomerRefs, MinorDanger, or Price.

End of repeating element

.....MarkText (optional)

..... ListOfLangString

Repeating element

..... LangString.....*string* Freeform text to appear on the package.

..... @Lang.....*LangCode* The ISO code for the language in which the text string is written.

End of repeating element

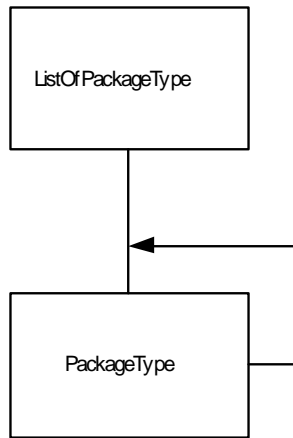
End of repeating element

Examples

ListOfPackageType

Source Code PackageType.mod on page 1113

Structure



Contents

ListOfPackageType

Repeating element

-PackageType
-TypeCode.....*PackageTypeCode* The type of packaging. One of the following values: None, Other, OnewayPallet, ReturnablePallet, or barrel.
-TypeCodeOther (optional).....*string* The type of packaging, specified if the value of TypeCode is Other.
-CodeList (optional).....*string* The name of the code list.
-Agency (optional)
-@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other).
-@AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
-ListOfDescription (optional)

Repeating element

-Description
-@Lang.....*LangCode* The ISO code for the language in which the description is written.

End of repeating element

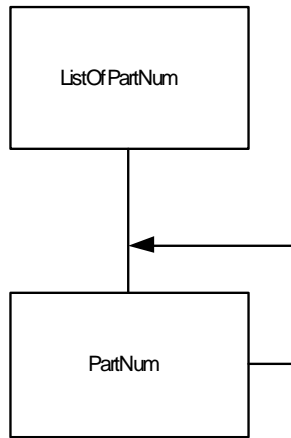
End of repeating element

[Examples](#)

ListOfPartNum

Source Code PartNum.mod on page 1116

Structure



Contents

ListOfPartNum

Repeating element

.....PartNum

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

End of repeating element

Examples

<ListOfPartNum>

<PartNum>

<Agency AgencyID="AssignedByBuyer" />

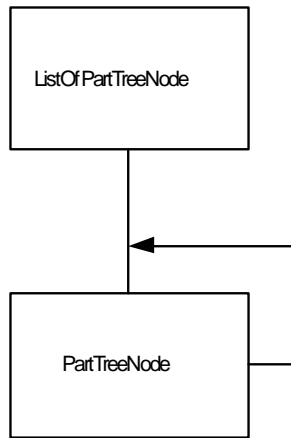
<PartID>XYZ12345</PartID>

```
</PartNum>  
<PartNum>  
  <Agency AgencyID="AssignedBySupplier" />  
  <PartID>12345</PartID>  
</PartNum>  
</ListOfPartNum>
```

ListOfPartTreeNode

Source Code PartTreeNode.mod on page 1118

Structure



Contents

ListOfPartTreeNode

Repeating element PartTreeNode

.....PartTreeNode

..... @Relation.....*ParentChild* Indicates whether this node is a Parent or a Child of the related part.

..... PartNum

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... ListOfQuantity (optional)

Repeating element Quantity

..... Quantity

..... Qty.....*Decimal15_3* The quantity of the item.

..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

..... UOMCode..... *UOMCode* The unit of measurement.
 UOMCodeOther..... *string* The unit of measurement, specified if UOMCode has a value of "Other."

End of repeating element Quantity

..... ListOfProdAttribute (optional)

Repeating element ProdAttribute

..... ProdAttribute

You MUST choose one of the following: CodedAttribName or AttribName

..... CodedAttribName (optional)..... *CodedValue* The code that represents the attribute.

..... CodedValue

..... Agency

..... @AgencyID..... *AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.

..... @AgencyOther..... *string* The standards agency responsible for the code list, specified if Agency has a value of Other.

..... CodeList (optional)..... *string* The name or description of the code list.

..... Value..... *string* The coded value.

Or

..... AttribName (optional)..... The name of the attribute.

..... LangString..... *string* A text string.

..... @Lang..... *LangCode* The ISO code for the language in which the text string is written.

End of choice

You MUST choose one of the following: CodedAttribValue, AttribValue, or Measurement

..... CodedAttribValue (optional)..... The code that represents the attribute's value.

..... CodedValue

..... Agency

..... @AgencyID..... *AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.

..... @AgencyOther..... *string* The standards agency responsible for the code list, specified if Agency has a value of Other.

..... CodeList (optional)..... *string* The name or description of the code list.

..... Value..... *string* The coded value.

Or

..... AttribValue (optional)..... The attribute value in text.

..... LangString..... *string* A text string.

..... @Lang..... *LangCode* The ISO code for the language in which the text string is written.

Or

..... Measurement (optional).....*Decimal18_3* The measured value of the attribute.
..... @UnitOfMeasurement.....*UOMCode* The unit of measurement (for exmple, feet).
..... @Equality.....*EqualityCode* The relationship of the measure

End of choice

End of repeating element

End of repeating element

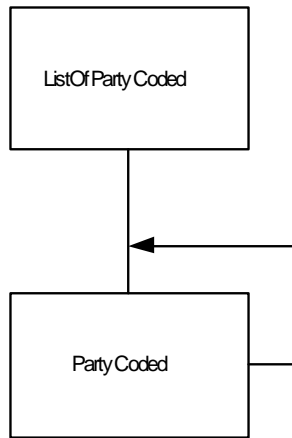
Examples

```
<ListOfPartTreeNode>  
  <PartTreeNode Relation="ParentOf">  
    <PartNum>  
      <Agency AgencyID="CommerceOne"/>  
      <PartID>TD:99-0-345a</PartID>  
    </PartNum>  
    <ListOfQuantity>  
      <Quantity>  
        <Qty>00000000025.005</Qty>  
        <UnitOfMeasure>  
          <UOM>ASM</UOM>  
        </UnitOfMeasure>  
      </Quantity>  
    </ListOfQuantity>  
    <ListOfProdAttribute>  
      <ProdAttribute>  
        <AttribName>  
          <LangString Lang="en">English</LangString>  
        </AttribName>  
      </ProdAttribute>  
    </ListOfProdAttribute>  
  </PartTreeNode>  
</ListOfPartTreeNode>
```

ListOfPartyCoded

Source Code PartyCoded.mod on page 1123

Structure



Contents

ListOfPartyCoded

Repeating element

.....PartyCoded

..... Party

..... @PartyID.....*string* The identification number for the party.

..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element

..... Identifier

..... Agency

..... @AgencyID.....*AgencyCode* The standards agency.

..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

End of repeating element

..... NameAddress (optional).....Name and address information for the party.

..... Identifier (optional)

..... Agency

.....@AgencyID.....*AgencyCode* The standards agency.

.....@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... Name1.....*string* The first line of the name.

..... Name2 (optional).....*string* The second line of the name.

..... Name3 (optional).....*string* The third line of the name.

..... Address1.....*string* The first line of the street address.

..... Address2 (optional).....*string* The second line of the street address.

..... Address3 (optional).....*string* The third line of the street address.

..... Address4 (optional).....*string* The fourth line of the street address.

..... Address5 (optional).....*string* The fifth line of the street address.

..... City.....*string* The city.

..... StateOrProvince.....*string* The state or province.

..... PostalCode.....*string* The zip or postal code.

..... Country.....*CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

..... Identifier (optional)

.....Agency

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ReceivingContact (optional)

..... Contact

..... Identifier (optional)

.....Agency

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... OtherContacts (optional)
..... ListOfContactCoded
Repeating element
..... ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element
..... PartyRole.....*PartyRoleCode* The role of the party. One of the following values: Buyer, Supplier, CentralCatParty, StoreNumber, SuppAgent, ProdInqNum, or Other.

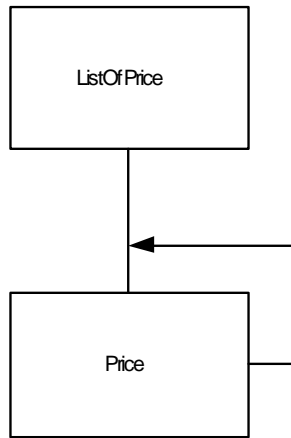
..... PartyRoleOther (optional).....*string* The role of the party, specified if the value of PartyRole is Other.
End of repeating element

Examples

ListOfPrice

Source Code Price.mod on page 1135

Structure



Contents

ListOfPrice

Repeating element

.....Price	
..... UnitPrice.....	.....The product's unit price expressed in a specified currency.
..... @Currency.....	.....<i>CurrencyCode</i> The ISO code for the currency in which the unit price is expressed.
..... UnitPrice.....	.....<i>Decimal15_4</i> The price for one unit of the product.
..... UnitOfMeasure.....	.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....	.....<i>UOMCode</i> The unit of measurement.
..... UOMCodeOther.....	.....<i>string</i> The unit of measurement, specified if UOMCode has a value of "Other."
.....StartDate (optional).....	.....<i>date</i> The first date that the price applies.
.....EndDate (optional).....	.....<i>date</i> The last date that the price applies.
.....QuantityRange (optional).....	.....The quantity range to which the unit price applies. If not specified, the price applies to all quantities.
..... @UnitOfMeasure.....	.....<i>UOMCode</i> The unit of measurement in which the quantities are expressed.
..... Range.....	.....The minimum and maximum quantities included in the range.

..... @Min (optional).....*Decimal18_3* The minimum value included in the range. If not specified, there is no minimum value.
..... @Max (optional).....*Decimal18_3* The maximum value included *in the range*. If not specified, there is no maximum.

End of repeating element

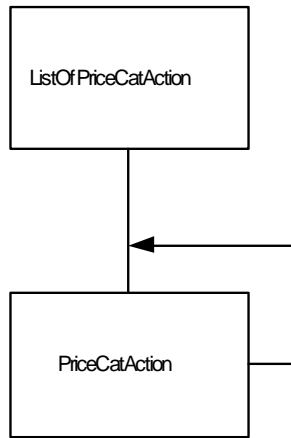
Examples

```
<ListOfPrice>  
  <Price>  
    <UnitPrice Currency="USD">1.025</UnitPrice>  
    <UnitOfMeasure>EA</UnitOfMeasure>  
    <QuantityRange Min="1" Max="10" />  
  </Price>  
  
  <Price>  
    <UnitPrice Currency="USD">1.0</UnitPrice>  
    <UnitOfMeasure>EA</UnitOfMeasure>  
    <QuantityRange Min="11" />  
  </Price>  
</ListOfPrice>
```

ListOfPriceCatAction

Source Code PriceCatAction.mod on page 1137

Structure



Contents

ListOfPriceCatAction

Repeating element

-PriceCatAction
- PriceCatDetail
- PriceAction.....*PriceCatDetailActionCode* The action (Add, Change, or NoAction) to take on the part.
- PartNum.....The part number.
- Agency.....The agency that assigned the part number.
- @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
- @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
- PartID.....*string* The unique identifier for the part.
- PartIDExt (optional).....*string* The part number extension.
- ListOfDescription (optional).....Descriptions of the part in one or more languages.
- Description.....*string* A description of the part.
- @Lang.....*LangCode* The ISO code for the language in which the description is written.
- RelatedParts (optional)

..... AdditionalIDs (optional).....Other part numbers by which this part is known.

..... ListOfPartNum.....One or more additional part numbers for this part.

..... PartNum.....An additional part number that has been assigned to this part.

..... Agency.....The agency that assigned the part number.

..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

..... @AgencyOther.....string The agency, specified when AgencyID has a value of "Other."

..... PartID.....string The unique identifier for the part.

..... PartIDExt (optional).....string The part number extension.

..... CanSubstituteBy (optional).....Parts that may be substituted when this part is not available.

..... ListOfPartNum.....One or more part numbers that may be substituted when this part is not available.

..... PartNum.....The part number that may be substituted when this part is not available.

..... Agency.....The agency that assigned the part number.

..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).that assigned the part number.

..... @AgencyOther.....string The agency that assigned the part number, specified when AgencyID has a value of "Other."

..... PartID.....string The unique identifier for the part.

..... PartIDExt (optional).....string The part number extension.

..... SubstituteBy (optional).....Parts that are substitutes for this part.

..... ListOfPartNum.....One or more part numbers that are substitutes for this part.

..... PartNum.....The part number that is substituted for this part.

..... Agency.....The agency that assigned the part number.

..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.

..... @AgencyOther.....string The agency that assigned the part number, specified when AgencyID has a value of "Other."

..... PartID.....string The unique identifier for the part.

..... PartIDExt (optional).....string The part number extension.

..... SubstituteFor (optional).....Parts for which this part is a substitute.

..... ListOfPartNum.....One or more parts for which this part is a substitute.

..... PartNum.....The part number for which this part is substituted.

..... Agency.....The agency that assigned the part number.

..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.

..... @AgencyOther.....string The agency that assigned the part number, specified when AgencyID has a value of "Other."

..... PartID.....string The unique identifier for the part.

..... PartIDExt (optional).....string The part number extension.

..... CrossRef (optional).....Other parts that are referenced by this part.

..... ListOfPartNum.....One or more parts that are referenced by this part.

..... PartNum.....The part number of the referenced part.

..... Agency.....The agency that assigned the part number.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.

..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... OtherPartNum (optional).....Other related parts.

..... ListOfRelatedPartNum.....One or more parts that are related to this part.

..... RelatedPartNum.....The part number of the related part.

..... @RelatedPartType

..... PartNum.....The part number.

..... Agency.....The agency that assigned the part number.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.

..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... ValidStartDate (optional).....*date* The first date on which this catalog entry is valid.

..... ValidEndDate (optional).....*date* The last date on which this catalog entry is valid.

..... AvailStartDate (optional).....*date* The first date on which the product is available.

..... AvailEndDate (optional).....*date* The last date on which the product is available.

..... LeadTimeDays (optional).....*date* The number of days before anticipated delivery that the product must be ordered.

..... LongDesc (optional).....One or more long descriptions (up to 2,000 characters) of the product.

..... ListOfLangString.....Long descriptions of the product in one or more languages.

..... LangString.....*string* A text string.

..... @Lang.....*LangCode* The ISO code for the language in which the text string is written.

..... ListOfDescInfo (optional).....Descriptive information for the product.

..... DescInfo

..... AttrbCode.....*DescInfoAttrbCode* The attribute that is being described. one of the following values: Finish, Quality, Color, Grade, Keyword, or Other.

..... AttrbCodeOther (optional).....The name of the attribute, specified if AttrbCode has a value of Other.

..... LangString.....*string* The name of the attribute.

..... @Lang.....*LangCode* The ISO code for the language in which the attribute is described.

..... ValueCode (optional).....*DescInfoValueCode* The value (Red, Orange, Yellow, green, Blue, Violet, A, or Other) with respect to the attribute.

..... ValueOther (optional)

.....LangString.....*string* The name of the attribute.

..... @Lang.....*LangCode* The ISO code for the language in which the value is described.

..... Agency.....The name of the agency responsible for the codes.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other) responsible for the codes.

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... MinOrder (optional).....*Decimal15_3* The minimum number of units that may be ordered.

..... MaxOrder (optional).....*Decimal15_3* The maximum number of units that may be ordered.

..... LotSize (optional).....*Decimal 15_3* The lot size of the product.

..... ListOfProdAttribute (optional)

Repeating element ProdAttribute

..... ProdAttribute

You MUSTchoose one of the following: CodedAttribName or AttribName

..... CodedAttribName (optional).....*CodedValue* The code that represents the attribute.

.....CodedValue

.....Agency

..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.

..... @AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.

.....CodeList (optional).....*string* The name or description of the code list.

..... Value.....*string* The coded value.

Or

..... AttribName (optional).....The name of the attribute.

.....LangString.....*string* A text string.

..... @Lang.....*LangCode* The ISO code for the language in which the text string is written.

End of choice between CodedAttribName and AttribName

You MUSTchoose one of the following: CodedAttribValue, AttribValue, or Measurement

..... CodedAttribValue (optional)..... The code that represents the attribute's value.

.....CodedValue

.....Agency

..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the

following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.

..... @AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.
.....CodeList (optional).....*string* The name or description of the code list.
.....Value.....*string* The coded value.

Or

.....AttribValue (optional).....The attribute value in text.
.....LangString.....*string* A text string.
.....@Lang.....*LangCode* The ISO code for the language in which the text string is written.

Or

.....Measurement (optional).....*Decimal18_3* The measured value of the attribute.
.....@UnitOfMeasurement.....*UOMCode* The unit of measurement (for exmple, feet).
.....@Equality.....*EqualityCode* The relationship of the measured property to the unit of measurement

End of choice among CodedAttribValue, AttribValue, and Measurement

.....ListOfAttachment (optional).....One or more file attachments for the product.

Repeating element Attachment

.....Attachment.....A file attachment.
.....@Attachment.....The URI for the attachment.
.....Purpose.....*string* 1 to 70 character description of the attachment's function (for example, Blueprint).
.....FileName (optional).....*string* 1 to 70 character file name of the atachment.
.....Title (optional).....*string* 1 to 70 character title of the attachment.
.....Language (optional).....*LangCode* The language in which the attachment is written.

End of repeating element Attachment

.....ListOfKeyVal (optional).....One or more keyword/value pairs associated with the product.

Repeating element KeyVal

.....KeyVal.....*string* The value with respect to this keyword.
.....@Lang.....*LangCode* The language in which the keyword is written. If not specified, it is assumed that the language is known by context.
.....@Keyword.....*string* The keyword.

End of repeating element KeyVal

.....CategoryUNSPSC (optional).....The UNSPSC code for the product. Commerce one strongly recommends that you supply this information.

.....ListOfCategory (optional).....Other classifications for the product.

Repeating element Category

.....Category.....A secondary classification for the product.
.....CategoryID.....*string* The unique identifier for the category.

..... TreeName.....	.....<i>TreeNameCode</i> The name of the tree. one of the following values: SupplierTree, BuyerTree, UNSPSC, NIGP, or Other.
..... TreeNameOther (optional).....	.....<i>string</i> The name of the tree, specified if TreeName has a value of Other.
..... Agency (optional) .....@AgencyID.....	.....<i>AgencyCode</i> The standards agency responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.
.....@AgencyOther.....	.....<i>string</i> The standards agency responsible for the code list, specified if Agency has a value of Other.
End of repeating element Category	
..... CountryOfOrigin (optional).....	.....<i>CountryCode</i> The country in which the product originated.
..... ListOfSpecialCond (optional).....	.....One or more special conditions to which the product is subject due to origin, customs, preference, embargo regulations or commercial factors.
Repeating element SpecialCond	
..... SpecialCond CondCode.....	.....<i>SpecialCondCode</i> The special condition to which the item is subject. One of the following values: SubjectToBonus, SubjectToCommission, PriceIncludesExcise, PriceIncludesTax, SubjectToExportRestrictions, PromotionalPrice, Service, Loan, Rental, Processing, Exchange, Return, or Other.
..... CondCodeOther (optional).....	.....<i>string</i> The special condition to which the item is subject, specified if the value of Cond SpecialCond
End of repeating element SpecialCond	
..... ListPrice (optional) Price UnitPrice.....	.....The product's unit price expressed in a specified currency.
.....@Currency.....	.....<i>CurrencyCode</i> The ISO code for the currency in which the unit price is expressed.
..... UnitPrice.....	.....<i>Decimal15_4</i> The price for one unit of the product.
..... UnitOfMeasure.....	.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....	.....<i>UOMCode</i> The unit of measurement.
..... UOMCodeOther.....	.....<i>string</i> The unit of measurement, specified if UOMCode has a value of "Other."
..... StartDate (optional).....	.....<i>date</i> The first date that the price applies.
..... EndDate (optional).....	.....<i>date</i> The last date that the price applies.
..... QuantityRange (optional).....	.....The quantity range to which the unit price applies. If not specified, the price applies to all quantities.
.....@UnitOfMeasure.....	.....<i>UOMCode</i> The unit of measurement in which the quantities are expressed.
..... Range.....	.....The minimum and maximum quantities included in the range.
.....@Min (optional).....	.....<i>Decimal18_3</i> The minimum value included in the range. If not specified, there is no minimum value.

..... @Max (optional)..... *Decimal18_3* The maximum value included *in the range*. If not specified, there is no maximum.

..... ListOfPrice

Repeating element Price

..... Price

..... UnitPrice..... The product's unit price expressed in a specified currency.

..... @Currency..... *CurrencyCode* The ISO code for the currency in which the unit price is expressed.

..... UnitPrice..... *Decimal15_4* The price for one unit of the product.

..... UnitOfMeasure (optional)..... The unit of measurement in which the quantity is expressed.

..... UOMCode..... *UOMCode* The unit of measurement.

..... UOMCodeOther..... *string* The unit of measurement, specified if UOMCode has a value of "Other."

..... StartDate (optional)..... *date* The first date that the price applies.

..... EndDate (optional)..... *date* The last date that the price applies.

..... QuantityRange (optional)..... The quantity range to which the unit price applies. If not specified, the price applies to all quantities.

..... @UnitOfMeasure..... *UOMCode* The unit of measurement in which the quantities are expressed.

..... Range..... The minimum and maximum quantities included in the range.

..... @Min (optional)..... *Decimal18_3* The minimum value included in the range. If not specified, there is no minimum value.

..... @Max (optional)..... *Decimal18_3* The maximum value included *in the range*. If not specified, there is no maximum.

End of repeating element Price

..... ListOfAllowOrCharge (optional)

Repeating element AllowOrCharge

..... AllowOrCharge

..... IsCharge..... *Boolean* True if the item is a tax, false if it is a discount.

..... Basis..... *AllowOrChgBasis* The basis (None, Quantity, Percent, Money, or Tax) for the allowance or charge.

..... SeqNo..... *int* The order in which this allowance or charge is applied, relative to other allowances and charges.

..... Desc

..... AllowOrChgDesc

..... RefID (optional)..... *string* The supplier's code number for the charge or allowance.

..... ListOfDescription (optional)..... One or more descriptions of the allowance or charge. Each description must be in a different language.

Repeating element Description

..... Description..... *string* A description of the allowance or charge.

..... @Lang..... *LangCode* The language in which the description is written.

End of repeating element Description

.....ServiceCode.....*AllowOrChgServCode* The service (None, PickUp, COD, or Handling) with which the allowance or charge is associated.

.....StartDate (optional).....*date* The first date that the allowance or charge applies.

.....EndDate (optional).....*date* The last date that the allowance or charge applies.

You may choose one of the following: QuantityRange or MoneyRange

.....QuantityRange (optional)

.....Range.....The quantity that must be ordered for the allowance or charge to apply.

.....Min.....*Decimal18_3* The minimum quantity to which the allowance or charge applies.

.....Max.....*Decimal18_3* The maximum quantity to which the allowance or charge applies.

.....@UnitOfMeasure.....*UOMCode* The unit of measurement in which the minimum and maximum quantities are expressed.

Or

.....MoneyRange (optional).....The monetary amount that must be ordered for the allowance or charge to apply.

.....@Min.....*Decimal18_3* The minimum monetary amount to which the allowance or charge applies.

.....@Max.....*Decimal18_3* The maximum monetary amount to which the allowance or charge applies.

.....@Currency.....*CurrencyCode* The currency in which the minimum and maximum amounts are expressed.

End of choice between QuantityRange and MoneyRange

You MUST choose one of the following: Quantity, Money, Percent, or Tax

.....Quantity

.....Qty.....*Decimal15_3* The quantity of the product supplied free of charge.

.....UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

.....UOMCode.....*UOMCode* The unit of measurement.

.....UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

Or

.....Money.....The discount, expressed as a monetary amount.

.....@Currency.....*CurrencyCode* The currency in which the discount is expressed.

Or

.....Percent.....*Decimal10_4* The discount expressed as a percentage of cost.

Or

.....Tax

.....TaxPercent.....*Decimal10_4* The rate of taxation.

.....Location.....*string* The location of the taxing entity.

.....TaxId (optional).....*string* The tax identification number.

.....TaxAmount.....*Decimal18_3* The monetary amount of the tax.

.....TaxableAmount.....*Decimal18_3* The monetary amount subject to taxation.

.....@FuncQual.....*TaxFuncQual* The function (CustomsDuty or Tax) of the charge. The default value is Tax.

.....@Category.....*TaxCategory* The tax category (Other, Mixed, Exempt, Standard, FreeExportItem, or Zero). The default value is Standard.

.....@Type.....*TaxType* The tax type (GST or VAT). The defaultAllowOrCharge

End of choice among Quantity, Money, Percent, and Tax

End of repeating element AllowOrCharge

Or

.....CatalogDelete

.....PartNum.....The part number to be deleted from the catalog.

.....Agency.....The agency that issued the part number.

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

.....@AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

.....PartID.....*string* The unique identifier for the part.

.....PartIDExt (optional).....*string* The part number extension.

.....EffectiveDate.....*date* The date on which the part is to be removed from the catalog.

End of choice

End of repeating element PriceCatAction

Examples

```
<ListOfPriceCatAction>
  <PriceCatAction>
    <CatalogDelete>
      <PartNum>
        <Agency AgencyID="CommerceOne" />
        <PartID>1732|1812||</PartID>
      </PartNum>
    </CatalogDelete>
  </PriceCatAction>

  <PriceCatAction>
    <PriceCatDetail>
      <PriceAction>Add</PriceAction>

      <PartNum>
        <Agency AgencyID="CommerceOne" />
        <PartID>1732|12345||</PartID>
      </PartNum>

      <ListOfDescription>
        <Description Lang="EN">500 sheets white paper, 20#</Description>
      </ListOfDescription>
    </PriceCatDetail>
  </PriceCatAction>
</ListOfPriceCatAction>
```



```

<RelatedParts>
  <AdditionalIDs>
    <ListOfPartNum>
      <PartNum>
        <Agency AgencyID="AssignedByBuyer" />
        <PartID>XYZ12345</PartID>
      </PartNum>
      <PartNum>
        <Agency AgencyID="AssignedBySupplier" />
        <PartID>12345</PartID>
      </PartNum>
    </ListOfPartNum>
  </AdditionalIDs>

  <SubstituteFor>
    <ListOfPartNum>
      <PartNum>
        <Agency AgencyID="AssignedBySupplier" />
        <PartID>12386</PartID>
        <PartIDExt>A</PartIDExt>
      </PartNum>
    </ListOfPartNum>
  </SubstituteFor>

  <OtherPartNums>
    <ListOfRelatedPartNum>
      <RelatedPartNum RelatedPartType="Version">
        <Agency AgencyID="AssignedBySupplier" />
        <PartID>123.2</PartID>
      </RelatedPartNum>
    </ListOfRelatedPartNum>
  </OtherPartNums>
</RelatedParts>

<LeadTimeDays>5</LeadTimeDays>

<LongDesc>

```

```

    <ListOfLangString>
      <LangString Lang="EN">A high quality paper product
        designed for professional printing.
      </LangString>
    </ListOfLangString>
  </LongDesc>

  <ListOfDescInfo>
    <DescInfo>
      <AttribCode>Color</AttribCode>
      <ValueCode>Red</ValueCode>
    </DescInfo>
  </ListOfDescInfo>

  <MinOrder>5</MinOrder>

  <MaxOrder>1000</MaxOrder>

  <LotSize>5</LotSize>

  <ListOfProdAttribute>
    <ProdAttribute>
      <AttribName>
        <LangString Lang="EN">Fabric</LangString>
      </AttribName>
      <AttribValue>
        <LangString Lang="EN">Red</LangString>
      </AttribValue>
    </ProdAttribute>

    <ProdAttribute>
      <AttribName>
        <LangString Lang="EN">Drawer Height</LangString>
      </AttribName>
      <Measurement UnitOfMeasure="FOT">1.0</Measurement>
    </ProdAttribute>
  </ListOfProdAttribute>

```

<ListOfAttachment>
 <Attachment Attachment="http://www.mysite.com/xyz.gif">
 <Purpose>Drawing</Purpose>
 </Attachment>
</ListOfAttachment>

<ListOfKeyVal>
 <KeyVal Keyword="User Level">Professional</KeyVal>
 <KeyVal Keyword="Rating">Four Stars</KeyVal>
</ListOfKeyVal>

<CategoryUNSPSC>04378821</CategoryUNSPSC>

<ListOfCategory>
 <Category>
 <CategoryID>Printers</CategoryID>
 <TreeName>SupplierTree</TreeName>
 </Category>
</ListOfCategory>

<CountryOfOrigin>US</CountryOfOrigin>

<ListOfSpecialCond>
 <SpecialCond>
 <CondCode>PriceIncludesTax</CondCode>
 </SpecialCond>
</ListOfSpecialCond>

<ListOfPrice>
 <Price>
 <UnitPrice Currency="USD">1.025</UnitPrice>
 <UnitOfMeasure>EA</UnitOfMeasure>
 <QuantityRange Min="1" Max="10" />
 </Price>

 <Price>
 <UnitPrice Currency="USD">1.0</UnitPrice>

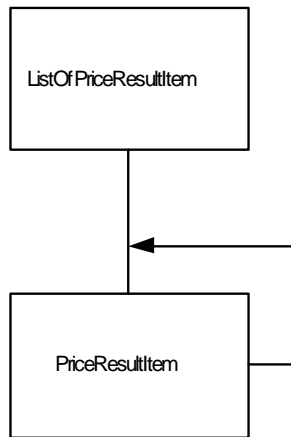
```
<UnitOfMeasure>EA</UnitOfMeasure>  
<QuantityRange Min="11" />  
</Price>  
</ListOfPrice>  
</PriceCatDetail>  
</PriceCatAction>  
</ListOfPriceCatAction>
```

ListOfPriceResultItem

The ListOfPriceResultItem element contains one or more PriceResultItem elements.

[Source Code](#) PriceCheckResult.soX on page 1150

Structure



Contents

ListOfPriceResultItem

Repeating element

.....PriceResultItem	
..... QuotedItem	
..... BaseItemDetail	
..... LineItemNum.....	<i>int</i> The line number on which the item appears in the order.
..... SubLineItemNum (optional).....	<i>int</i>
..... SupplierPartNum (optional).....	The supplier's part number for this item.
..... PartNum	
..... Agency.....	The agency that assigned the supplier's part number.
..... @AgencyID.....	<i>AgencyCode</i> The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....	<i>string</i> The standards agency, specified when AgencyID has a value of "Other."
..... PartID.....	<i>string</i> The unique identifier for the part.

.....PartIDExt (optional).....*string* The part number extension.
..... BuyerPartNum (optional).....The buyer's part number for this item.
..... PartNum
.....Agency.....The agency that assigned the buyer's part number.
..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
.....PartID.....*string* The unique identifier for the part.
.....PartIDExt (optional).....*string* The part number extension.
..... ManufacturerPartNum (optional)
..... PartNum
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part
number.
..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."
.....PartID.....*string* The unique identifier for the part.
.....PartIDExt (optional).....*string* The part number extension.
..... CommodityCode (optional).....*string* The item's commodity code.
..... ItemDescription (optional).....*string* A description of the item.
..... Quantity (optional)
..... Qty.....*Decimal15_3* The total quantity of the item that was ordered.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... MaxBackOrderQuantity (optional)
..... Quantity
..... Qty.....*Decimal15_3* The maximum acceptable backordered quantity for this item.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... FinalRecipient (optional)
..... Party
.....@PartyID
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
.....ListOfIdentifier (optional)
Repeating element

.....Identifier
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
..... @AgencyOther.....*string* The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."

..... Ident
End of repeating element
.....NameAddress (optional)
.....Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
..... @AgencyOther.....*string* The standards agency, specifed when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
.....Name1.....*string* The first line of the name.
.....Name2 (optional).....*string* The second line of the name.
.....Name3 (optional).....*string* The third line of the name.
.....Address1.....*string* The first line of the street address.
.....Address2 (optional).....*string* The second line of the street address.
.....Address3 (optional).....*string* The third line of the street address.
.....Address4 (optional).....*string* The fourth line of the street address.
.....Address5 (optional).....*string* The fifth line of the street address.
.....City.....*string* The city.
.....StateOrProvince.....*string* The state or province.
.....PostalCode.....*string* The zip or postal code.
.....Country.....*CountryCode* The two-character country code.
.....OrderContact (optional)
.....Contact
..... Identifier (optional).....The order contact's identification number.
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.

.....ReceivingContact (optional)
.....Contact
..... Identifier (optional).....The receiving contact's identification number.
..... Agency
..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOther.....string The agency that issued the identification number, used when AgencyID has a value
of "Other."
..... Ident.....string The coded identifier.
..... ContactName.....string The employee or department name.
..... Telephone.....string The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....string The 1 to 80 character email address.
..... Fax (optional).....string The FAX number.
.....ShippingContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOther.....string The agency that issued the identification number, used when AgencyID has a value
of "Other."
..... Ident.....string The coded identifier.
..... ContactName.....string The employee or department name.
..... Telephone.....string The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....string The 1 to 80 character email address.
..... Fax (optional).....string The FAX number.
.....OtherContacts (optional)
.....ListOfContactCoded
Repeating element
..... ContactCoded
..... Contact
..... Identifier (optional)
.....Agency
.....@AgencyID.....AgencyCode The agency responsible for issuing part numbers.
.....@AgencyOther...string The agency responsible for part numbers, used when AgencyID has a value of
"Other."
.....Ident.....string The coded identifier.
..... ContactName.....string The employee or department name.
..... Telephone.....string The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....	.....<i>string</i>	The 1 to 80 character email address.
..... Fax (optional).....	.....<i>string</i>	The FAX number.
..... ContactFunctionCode.....	.....<i>ContactFunctionCode</i>	The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.
End of repeating element		
..... Transport (optional)		
..... @Direction.....	.....<i>TransitDirection</i>	The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).
..... Mode (optional).....	.....<i>TransportMode</i>	The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.
..... TransportModeOther (optional).....	.....<i>string</i>	A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.
..... Mean (optional).....	.....<i>TransportMean</i>	The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.
..... TransportMeanOther (optional).....	.....<i>string</i>	1 to 70 character description of the means of transportation, specified if the value of Mean is Other.
..... Carrier (optional).....	.....<i>CarrierCode</i>	The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other
..... CarrierOther (optional).....	.....<i>string</i>	The name of the carrier, specified if the value of Carrier is Other.
..... CustShippingContractNum (optional).....	.....<i>string</i>	The 1 to 35 character shipping contract number.
..... ShippingInstruction (optional).....	.....<i>string</i>	Brief (up to 256 characters) shipping instructions.
..... OffCatalogFlag.....	.....<i>Boolean</i>	True if the item appears in the product catalog; false if it does not.
..... ResultPrice		
..... Price		
..... UnitPrice.....		The product's unit price expressed in a specified currency.
..... @Currency.....	.....<i>CurrencyCode</i>	The ISO code for the currency in which the unit price is expressed.
..... UnitPrice.....	.....<i>Decimal15_4</i>	The price for one unit of the product.
..... UnitOfMeasure.....		The unit of measurement in which the quantity is expressed.
..... UOMCode.....	.....<i>UOMCode</i>	The unit of measurement.
..... UOMCodeOther.....	.....<i>string</i>	The unit of measurement, specified if UOMCode has a value of "Other."
..... StartDate (optional).....	.....<i>date</i>	The first date that the price applies.
..... EndDate (optional).....	.....<i>date</i>	The last date that the price applies.
..... QuantityRange (optional).....		The quantity range to which the unit price applies. If not specified, the price applies to all quantities.
..... @UnitOfMeasure.....	.....<i>UOMCode</i>	The unit of measurement in which the quantities are expressed.
..... Range.....		The minimum and maximum quantities included in the range.
..... @Min (optional).....	.....<i>Decimal18_3</i>	The minimum value included in the range. If not specified, there is no minimum value.

.....@Max (optional).....*Decimal18_3* The maximum value included *in the range*. If not specified, there is no maximum.

.....PriceErrorInfo (optional)

.....ErrorInfo

.....CompletionCode.....*string* The error code.

.....CompletionMsg

.....LangString.....*string* The error message.

.....@Lang.....*LangCode* The ISO code for the language in which the message is written.

.....Severity.....*SeverityCode* The severity of the error. one of the following values: Informational, Warning, Diagnostic, Transient, Error, Warning, or Other.

.....ListOfParameter (optional).....One or more parameters specifying additional information about the error.

.....MinRetrySecs (optional).....*int* The number of seconds a caller must wait before sending a retry request.

.....SwVendorErrorRef (optional).....*string* The location of the code that generated the error.

End of repeating element

Examples

<ListOfPriceResultItem>

<PriceResultItem>

```

<!-- A list of order items: PartKey, quantity-->
<QuotedItem>
  <BaseItemDetail>
    <LineItemNum>1</LineItemNum>
    <SupplierPartNum>
      <PartNum>
        <Agency AgencyID="AssignedBySupplier" />
        <PartID>PK122122</PartID>
      </PartNum>
    </SupplierPartNum>
    <Quantity>
      <Qty>10</Qty>
      <UnitOfMeasure>EA</UnitOfMeasure>
    </Quantity>
  </BaseItemDetail>
</QuotedItem>

<ResultPrice>
  <Price>

```

```
        <UnitPrice Currency="USD">19.25</UnitPrice>
    </Price>
</ResultPrice>

</PriceResultItem>

<PriceResultItem>

    <QuotedItem>
        <BaseItemDetail>
            <LineItemNum>2</LineItemNum>
            <SupplierPartNum>
                <PartNum>
                    <Agency AgencyID="CommerceOne" />
                    <PartID>PK122122</PartID>
                </PartNum>
            </SupplierPartNum>
            <Quantity>
                <Qty>1</Qty>
                <UnitOfMeasure>EA</UnitOfMeasure>
            </Quantity>
        </BaseItemDetail>
    </QuotedItem>

    <ResultPrice>
        <Price>
            <UnitPrice Currency="USD">19.95</UnitPrice>
        </Price>
    </ResultPrice>

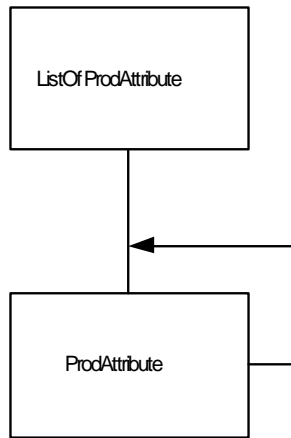
</PriceResultItem>

</ListOfPriceResultItem>
```

ListOfProdAttribute

Source Code ProdAttribute.mod on page 1158

Structure



Contents

ListOfProdAttribute

Repeating element ProdAttribute

.....ProdAttribute

You MUST choose one of the following: CodedAttribname or AttribName

..... CodedAttribName (optional)..... *CodedValue* The code that represents the attribute.

..... CodedValue

..... Agency

..... @AgencyID..... *AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.

..... @AgencyOther..... *string* The standards agency responsible for the code list, specified if Agency has a value of Other.

..... CodeList (optional)..... *string* The name or description of the code list.

..... Value..... *string* The coded value.

Or

..... *AttribName* (optional).....The name of the attribute.
 *LangString*.....*string* A text string.
 *@Lang*.....*LangCode* The ISO code for the language in which the text string is written.

End of choice

You MUST choose one of the following: CodedAttribValue, AttribValue, or Measurement

..... *CodedAttribValue* (optional)..... The code that represents the attribute's value.
 *CodedValue*
 *Agency*
 *@AgencyID*.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.
 *@AgencyOther*.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.
 *CodeList* (optional).....*string* The name or description of the code list.
 *Value*.....*string* The coded value.

Or

..... *AttribValue* (optional).....The attribute value in text.
 *LangString*.....*string* A text string.
 *@Lang*.....*LangCode* The ISO code for the language in which the text string is written.

Or

..... *Measurement* (optional).....*Decimal18_3* The measured value of the attribute.
 *@UnitOfMeasurement*.....*UOMCode* The unit of measurement (for exmple, feet).
 *@Equality*.....*EqualityCode* The relationship of the measured property to the unit of measurement

End of choice among CodedAttribValue, AttribValue, and Measurement

End of repeating element ProdAttribute

Examples

```
<ListOfProdAttribute>
  <ProdAttribute>
    <AttribName>
      <LangString Lang="EN">Fabric</LangString>
    </AttribName>
    <AttribValue>
      <LangString Lang="EN">Red</LangString>
    </AttribValue>
  </ProdAttribute>

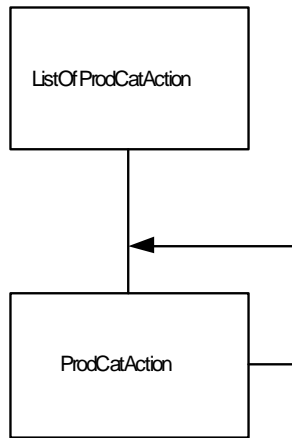
  <ProdAttribute>
```

```
<AttribName>  
  <LangString Lang="EN">Drawer Height</LangString>  
</AttribName>  
  <Measurement UnitOfMeasure="FOT">1.0</Measurement>  
</ProdAttribute>  
</ListOfProdAttribute>
```

ListOfProdCatAction

Source Code ProdCatAction.mod on page 1160

Structure



Contents

ListOfProdCatAction

Repeating element

.....ProdCatAction

You MUST choose one of the following: ProdCatDetail or CatalogDelete

..... ProdCatDetail

..... ProdAction

..... PartNum.....The part number of the item.

..... Agency.....The agency that assigned the part code.

..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

..... @AgencyOther.....string The agency, specified when AgencyID has a value of "Other."

..... PartID.....string The unique identifier for the part.

..... PartIDExt (optional).....string The part number extension.

..... ListOfDescription (optional).....Descriptions of the item in one or more languages.

Repeating element Description

..... Description.....A description of the language.

..... @Lang.....*LangCode* The ISO code for the language in which the description is written.

End of repeating element

..... RelatedParts (optional)

..... AdditionalIDs (optional).....Other part numbers by which this part is known.

..... ListOfPartNum.....One or more additional part numbers for this part.

Repeating element

..... PartNum.....An additional part number that has been assigned to this part.

..... Agency.....The agency that assigned the part number.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

End of repeating element

..... CanSubstituteBy (optional).....Parts that may be substituted when this part is not available.

..... ListOfPartNum.....One or more part numbers that may be substituted when this part is not available.

Repeating element

..... PartNum.....The part number that may be substituted when this part is not available.

..... Agency.....The agency that assigned the part number.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).that assigned the part number.

..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

End of repeating element

..... SubstituteBy (optional).....Parts that are substitutes for this part.

..... ListOfPartNum.....One or more part numbers that are substitutes for this part.

Repeating element PartNum

..... PartNum.....The part number that is substituted for this part.

..... Agency.....The agency that assigned the part number.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.

..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

..... SubstituteFor (optional).....Parts for which this part is a substitute.

..... ListOfPartNum.....One or more parts for which this part is a substitute.

Repeating element PartNum

.....PartNum.....The part number for which this part is substituted.

.....Agency.....The agency that assigned the part number.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.

..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of "Other."

.....PartID.....*string* The unique identifier for the part.

.....PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

..... CrossRef (optional).....Other parts that are referenced by this part.

..... ListOfPartNum.....One or more parts that are referenced by this part.

Repeating element PartNum

.....PartNum.....The part number of the referenced part.

.....Agency.....The agency that assigned the part number.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.

..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of "Other."

.....PartID.....*string* The unique identifier for the part.

.....PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

..... OtherPartNum (optional).....Other related parts.

..... ListOfRelatedPartNum.....One or more parts that are related to this part.

Repeating element RelatedPartNum

.....RelatedPartNum.....The part number of the related part.

..... @RelatedPartType

.....PartNum.....The part number.

.....Agency.....The agency that assigned the part number.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.

..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of "Other."

.....PartID.....*string* The unique identifier for the part.

.....PartIDExt (optional).....*string* The part number extension. AdditionalIDs (optional)

End of repeating element RelatedPartNum

..... ValidStartDate (optional).....The first date on which the catalog entry is valid.

..... ValidEndDate (optional).....The last date on which the catalog entry is valid.

..... AvailStartDate (optional).....The first date on which the product is available.
 AvailEndDate (optional).....The last date on which the product is available.
 LeadTimeDays (optional).....The number of days lead time required for timely delivery.
 ListOfDimension (optional).....One or more product measurements.

Repeating element Dimension

..... Dimension
 @DimName.....*DimensionCode* The name of the dimension being measured.
 @DimNameOther.....*string* The name of the dimension, specified if the value of DimName is other.
 @UnitOfMeasure.....*UOMCode* The unit of measurement.
 @Equality.....*EqualityCode* The relationship (greater than, less than, or equal to) of the measured value to the unit of measurement.

End of repeating element Dimension

..... ListOfProdCatDoc (optional)

Repeating element ProdCatDoc

..... ProdCatDoc
 DocName (optional).....*DocumentCode* The name of the document.
 DocNameOther (optional).....*string* The name of the document, specified if the value of DocName is Other.
 Agency (optional)
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other).
 @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
 DocNum (optional).....*string* The reference number assigned to the document.

End of repeating element prodCatDoc

..... ListOfProdCatGroup (optional)

Repeating element ProdCatGroup

..... ProdCatGroup
 GroupType.....*ProdCatGroupType* The characteristic (Catalog, SamePrice, or ProdGroup) by which the products are being grouped.
 GroupCode (optional).....*string* The code for the product group.
 Agency (optional)
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other) that understands the product group code.
 @AgencyOther.....*string* The agency that understands the product group code, specified when AgencyID has a value of "Other."
 GroupName (optional).....*string* The name of the product group.

End of repeating element ProdCatGroup

..... LongDesc (optional).....One or more long descriptions (up to 2,000 characters) of the product.
 ListOfLangString.....Long descriptions of the product in one or more languages.

Repeating element LangString

.....LangString.....*string* A text string.
.....@Lang.....*LangCode* The ISO code for the language in which the text string is written.

End of repeating element LangString

.....ListOfDescInfo (optional)
.....DescInfo
.....AttribCode.....*DescInfoAttribCode* The attribute that is being described. one of the following values:
Finish, Quality, Color, Grade, Keyword, or Other.
.....AttribCodeOther (optional).....The name of the attribute, specified if AttribCode has a value of Other.
.....LangString.....*string* The name of the attribute.
.....@Lang.....*LangCode* The ISO code for the language in which the attribute is described.
.....ValueCode (optional).....*DescInfoValueCode* The value (Red, Orange, Yellow, green, Blue, Violet, A, or Other)
with respect to the attribute.
.....ValueOther (optional)
.....LangString.....*string* The name of the attribute.
.....@Lang.....*LangCode* The ISO code for the language in which the value is described.
.....Agency.....The name of the agency responsible for the codes.
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or other) responsible for the codes.
.....@AgencyOther.....*string* The agency, specified when AgencyID has a value oMinOrder (optional)
.....UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
.....UOMCode.....*UOMCode* The unit of measurement.
.....UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
.....MinOrder (optional)*Decimal15_3* The minimum number of units of the product that may be ordered.
.....MaxOrder (optional).....*Decimal15_3* The maximum number of units of the product that may be ordered. If not
specified, an unlimited quantity may be ordered.
.....LotSize (optional).....*Decimal15_3* The lot size for the product.
.....ListOfProdAttribute (optional).....The technical attributes of the product.

Repeating element ProdAttribute

.....ProdAttribute
You MUST choose one of the following: CodedAttribName or AttribName
.....CodedAttribName (optional)..... *CodedValue* The code that represents the attribute.
.....CodedValue
.....Agency
.....@AgencyID..... *AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the
following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer,
ANSI, GBABA, or Other.
.....@AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value
of Other.

.....CodeList (optional).....*string* The name or description of the code list.
.....Value.....*string* The coded value.

Or

.....AttribName (optional).....The name of the attribute.
.....LangString.....*string* A text string.
.....@Lang.....*LangCode* The ISO code for the language in which the text string is written.

End of choice between CodedAttribName and AttribName

You MUST choose one of the following: CodedAttribValue, AttribValue, or Measurement

.....CodedAttribValue (optional).....The code that represents the attribute's value.
.....CodedValue

.....Agency
.....@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.
.....@AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.

.....CodeList (optional).....*string* The name or description of the code list.
.....Value.....*string* The coded value.

Or

.....AttribValue (optional).....The attribute value in text.
.....LangString.....*string* A text string.
.....@Lang.....*LangCode* The ISO code for the language in which the text string is written.

Or

.....Measurement (optional).....*Decimal18_3* The measured value of the attribute.
.....@UnitOfMeasurement.....*UOMCode* The unit of measurement (for exmple, feet).
.....@Equality.....*EqualityCode* The relationship of the measured property to the unit of m
@UnitOfMeasurement

End of choice among CodedAttribValue, AttribValue, and Measurement

.....ListOfAttachment (optional)

Repeating element Attachment

.....Attachment
.....@Attachment.....The URI for the attachment.
.....Purpose.....*string* 1 to 70 character description of the attachment's function (for example, Blueprint).
.....FileName (optional).....*string* 1 to 70 character file name of the attachment.
.....Title (optional).....*string* 1 to 70 character title of the attachment.
.....Language (optional).....*LangCode* The language in which the attachment is written.

End of repeating element Attachment

..... ListOfKeyVal (optional)

Repeating element KeyVal

..... KeyVal.....*string* The value with respect to this keyword.

..... @Lang.....*LangCode* The language in which the keyword is written. If not specified, it is assumed that the language is known by context.

..... @Keyword.....*string* The keyword.

End of repeating element KeyVal

..... CategoryUNSPSC (optional)

..... ListOfCategory (optional)

Repeating element Category

..... Category

..... CategoryID.....*string* The unique identifier for the category.

..... TreeName.....*TreeNameCode* The name of the tree. one of the following values: SupplierTree, BuyerTree, UNSPSC, NIGP, or Other.

..... TreeNameOther (optional).....*string* The name of the tree, specified if TreeName has a value of Other.

..... Agency (optional)

..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.

..... @AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.

End of repeating element Category

..... CountryOfOrigin (optional)

..... ListOfSpecialCond (optional).....One or more special conditions to which the item is subject.

Repeating element SpecialCond

..... SpecialCond

..... CondCode.....*SpecialCondCode* The special condition to which the item is subject. One of the following values: SubjectToBonus, SubjectToCommission, PriceIncludesExcise, PriceIncludesTax, SubjectToExportRestrictions, PromotionalPrice, Service, Loan, Rental, Processing, Exchange, Return, or Other.

..... CondCodeOther (optional).....*string* The special condition to which the item is subject, specified if the value of CondCode is Other.

End of repeating element SpecialCond

..... ListOfReferenceCoded (optional)

Repeating element ReferenceCoded

..... ReferenceCoded

..... Reference

..... RefNum.....*string* The document being referenced.

.....RefDate (optional).....*datetime* The date of the reference.
 RefCode.....*ReferenceCode* The type of reference (CustRefNum, ContractNum, PrevProdCat,
 PriceListNum, ProdInqNum, or Other)
 RefCodeOther (optional).....*string* the type of reference, specified if RefCode has a value of Other.

End of repeating element ReferenceCoded

..... MfrParty (optional)
 Party
 @PartyID.....*string* The identification number for the party.
 @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
 @AgencyOther.....*string* The agency that issued the identification number, specified if the value of
 AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier
Agency
 @AgencyID.....*AgencyCode* The standards agency.
 @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.
Identifier (optional)
Agency
 @AgencyID.....*AgencyCode* The standards agency.
 @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.
Name1.....*string* The first line of the name.
Name2 (optional).....*string* The second line of the name.
Name3 (optional).....*string* The third line of the name.
Address1.....*string* The first line of the street address.
Address2 (optional).....*string* The second line of the street address.
Address3 (optional).....*string* The third line of the street address.
Address4 (optional).....*string* The fourth line of the street address.
Address5 (optional).....*string* The fifth line of the street address.
City.....*string* The city.
StateOrProvince.....*string* The state or province.
PostalCode.....*string* The zip or postal code.
Country.....*CountryCode* The two-character country code.
 OrderContact (optional)
Contact

.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
.....Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
.....Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
.....ListOfContactCoded

Repeating element ContactCoded

..... ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther... .. *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident..... *string* The coded identifier.
..... ContactName..... *string* The employee or department name.
..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional)..... *string* The 1 to 80 character email address.
..... Fax (optional)..... *string* The FAX number.
..... ContactFunctionCode..... *ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingCont

End of repeating element ContactCoded

..... ListOfPartyCoded (optional)

Repeating element PartyCoded

..... PartyCoded
..... Party
..... @PartyID..... *string* The identification number for the party.
..... @AgencyID..... *AgencyCode* The agency that issued the party's identification number.
..... @AgencyOther..... *string* The agency that issued the identification number, specified if the value of AgencyID is Other.
..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier
..... Agency
..... @AgencyID..... *AgencyCode* The standards agency.
..... @AgencyOther..... *string* The standards agency, used when AgencyID has a value of "Other."
..... Ident..... *string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional)..... Name and address information for the party.
..... Identifier (optional)
..... Agency
..... @AgencyID..... *AgencyCode* The standards agency.
..... @AgencyOther..... *string* The standards agency, used when AgencyID has a value of "Other."
..... Ident..... *string* The coded identifier.

.....Name1.....*string* The first line of the name.
.....Name2 (optional).....*string* The second line of the name.
.....Name3 (optional).....*string* The third line of the name.
.....Address1.....*string* The first line of the street address.
.....Address2 (optional).....*string* The second line of the street address.
.....Address3 (optional).....*string* The third line of the street address.
.....Address4 (optional).....*string* The fourth line of the street address.
.....Address5 (optional).....*string* The fifth line of the street address.
.....City.....*string* The city.
.....StateOrProvince.....*string* The state or province.
.....PostalCode.....*string* The zip or postal code.
.....Country.....*CountryCode* The two-character country code.
.....OrderContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....ReceivingContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....ShippingContact (optional)

.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....OtherContacts (optional)
.....ListOfContactCoded
Repeating element ContactCoded
..... ContactCoded
..... Contact
..... Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.
End of repeating element ContactCoded
..... PartyRole.....*PartyRoleCode* The role of the party. One of the following values: Buyer, Supplier, CentralCatParty, StoreNumber, SuppAgent, ProdInqNum, or Other.
..... PartyRoleOther (optional).....*string* The role of the party, specified if the value of PartyRole is Other.
End of repeating element PartyCoded
..... ListofHazardous (optional)
Repeating element Hazardous
..... Hazardous
..... Agency (optional)

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that codified the hazard.

.....@AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

.....HazardCode (optional).....*string* The coded identifier for the hazard.

.....CodeExt (optional).....*string* An optional extension that further qualifies the hazard code.

.....CodeVer (optional).....*string* The version number of the hazard code.

.....HazardText (optional).....Descriptions of the hazard in one or more languages.

.....ListOfLangString.....The text of the descriptions.

.....LangString.....A description of the hazard.

.....@Lang.....*LangCode* The ISO code for the language in which the description is written.

.....UNDGNum (optional).....*int* The United nations Dangerous Goods Code for the hazard.

.....Flashpoint (optional).....*Decimal8_2* The lowest temperature, in degrees centigrade, at which vapor from the substance combines with air to form an ignitable mixture.

.....PackingCode (optional).....*HazardPackingCode* Packing criteria for the substance as assigned by IATA/IMDB/ADR/RID. one of the following values: Not Specified, Great Danger, Medium Danger, or Minor Danger.

.....EMSNum (optional).....*string* Emergency procedures for ships carrying the goods.

.....TremCardNum (optional).....*string* Medical first aid guide.

End of repeating element Hazardous

.....NumPkgs (optional)

.....ListOfPackage (optional)

Repeating element Package

.....Package

.....ListOfPackageInfo (optional)

Repeating element PackageInfo

.....PackageInfo.....*PackageInfoCode* The type of coding that appears on the package.

End of repeating element PackageInfo

.....ListOfPackageType (optional)

Repeating element PackageType

.....PackageType

.....TypeCode.....*PackageTypeCode* The type of packaging. One of the following values: None, Other, OnewayPallet, ReturnablePallet, or barrel.

.....TypeCodeOther (optional).....*string* The type of packaging, specified if the value of TypeCode is Other.

.....CodeList (optional).....*string* The name of the code list.

.....Agency (optional)

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other).

.....@AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

.....ListOfDescription (optional)

Repeating element Description

..... Description
..... @Lang.....*LangCode* The ISO code for the language in which the description is written.

End of repeating element Description

..... ListOfDimension (optional)

Repeating element Dimension

..... Dimension
..... @DimName.....*DimensionCode* The name of the dimension being measured.
..... @DimNameOther.....*string* The name of the dimension, specified if the value of DimName is other.
..... @UnitOfMeasure.....*UOMCode* The unit of measurement.
..... @Equality.....*EqualityCode* The relationship (greater than, less than, or equal to) of the measured value to the unit of measurement.

End of repeating element Dimension

..... ListOfPackageMark (optional)

Repeating element PackageMark

..... PackageMark.....*PackageMarkCode* A code indicating how the package should be marked. One of the following values: NoSupplierName, CustomerCoName, CustomerRefs, MinorDanger, or Price.

End of repeating element PackageMark

..... MarkText (optional)
..... ListOfLangString

Repeating element LangString

..... LangString.....*string* Freeform text to appear on the package.
..... @Lang.....*LangCode* The ISO code for the language in which the text string is written.

End of repeating element LangString

..... ListOfPartTreeNode (optional)

Repeating element PartTreeNode

..... PartTreeNode
..... @Relation.....*ParentChild* Indicates whether this node is a Parent or a Child of the related part.
..... PartNum
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.

End of repeating element PartTreeNode

..... ListOfQuantity (optional)

Repeating element Quantity

.....Quantity
Qty.....*Decimal15_3* The quantity of the item.
UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
UOMCode.....*UOMCode* The unit of measurement.
UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

End of repeating element

.....ListOfProdAttribute (optional)

Repeating element

.....ProdAttribute

You MUST choose one of the following: CodedAttribName or AttribName

.....CodedAttribName (optional).....*CodedValue* The code that represents the attribute.

.....CodedValue

.....Agency

.....@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.

.....@AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.

.....CodeList (optional).....*string* The name or description of the code list.

.....Value.....*string* The coded value.

Or

.....AttribName (optional).....The name of the attribute.

.....LangString.....*string* A text string.

.....@Lang.....*LangCode* The ISO code for the language in which the text string is written.

.....CodedAttribValue (optional).....The code that represents the attribute's value.

End of choice between CodedAttribName and AttribName

You MUST choose one of the following: CodedValue, AttribValue, or Measurement

.....CodedValue

.....Agency

.....@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.

.....@AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.

.....CodeList (optional).....*string* The name or description of the code list.

.....Value.....*string* The coded value.

Or

.....AttribValue (optional).....The attribute value in text.
LangString.....*string* A text string.
@Lang.....*LangCode* The ISO code for the language in which the text string is written.

Or

.....Measurement (optional).....*Decimal18_3* The measured value of the attribute.
@UnitOfMeasurement.....*UOMCode* The unit of measurement (for exmple, feet).
@Equality.....*EqualityCode* The relationship of the measured property to the unit of measurement

End of choice among CodedValue, AttribValue, and Measurement

Or

.....CatalogDelete
PartNum.....The part number to be deleted from the catalog.
Agency.....The agency that issued the part number.
@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
@AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
PartID.....*string* The unique identifier for the part.
PartIDExt (optional).....*string* The part number extension.
EffectiveDate.....*date* The date on which the part is to be removed from the catalog.

End of choice between ProdCatDetail and CatalogDelete

End of repeating element ProdCatAction

Examples

```
<ListOfProdCatAction>
  <ProdCatAction>
    <CatalogDelete>
      <PartNum>
        <Agency AgencyID="CommerceOne" />
        <PartID>1732|1812||</PartID>
      </PartNum>
    </CatalogDelete>
  </ProdCatAction>

  <ProdCatAction>
    <ProdCatDetail>
      <ProdAction>Add</ProdAction>

      <PartNum>
        <Agency AgencyID="CommerceOne" />
        <PartID>1732|12345||</PartID>
      </PartNum>
    </ProdCatDetail>
  </ProdCatAction>
</ListOfProdCatAction>
```

```

</PartNum>

<ListOfDescription>
  <Description Lang="EN">500 sheets white paper, 20#</Description>
</ListOfDescription>

<RelatedParts>
  <AdditionalIDs>
    <ListOfPartNum>
      <PartNum>
        <Agency AgencyID="AssignedByBuyer" />
        <PartID>XYZ12345</PartID>
      </PartNum>
      <PartNum>
        <Agency AgencyID="AssignedBySupplier" />
        <PartID>12345</PartID>
      </PartNum>
    </ListOfPartNum>
  </AdditionalIDs>

  <SubstituteFor>
    <ListOfPartNum>
      <PartNum>
        <Agency AgencyID="AssignedBySupplier" />
        <PartID>12386</PartID>
        <PartIDExt>A</PartIDExt>
      </PartNum>
    </ListOfPartNum>
  </SubstituteFor>

  <OtherPartNums>
    <ListOfRelatedPartNum>
      <RelatedPartNum RelatedPartType="Version">
        <Agency AgencyID="AssignedBySupplier" />
        <PartID>123.2</PartID>
      </RelatedPartNum>
    </ListOfRelatedPartNum>
  </OtherPartNums>
</RelatedParts>

```

```

<LeadTimeDays>5</LeadTimeDays>

<LongDesc>
  <ListOfLangString>
    <LangString Lang="EN">A high quality paper product
      designed for professional printing.
    </LangString>
  </ListOfLangString>
</LongDesc>

<ListOfDescInfo>
  <DescInfo>
    <AttribCode>Color</AttribCode>
    <ValueCode>Red</ValueCode>
  </DescInfo>
</ListOfDescInfo>

<UnitOfMeasure>EA</UnitOfMeasure>

<ListOfProdAttribute>
  <ProdAttribute>
    <AttribName>
      <LangString Lang="EN">Fabric</LangString>
    </AttribName>
    <AttribValue>
      <LangString Lang="EN">Red</LangString>
    </AttribValue>
  </ProdAttribute>

  <ProdAttribute>
    <AttribName>
      <LangString Lang="EN">Drawer Height</LangString>
    </AttribName>
    <Measurement UnitOfMeasure="FOT">1.0</Measurement>
  </ProdAttribute>
</ListOfProdAttribute>

```



```
<ListOfAttachment>
  <Attachment Attachment="http://www.mysite.com/xyz.gif">
    <Purpose>Drawing</Purpose>
  </Attachment>
</ListOfAttachment>

<ListOfKeyVal>
  <KeyVal Keyword="User Level">Professional</KeyVal>
  <KeyVal Keyword="Rating">Four Stars</KeyVal>
</ListOfKeyVal>

<CategoryUNSPSC>04378821</CategoryUNSPSC>

<ListOfCategory>
  <Category>
    <CategoryID>Printers</CategoryID>
    <TreeName>SupplierTree</TreeName>
  </Category>
</ListOfCategory>

<CountryOfOrigin>US</CountryOfOrigin>

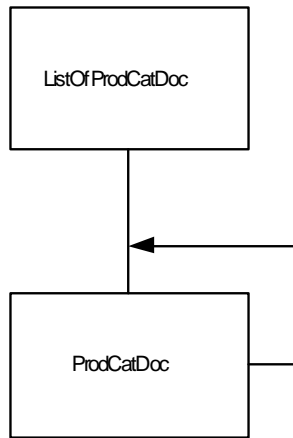
<ListOfSpecialCond>
  <SpecialCond>
    <CondCode>PriceIncludesTax</CondCode>
  </SpecialCond>
</ListOfSpecialCond>

</ProdCatDetail>
</ProdCatAction>
</ListOfProdCatAction>
```

ListOfProdCatDoc

Source Code ProdCatDoc.mod on page 1166

Structure



Contents

ListOfProdCatDoc

Repeating element ProdCatDoc

.....ProdCatDoc

..... DocName (optional).....*DocumentCode* The name of the document.

..... DocNameOther (optional).....*string* The name of the document, specified if the value of DocName is Other.

..... Agency (optional)

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other).

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... DocNum (optional).....*string* The reference number assigned to the document.

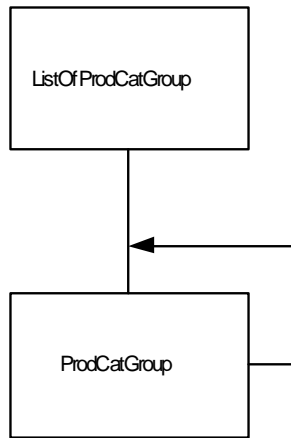
End of repeating element ProdCatDoc

Examples

ListOfProdCatGroup

Source Code ProdCatGroup.mod on page 1168

Structure



Contents

ListOfProdCatGroup

Repeating element ProdCatGroup

.....ProdCatGroup	
..... GroupType.....	.....<i>ProdCatGroupType</i> The characteristic (Catalog, SamePrice, or ProdGroup) by which the products are being grouped.
..... GroupCode (optional).....	.....<i>string</i> The code for the product group.
..... Agency (optional)	
..... @AgencyID.....	.....<i>AgencyCode</i> The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other) that understands the product group code.
..... @AgencyOther.....	.....<i>string</i> The agency that understands the product group code, specified when AgencyID has a value of "Other."
..... GroupName (optional).....	.....<i>string</i> The name of the product group.

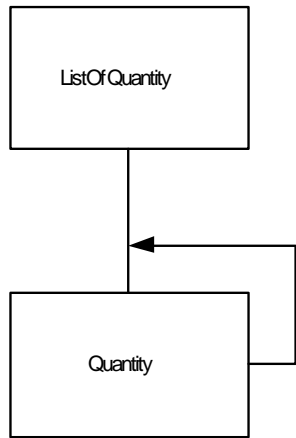
End of repeating element ProdCatGroup

Examples

ListOfQuantity

Source Code Quantity.mod on page 1176

Structure



Contents

ListOfQuantity

Repeating element Quantity

.....Quantity
..... Qty.....*Decimal15_3* The quantity of the item.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

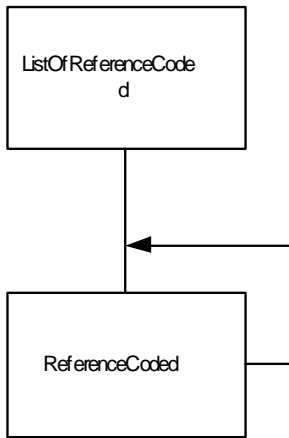
End of repeating element Quantity

Examples

ListOfReferenceCoded

Source Code ReferenceCoded.mod on page 1183

Structure



Contents

ListOfReferenceCoded

Repeating element ReferenceCoded

.....ReferenceCoded

..... Reference

..... RefNum.....*string* The document being referenced.

..... RefDate (optional).....*datetime* The date of the reference.

..... RefCode.....*ReferenceCode* The type of reference (CustRefNum, ContractNum, PrevProdCat, PriceListNum, ProdInqNum, or Other)

..... RefCodeOther (optional).....*string* the type of reference, specified if RefCode has a value of Other.

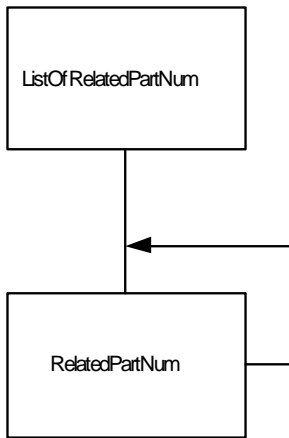
End of repeating element ReferenceCoded

Examples

ListOfRelatedPartNum

Source Code RelatedPartNum.mod on page 1185

Structure



Contents

ListOfRelatedPartNum

Repeating element RelatedPartNum

.....RelatedPartNum

..... @RelatedPartType.....*string* The nature of the relationship between the parts.

..... PartNum

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

End of repeating element RelatedPartNum

Examples

```

<ListOfRelatedPartNum>
  <RelatedPartNum RelatedPartType="Version">

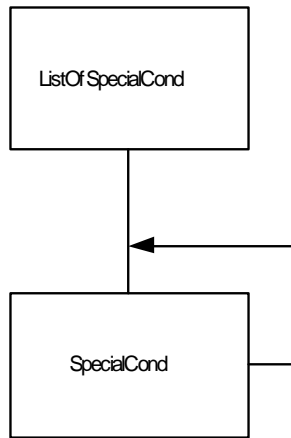
```

```
<Agency AgencyID="AssignedBySupplier" />  
<PartID>123.2</PartID>  
</RelatedPartNum>  
</ListOfRelatedPartNum>
```

ListOfSpecialCond

Source Code SpecialCond.mod on page 1189

Structure



Contents

ListOfSpecialCond

Repeating element SpecialCond

.....SpecialCond

.....CondCode.....*SpecialCondCode* The special condition to which the item is subject. One of the following values: SubjectToBonus, SubjectToCommission, PriceIncludesExcise, PriceIncludesTax, SubjectToExportRestrictions, PromotionalPrice, Service, Loan, Rental, Processing, Exchange, Return, or Other.

.....CondCodeOther (optional).....*string* The special condition to which the item is subject, specified if the value of CondCode is Other.

End of repeating element SpecialCond

Examples

```

<ListOfSpecialCond>
  <SpecialCond>
    <CondCode>PriceIncludesTax</CondCode>
  </SpecialCond>

```

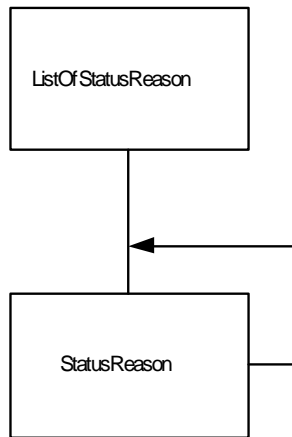

</ListOfSpecialCond>

ListOfStatusReason

The ListOfStatusReason element contains one or more StatusReason elements.

[Source Code](#) Status.mod on page 1191

Structure



Contents

ListOfStatusReason

Repeating element StatusReason

.....StatusReason

..... StatusReasonCodeElement..... *StatusReasonCode* The reason for the purchase order's status.

..... StatusReasonCodeother (optional)..... *string* The reason for the purchase order's status, specified if StatusReasonCodeElement has a value of Other.

End of repeating element StatusReason

Examples

```
<ListOfStatusReason>
  <StatusReason>
    <StatusReasonCodeElement>IncidentAttributedToSeller</StatusReasonCodeElement>
  </StatusReason>
</ListOfStatusReason>
```

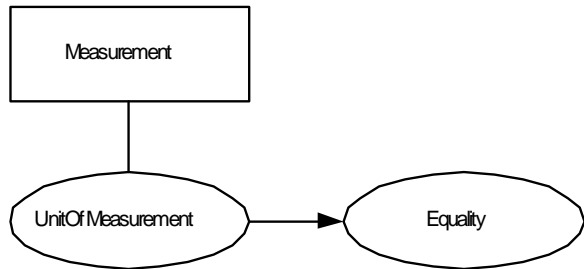
Measurement

The Measurement element contains the value of a measurement. It consists of:

- A UnitOfMeasurement attribute, which specifies the unit in which the measurement is expressed.
- An Equality attribute, which indicates the relationship of the value (for example, greater than or equal to) to the unit of measurement.
- The measured value.

[Source Code](#) Measurement.mod on page 1078

Structure



Contents

Measurement.....*Decimal18_3* The value of the measurement.
.....@UnitOfMeasurement.....*UOMCode* The unit of measurement (for exmple, feet).
.....@Equality.....*EqualityCode* The relationship of the measured property to the unit of measurement.

Examples

```
<Measurement UnitOfMeasure="FOT">1.0</Measurement>
```

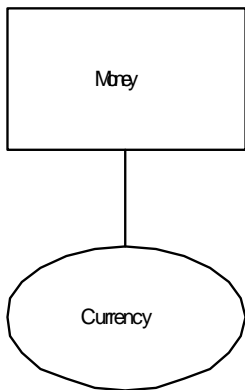
Money

The Money element contains a monetary amount. It consists of:

- A Currency attribute, which specifies the currency in which the amount is expressed.
- A CurrencyOther attribute, which describes nonstandard currencies such as airline mileage points.
- The monetary amount.

[Source Code](#) Money.mod on page 1080

Structure



Contents

Money.....	<i>Decimal15_4</i> The monetary amount.
.....@Currency.....	<i>CurrencyCode</i> The ISO code for the currency in which the amount is expressed.
.....@CurrencyOther.....	<i>string</i> A description of the nonstandard currency (for example, AirlineXMiles) in which the amount is expressed.

Examples

<Money Currency="USD45.95">45.95</Money>

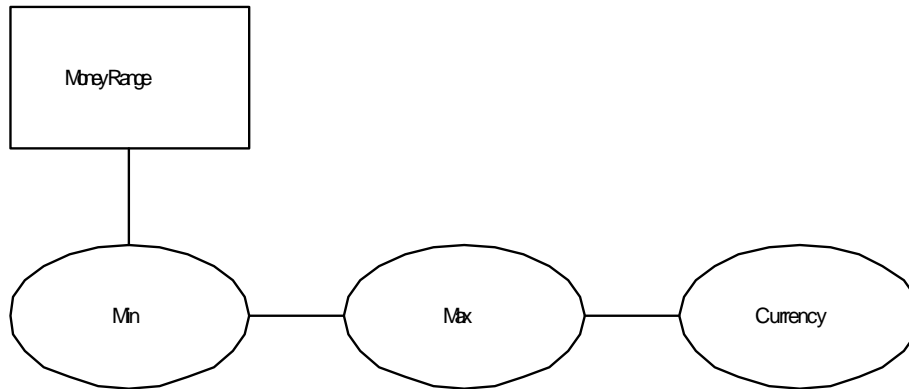
MoneyRange

The MoneyRange element contains a monetary range. It consists of:

- A Min attribute, which specifies the lower end of the range.
- A Max attribute, which specifies the upper end of the range.
- A Currency attribute, which specifies the currency in which the range is expressed.

[Source Code](#) MoneyRange.mod on page 1082

Structure



Contents

MoneyRange.....	The monetary range.
.....@Min.....	<i>Decimal18_3</i> the minimum value for the range.
.....@Max.....	<i>Decimal18_3</i> The maximum value for the range.
.....@Currency.....	<i>CurrencyCode</i> The currency in which the monetary range is expressed.

Examples

```
<MoneyRange Currency="USD" Min="1" Max="1000000"/>
```

MsgRefNum

The MsgRefNum datatype enumerates the values that may be used to indicate a message type. It corresponds to EDIFACT Data Element 0062. Message Reference Number.

Values

The following values MsgRefNum have been defined:

Description	Value
Delivery Schedule Msg	DELFOR
Invoice message	INVOIC
Purchase Order Change Msg	ORDCHG
Purchase Order Msg	ORDERS
Purchase Order Response Msg	ORDRSP
Order Status Enquiry Msg	OSTENQ
Order Status Report Msg	OSTRPT
Part Info Msg	PARTIN
Price/Sales Catalogue Msg	PRICAT
Product Data Msg	PRODAT
Product Inquiry Msg	PROINQ
Quote Msg	QUOTES
Receiving Advice Msg	RECADV
Remittance Advice Msg	REMADV
Request for Quote Msg	REQOTE

[Source Code](#) CommonDataElement.mod on page 1011

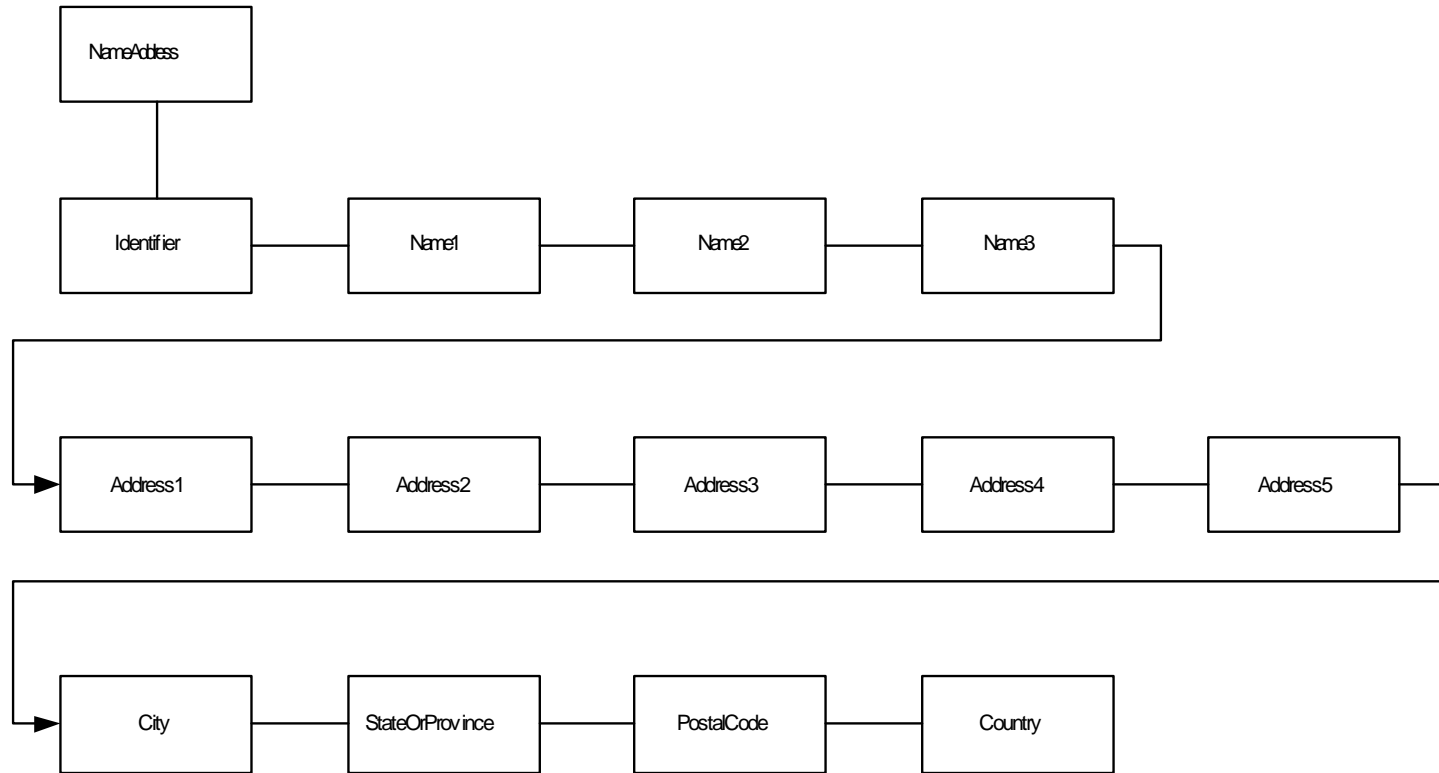
NameAddress

The NameAddress element contains name and address information. It consists of:

- An optional Identifier element, which specifies the individual's identification number.
- A Name1 element, which specifies the first line of the name
- Optional Name2 and Name3 elements, which specify the second and third lines of the name
- An Address1 element, which specifies the first line of the street address
- Optional Address2, Address3, Address4, and Address5 elements, which specify the second through fifth lines of the street address
- A City element, which specifies the name of the city
- A StateOrProvince element, which specifies the name of the city or province
- A PostalCode element, which specifies the zip or postal code
- A Country element, which specifies the name of the country

[Source Code](#) NameAddress.mod on page 1083

Structure



Contents

NameAddress

.....Identifier (optional)

.....Agency

.....@AgencyID.....AgencyCode The standards agency.

.....@AgencyOther.....string The standards agency, used when AgencyID has a value of "Other."

.....Ident.....string The coded identifier.

.....Name1.....string The first line of the name.

.....Name2 (optional).....string The second line of the name.

.....Name3 (optional).....string The third line of the name.

.....Address1.....*string* The first line of the street address.
.....Address2 (optional).....*string* The second line of the street address.
.....Address3 (optional).....*string* The third line of the street address.
.....Address4 (optional).....*string* The fourth line of the street address.
.....Address5 (optional).....*string* The fifth line of the street address.
.....City.....*string* The city.
.....StateOrProvince.....*string* The state or province.
.....PostalCode.....*string* The zip or postal code.
.....Country.....*CountryCode* The two-character country code.

Examples

```
<NameAddress>  
  <Name1>Mr. John Doe</Name1>  
  <Name2>Attention: Business Service Division</Name2>  
  <Address1>1600 Riviera Ave</Address1>  
  <Address2>Suite# 200</Address2>  
  <City>Walnut Creek</City>  
  <StateOrProvince>CA</StateOrProvince>  
  <PostalCode>94596</PostalCode>  
  <Country>US</Country>  
</NameAddress>
```

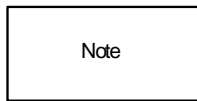
Note

The Note element contains freeform text that may be used for special instructions or notes. It consists of:

- 1 to 60 characters of freeform text.

[Source Code](#) Note.mod on page 1085

Structure



Contents

Note.....*string* 1 to 60 characters of text.

Examples

<Note>This was ordered incorrectly. We need to delete this order.</Note>

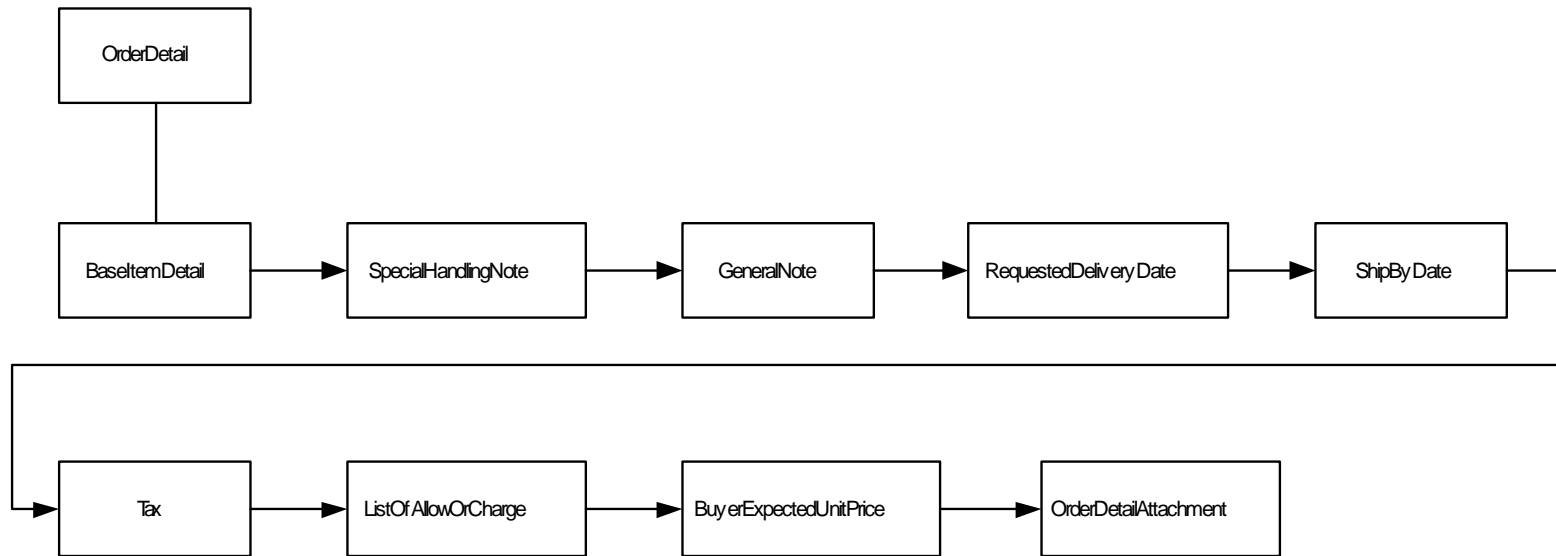
OrderDetail

The OrderDetail element contains information about a line item in a purchase order. It consists of:

- A BaseItemDetail element, which contains identifying information for the line item.
- An optional SpecialHandlingNote element, which provides special handling instructions for the line item.
- An optional GeneralNote element, which provides additional instructions for the line item.
- An optional RequestedDeliveryDate element, which specifies the date and time by which the customer would like to receive the item.
- An optional ShipByDate element, which specifies the date and time by which the item must be shipped for timely delivery.
- An optional Tax element, which contains information about taxes associated with the line item.
- An optional ListOfAlloworCharge element, which contains information about one or more taxes or discounts associated with the item.
- A BuyerExpectedUnitPrice element, which specifies the price the buyer expects to pay per unit of the product.
- An optional OrderDetailAttachment element, which contains information about one or more attachments associated with the item.

[Source Code](#) OrderDetail.mod on page 1086

Structure



Contents

OrderDetail

.....BaseItemDetail	
.....LineItemNum.....	The line number on which the item appears in the order.
.....SubLineItemNum (optional).....	
.....SupplierPartNum (optional).....	The supplier's part number for this item.
.....PartNum	
.....Agency.....	The agency that assigned the supplier's part number.
.....@AgencyID.....	<i>AgencyCode</i> The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
.....@AgencyOther.....	<i>string</i> The standards agency, specified when AgencyID has a value of "Other."
.....PartID.....	<i>string</i> The unique identifier for the part.
.....PartIDExt (optional).....	<i>string</i> The part number extension.
.....BuyerPartNum (optional).....	The buyer's part number for this item.
.....PartNum	
.....Agency.....	The agency that assigned the buyer's part number.

..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

.....ManufacturerPartNum (optional)

..... PartNum

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part number.

..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

.....CommodityCode (optional)

.....ItemDescription (optional)

.....Quantity (optional)

..... Qty.....*Decimal15_3* The quantity of the item that was ordered.

..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

.....MaxBackOrderQuantity (optional)

..... Quantity

..... Qty.....*Decimal15_3* The quantity of the item.

..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

.....FinalRecipient (optional)

..... Party

..... @PartyID

..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... ListOfIdentifier (optional)

..... **Repeating element Identifier**

..... Identifier

.....Agency

..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.

.....@AgencyOther.....*string* The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."

.....Ident

End of repeating element Identifier

.....NameAddress (optional)

.....Identifier (optional)

.....Agency

.....@AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.

.....@AgencyOther.....*string* The standards agency, specifed when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....Name1.....*string* The first line of the name.

.....Name2 (optional).....*string* The second line of the name.

.....Name3 (optional).....*string* The third line of the name.

.....Address1.....*string* The first line of the street address.

.....Address2 (optional).....*string* The second line of the street address.

.....Address3 (optional).....*string* The third line of the street address.

.....Address4 (optional).....*string* The fourth line of the street address.

.....Address5 (optional).....*string* The fifth line of the street address.

.....City.....*string* The city.

.....StateOrProvince.....*string* The state or province.

.....PostalCode.....*string* The zip or postal code.

.....Country.....*CountryCode* The two-character country code.

.....OrderContact (optional)

.....Contact

.....Identifier (optional).....The order contact's identification number.

.....Agency

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification number.

.....@AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

.....ReceivingContact (optional)

.....Contact

.....Identifier (optional).....The receiving contact's identifiacion number.

.....Agency
..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOther.....string The agency that issued the identification number, used when AgencyID has a value of "Other."

.....Ident.....string The coded identifier.
.....ContactName.....string The employee or department name.
.....Telephone.....string The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....string The 1 to 80 character email address.
.....Fax (optional).....string The FAX number.
..... ShippingContact (optional)
..... Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOther.....string The agency that issued the identification number, used when AgencyID has a value of "Other."

.....Ident.....string The coded identifier.
.....ContactName.....string The employee or department name.
.....Telephone.....string The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....string The 1 to 80 character email address.
.....Fax (optional).....string The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded
Repeating element ContactCoded
.....ContactCoded
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....AgencyCode The agency responsible for issuing part numbers.
..... @AgencyOther.....string The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....string The coded identifier.
..... ContactName.....string The employee or department name.
..... Telephone.....string The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....string The 1 to 80 character email address.
..... Fax (optional).....string The FAX number.

.....ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

.....Transport (optional)
@Direction.....*TransitDirection* The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).
Mode (optional).....*TransportMode* The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.
TransportModeOther (optional).....*string* A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.
Mean (optional).....*TransportMean* The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.
TransportMeanOther (optional).....*string* 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.
Carrier (optional).....*CarrierCode* The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other
CarrierOther (optional).....*string* The name of the carrier, specified if the value of Carrier is Other.
CustShippingContractNum (optional).....*string* The 1 to 35 character shipping contract number.
ShippingInstruction (optional).....*string* Brief (up to 256 characters) shipping instructions.
OffCatalogFlag.....*Boolean* True if the item appears in the product catalog; false if it does not.
SpecialHandlingNote (optional).....*string* Special handling instructions.
GeneralNote (optional).....*string* Additional instructions.
RequestedDeliveryDate (optional).....*datetime* The date by which the customer would like to receive the goods.
ShipByDate (optional).....*datetime* The date by which the goods must be shipped for timely delivery.
Tax (optional)
@FuncQual.....*TaxFuncQual* The function of the tax. One of the following values: CustomsDuty or Tax. Default value is Tax.
@Category.....*TaxCategory* The type of tax. One of the following values: Mixed, Exempt, Standard, freeExportItem, Zero, or Other. The default value is Standard.
@Type.....*TaxType* The type of tax. one of the following values: GST or VAT. The default value is GST.
TaxPercent.....*Decimal10_4* The rate of taxation, expressed as a percentage.
Location.....*string* The location of the taxing entity.
TaxId (optional).....*string* The tax identification number.
TaxAmount.....*Decimal18_3* The amount of the tax.
TaxableAmount.....*Decimal18_3* The amount subject to taxation.
ListOfAllowOrCharge

Repeating element AllowOrCharge

.....AllowOrCharge

..... IsCharge.....*Boolean* True if the item is a tax, false if it is a discount.

..... Basis.....*AllowOrChgBasis* The basis (None, Quantity, Percent, Money, or Tax) for the allowance or charge.

..... SeqNo.....*int* The order in which this allowance or charge is applied, relative to other allowances and charges.

..... Desc

..... AllowOrChgDesc

..... RefID (optional).....*string* The supplier's code number for the charge or allowance.

..... ListOfDescription (optional).....*One or more descriptions of the allowance or charge. Each description must be in a different language.*

.....Description.....*string* A description of the allowance or charge.

..... @Lang.....*LangCode* The language in which the description is written.

..... ServiceCode.....*AllowOrChgServCode* The service (None, PickUp, COD, or Handling) with which the allowance or charge is associated.

..... StartDate (optional).....*date* The first date that the allowance or charge applies.

..... EndDate (optional).....*date* The last date that the allowance or charge applies.

Choose one of the following: QuantityRange or MoneyRange

..... QuantityRange (optional)

..... Range.....*The quantity that must be ordered for the allowance or charge to apply.*

..... @UnitOfMeasure.....*UOMCode* The unit of measurement in which the minimum and maximum quantities are expressed.

..... Min.....*Decimal18_3* The minimum quantity to which the allowance or charge applies.

..... Max.....*Decimal18_3* The maximum quantity to which the allowance or charge applies.

Or

..... MoneyRange (optional).....*The monetary amount that must be ordered for the allowance or charge to apply.*

..... @Min.....*Decimal18_3* The minimum monetary amount to which the allowance or charge applies.

..... @Max.....*Decimal18_3* The maximum monetary amount to which the allowance or charge applies.

..... @Currency.....*CurrencyCode* The currency in which the minimum and maximum amounts are expressed.

End of choice between QuantityRange and MoneyRange

Choose one of the following: Quantity, Money, Percent, or Tax

..... Quantity

..... Qty.....*Decimal15_3* The quantity of the product supplied free of charge.

..... UnitOfMeasure.....*The unit of measurement in which the quantity is expressed.*

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

Or

..... Money.....*The discount, expressed as a monetary amount.*

..... @Currency.....*CurrencyCode* The currency in which the discount is expressed.

Or

..... Percent*Decimal10_4* The discount expressed as a percentage of cost.

Or

..... Tax

..... @FuncQual.....*TaxFuncQual* The function (CustomsDuty or Tax) of the charge. The default value is Tax.

..... @Category.....*TaxCategory* The tax category (Other, Mixed, Exempt, Standard, FreeExportItem, or Zero). The default value is Standard.

..... @Type.....*TaxType* The tax type (GST or VAT). The default value is GST.

..... TaxPercent.....*Decimal10_4* The rate of taxation.

..... Location.....*string* The location of the taxing entity.

..... TaxId (optional).....*string* The tax identification number.

..... TaxAmount.....*Decimal18_3* The monetary amount of the tax.

..... TaxableAmount.....*Decimal18_3* The monetary amount subject to taxation.

End of choice among Quantity, Money, Percent, and Tax

End of repeating element AllowOrCharge

.....BuyerExpectedUnitPrice

..... Price

..... UnitPrice.....The product's unit price expressed in a specified currency.

..... @Currency.....*CurrencyCode* The ISO code for the currency in which the unit price is expressed.

..... UnitPrice.....*Decimal15_4* The price for one unit of the product.

..... UnitOfMeasure (optional).....The unit of measurement in which the quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

..... StartDate (optional).....*date* The first date that the price applies.

..... EndDate (optional).....*date* The last date that the price applies.

..... QuantityRange (optional).....The quantity range to which the unit price applies. If not specified, the price applies to all quantities.

..... @UnitOfMeasure.....*UOMCode* The unit of measurement in which the quantities are expressed.

..... Range.....The minimum and maximum quantities included in the range.

..... @Min (optional).....*Decimal18_3* The minimum value included in the range. If not specified, there is no minimum value.

..... @Max (optional).....*Decimal18_3* The maximum value included *in the range*. If not specified, there is no maximum.

.....OrderDetailAttachment

..... Attachment

..... @Attachment.....The URI for the attachment.

..... Purpose.....*string* 1 to 70 character description of the attachment's function (for example, Blueprint).

..... FileName (optional).....*string* 1 to 70 character file name of the attachment.

..... Title (optional).....*string* 1 to 70 character title of the attachment.

..... Language (optional).....*LangCode* The language in which the attachment is written.

Examples

```
<OrderDetail>
  <BaseItemDetail>
    <LineItemNum>1</LineItemNum>
    <SupplierPartNum>
    <PartNum>
      <Agency AgencyID="AssignedBySupplier"/>
      <PartID>12345</PartID>
    </PartNum>
    </SupplierPartNum>
    <ItemDescription>Sanford Highlighting Marker</ItemDescription>
    <Quantity>
      <Qty>000000000001.000</Qty>
      <UnitOfMeasure><UOMCode>EA</UOMCode></UnitOfMeasure>
    </Quantity>
    <Transport Direction="SupplierToBuyer">
      <Mode>Air</Mode>
      <Mean>Express</Mean>
      <Carrier>Fedex</Carrier>
      <CustShippingContractNum>CTOP123</CustShippingContractNum>
      <ShippingInstruction>Please handle with care</ShippingInstruction>
    </Transport>
    <OffCatalogFlag>>false</OffCatalogFlag>
  </BaseItemDetail>
  <BuyerExpectedUnitPrice>
    <Price><UnitPrice>00000000010.0000</UnitPrice></Price>
  </BuyerExpectedUnitPrice>
</OrderDetail>
```

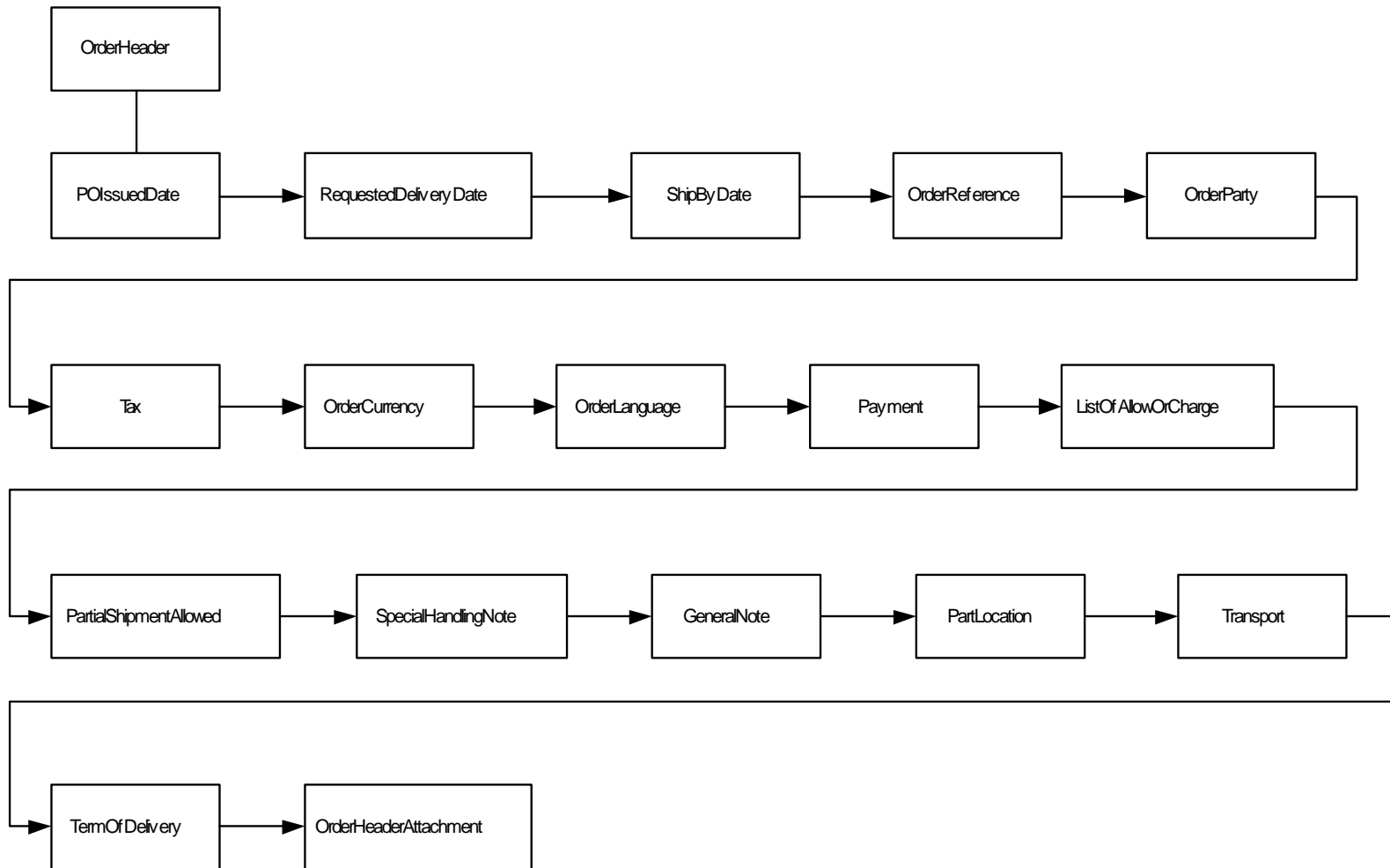
OrderHeader

The OrderHeader element contains information that applies to an entire order. It consists of:

- A POIssuedDate element, which specifies the date and time the purchase order was issued.
- A RequestedDeliveryDate element, which specifies the date and time by which the buyer would like to receive the goods.
- An optional ShipByDate element, which specifies the date and time by which the goods must be shipped to ensure timely delivery.
- An OrderReference element, which specifies the account code and the buyer's reference number for the order.
- An OrderParty element, which provides information about various parties associated with the order.
- An optional Tax element, which provides information about taxes to which the order is subject.
- An OrderCurrency element, which specifies the currency used in the order.
- An OrderLanguage element, which specifies the language in which the order was prepared.
- An optional Payment element, which contains payment instructions and terms.
- An optional ListOfAllowOrCharge element, which contains information about one or more taxes or discounts associated with the order.
- A PartialShipmentAllowed element, which indicates whether the buyer is willing to accept a partial shipment.
- An optional SpecialHandling Note element, which contains special handling instructions.
- An optional GeneralNote element, which contains additional instructions.
- An optional PartLocation element, which specifies the location in which the goods are stored.
- An optional Transport element, which provides information about the transportation method for the goods.
- An optional TermOfDelivery element, which provides information about the terms of delivery.
- An optional OrderHeaderAttachment element, which provides information about one or more files attached to the order.

[Source Code](#) OrderHeader.mod on page 1088

Structure



Contents

OrderHeader

.....POIssuedDate.....datetime The date the purchase order was issued.
.....RequestedDeliveryDate.....datetime The date by which the customer would like to receive the goods.
.....ShipByDate (optional).....datetime The date by which the goods must be shipped to ensure timely delivery.

.....OrderReference

..... AccountCode

..... Reference

..... RefNum.....string The buyer’s account number with this supplier.

..... RefDate (optional).....datetime The date of the reference.

..... BuyerRefNum

..... Reference

..... RefNum.....string The buyer’s purchase order number.

..... RefDate (optional).....datetime The date of the reference.

..... SupplierRefNum (optional)

..... Reference

..... RefNum.....string The supplier’s order number.

..... RefDate (optional).....datetime The date of the reference.

.....ListOfReferenceCoded (optional)

Repeating element ReferenceCoded

..... ReferenceCoded

..... Reference

..... RefNum.....string Another reference number.

..... RefDate (optional).....datetime The date of the reference.

..... RefCode.....ReferenceCode The type of reference (CustRefNum, ContractNum, PrevProdCat, PriceListNum, ProdInqNum, or Other)

..... RefCodeOther (optional).....string The type of reference, specified if RefCode has a value of Other.

End of repeating element ReferenceCoded

.....OrderParty

..... BuyerParty

..... Party

..... @PartyID.....string The identification number for the party.

..... @AgencyID.....AgencyCode The agency that issued the party’s identification number.

..... @AgencyOther.....string The agency that issued the identification number, specified if the value of AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier

..... Agency

..... @AgencyID.....AgencyCode The standards agency.

.....@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.

End of repeating element Identifier

.....NameAddress (optional).....Name and address information for the party.
.....Identifier (optional)

.....Agency

.....@AgencyID.....*AgencyCode* The standards agency.

.....@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.

.....Name1.....*string* The first line of the name.

.....Name2 (optional).....*string* The second line of the name.

.....Name3 (optional).....*string* The third line of the name.

.....Address1.....*string* The first line of the street address.

.....Address2 (optional).....*string* The second line of the street address.

.....Address3 (optional).....*string* The third line of the street address.

.....Address4 (optional).....*string* The fourth line of the street address.

.....Address5 (optional).....*string* The fifth line of the street address.

.....City.....*string* The city.

.....StateOrProvince.....*string* The state or province.

.....PostalCode.....*string* The zip or postal code.

.....Country.....*CountryCode* The two-character country code.

.....OrderContact (optional)

.....Contact

.....Identifier (optional)

.....Agency

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

.....ReceivingContact (optional)

.....Contact

.....Identifier (optional)

.....Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... ShippingContact (optional)

..... Contact

.....Identifier (optional)

.....Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... OtherContacts (optional)

..... ListOfContactCoded

Repeating element ContactCoded

.....ContactCoded

.....Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

.....ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.ListOfIdentifier (optional)

End of repeating element ContactCoded

.....ShipToParty (optional)

.....Party

.....@PartyID.....*string* The identification number for the party.

.....@AgencyID.....*AgencyCode* The agency that issued the party's identification number.

.....@AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

.....ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier

.....Agency

.....@AgencyID.....*AgencyCode* The standards agency.

.....@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

End of repeating element Identifier

.....NameAddress (optional).....Name and address information for the party.

.....Identifier (optional)

.....Agency

.....@AgencyID.....*AgencyCode* The standards agency.

.....@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....Name1.....*string* The first line of the name.

.....Name2 (optional).....*string* The second line of the name.

.....Name3 (optional).....*string* The third line of the name.

.....Address1.....*string* The first line of the street address.

.....Address2 (optional).....*string* The second line of the street address.

.....Address3 (optional).....*string* The third line of the street address.

.....Address4 (optional).....*string* The fourth line of the street address.

.....Address5 (optional).....*string* The fifth line of the street address.

.....City.....*string* The city.

.....StateOrProvince.....*string* The state or province.

.....PostalCode.....*string* The zip or postal code.

.....Country.....*CountryCode* The two-character country code.

.....OrderContact (optional)

.....Contact

.....Identifier (optional)

.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
..... Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded

Repeating element ContactCoded

.....ContactCoded
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.ListOfIdentifier (optional)

End of repeating element ContactCoded

.....SupplierParty
..... Party
..... @PartyID.....*string* The identification number for the party.
..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.
..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier
..... Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.

..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
..... OrderContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
..... Identifier (optional)

.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded

Repeating element ContactCoded

.....ContactCoded
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.ListOfIdentifier (optional)

End of repeating element ContactCoded

.....BillToParty (optional)
..... Party
..... @PartyID.....*string* The identification number for the party.
..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.
..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier

.....Agency
@AgencyID.....AgencyCode The standards agency.
@AgencyOther.....string The standards agency, used when AgencyID has a value of "Other."
Ident.....string The coded identifier.

End of repeating element Identifier

.....NameAddress (optional).....Name and address information for the party.
Identifier (optional)

.....Agency
@AgencyID.....AgencyCode The standards agency.
@AgencyOther.....string The standards agency, used when AgencyID has a value of "Other."
Ident.....string The coded identifier.

.....Name1.....string The first line of the name.
Name2 (optional).....string The second line of the name.
Name3 (optional).....string The third line of the name.
Address1.....string The first line of the street address.
Address2 (optional).....string The second line of the street address.
Address3 (optional).....string The third line of the street address.
Address4 (optional).....string The fourth line of the street address.
Address5 (optional).....string The fifth line of the street address.
City.....string The city.
StateOrProvince.....string The state or province.
PostalCode.....string The zip or postal code.
Country.....CountryCode The two-character country code.

.....OrderContact (optional)
Contact
Identifier (optional)

.....Agency
@AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
@AgencyOther.....string The agency responsible for part numbers, used when AgencyID has a value of "Other."
Ident.....string The coded identifier.

.....ContactName.....string The employee or department name.
Telephone.....string The 1 to 80 character telephone number including country code and area code.
Email (optional).....string The 1 to 80 character email address.
Fax (optional).....string The FAX number.

.....ReceivingContact (optional)
Contact
Identifier (optional)

.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded
Repeating element ContactCoded
.....ContactCoded
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.

.....ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.ListOfIdentifier (optional)

End of repeating element ContactCoded

.....ListOfPartyCoded (optional)

Repeating element PartyCoded

.....PartyCoded

.....Party

.....@PartyID.....*string* The identification number for the party.

.....@AgencyID.....*AgencyCode* The agency that issued the party's identification number.

.....@AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

.....ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier

.....Agency

.....@AgencyID.....*AgencyCode* The standards agency.

.....@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

End of repeating element Identifier

.....NameAddress (optional).....Name and address information for the party.

.....Identifier (optional)

.....Agency

.....@AgencyID.....*AgencyCode* The standards agency.

.....@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....Name1.....*string* The first line of the name.

.....Name2 (optional).....*string* The second line of the name.

.....Name3 (optional).....*string* The third line of the name.

.....Address1.....*string* The first line of the street address.

.....Address2 (optional).....*string* The second line of the street address.

.....Address3 (optional).....*string* The third line of the street address.

.....Address4 (optional).....*string* The fourth line of the street address.

.....Address5 (optional).....*string* The fifth line of the street address.

.....City.....*string* The city.

.....StateOrProvince.....*string* The state or province.

.....PostalCode.....*string* The zip or postal code.

.....Country.....*CountryCode* The two-character country code.

.....OrderContact (optional)

.....Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
.....Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
.....Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)

.....ListOfContactCoded

Repeating element ContactCoded

.....ContactCoded

..... Contact

..... Identifier (optional)

..... Agency

.....@AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

.....@AgencyOther... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

..... ContactFunctionCode..... *ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... PartyRole..... *PartyRoleCode* The role of the party. One of the following values: Buyer, Supplier, CentralCatParty, StoreNumber, SuppAgent, ProdInqNum, or Other.

..... PartyRoleOther (optional)..... *string* The role of the party, specified if the value of PartyRole is Other.

End of repeating element PartyCoded

.....Tax (optional)

..... @FuncQual..... *TaxFuncQual* The function of the tax. One of the following values: CustomsDuty or Tax. Default value is Tax.

..... @Category..... *TaxCategory* The type of tax. One of the following values: Mixed, Exempt, Standard, freeExportItem, Zero, or Other. The default value is Standard.

..... @Type..... *TaxType* The type of tax. one of the following values: GST or VAT. The default value is GST.

..... TaxPercent..... *Decimal10_4* The rate of taxation, expressed as a percentage.

..... Location..... *string* The location of the taxing entity.

..... TaxId (optional)..... *string* The tax identification number.

..... TaxAmount..... *Decimal18_3* The amount of the tax.

..... TaxableAmount..... *Decimal18_3* The amount subject to taxation.

..... OrderCurrency..... *CurrencyCode* The ISO code for the default currency of the purchase order .

..... OrderLanguage..... *LangCode* The default language of the purchase order.

.....Payment (optional)	
..... PaymentMean.....	<i>PaymentMeanCode</i> The means of payment. One of the following values: COD, Check, CreditCard, DebitCard, Invoice, or Other.
..... PaymentMeanOther (optional).....	<i>string</i> The 1- to 70-character means of payment, specified when PaymentMean has a value of Other.
..... PaymentTerm.....	<i>PaymentTermCode</i> The payment terms. One of the following values: Basic, Fixeddate, BasicDiscount, Instant, Discount, or Other.
..... PaymentTermOther (optional).....	<i>string</i> A 1- to 70-character description of the payment terms, specified when the value of PaymentTerm is Other.
..... DiscountPercent (optional).....	<i>Decimal10_4</i> The percentage discount offered for timely payment.
..... DiscountDaysDue (optional).....	<i>int</i> The number of days after DiscountTimeRef for which DiscountTimeRef is available.
..... DiscountTimeRef (optional).....	<i>PaymentTimeRef</i> The event relative to which the payment due date is calculated. One of the following values: InvoiceDate, SpecifiedDate, ShipmentDate, GoodsReceivedByBuyerDate, TransportArrivalDate, or Other.
..... DiscountTimeRefOther (optional).....	<i>string</i> The event relative to which the payment due date is calculated if the value of DiscountTimeRef is Other.
..... NetDaysDue (optional).....	<i>int</i> The number of days after NetTimeRef before payment is due.
..... NetTimeRef (optional).....	<i>PaymentTimeRef</i> The event relative to which the payment due date is calculated. One of the following values: InvoiceDate, SpecifiedDate, ShipmentDate, GoodsReceivedByBuyerDate, TransportArrivalDate, or Other.
..... NetTimeRefOther (optional).....	<i>string</i> The event relative to which the payment due date is calculated if NetTimeRef has a value of Other.
..... CardInfo (optional)	
..... CardNum.....	<i>string</i> The 1- to 17-character charge card number.
..... CardAuthCode (optional).....	<i>string</i> The 1- to 35-character charge card authorization code.
..... CardRefNum (optional).....	<i>string</i> The 1- to 35-character customer reference number.
..... CardExpirationDate.....	<i>datetime</i> The charge card expiration date in YYMMDD format.
..... CardType (optional).....	<i>CardTypeCode</i> The type (AMEX, VISA, MC, Discover, JCB, Diners, or Other) of credit card being used.
..... CardTypeOther (optional).....	<i>string</i> The 1- to 70-character credit card type, specified if CardType has a value of Other.
..... CardHolderName (optional).....	<i>string</i> The 1- to 30-character name imprinted on the credit card.
.....ListOfAllowOrCharge (optional)	
Repeating element AllowOrCharge	
..... AllowOrCharge	
..... IsCharge.....	<i>Boolean</i> True if the item is a tax, false if it is a discount.
..... Basis.....	<i>AllowOrChgBasis</i> The basis (None, Quantity, Percent, Money, or Tax) for the allowance or charge.

..... SeqNo.....*int* The order in which this allowance or charge is applied, relative to other allowances and charges.

..... Desc

..... AllowOrChgDesc

..... RefID (optional).....*string* The supplier's code number for the charge or allowance.

..... ListOfDescription (optional).....One or more descriptions of the allowance or charge. Each description must be in a different language.

.....Description.....*string* A description of the allowance or charge.

..... @Lang.....*LangCode* The language in which the description is written.

..... ServiceCode.....*AllowOrChgServCode* The service (None, PickUp, COD, or Handling) with which the allowance or charge is associated.

..... StartDate (optional).....*date* The first date that the allowance or charge applies.

..... EndDate (optional).....*date* The last date that the allowance or charge applies.

Choose one of the following: QuantityRange or MoneyRange

..... QuantityRange (optional)

..... Range.....The quantity that must be ordered for the allowance or charge to apply.

..... Min.....*Decimal18_3* The minimum quantity to which the allowance or charge applies.

..... Max.....*Decimal18_3* The maximum quantity to which the allowance or charge applies.

..... @UnitOfMeasure.....*UOMCode* The unit of measurement in which the minimum and maximum quantities are expressed.

Or

..... MoneyRange (optional).....The monetary amount that must be ordered for the allowance or charge to apply.

..... @Min.....*Decimal18_3* The minimum monetary amount to which the allowance or charge applies.

..... @Max.....*Decimal18_3* The maximum monetary amount to which the allowance or charge applies.

..... @Currency.....*CurrencyCode* The currency in which the minimum and maximum amounts are expressed.

End of choice between QuantityRange and MoneyRange

Choose one of the following: Quantity, Money, Percent, or Tax

..... Quantity

..... Qty.....*Decimal15_3* The quantity of the product supplied free of charge.

..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

Or

..... Money.....The discount, expressed as a monetary amount.

..... @Currency.....*CurrencyCode* The currency in which the discount is expressed.

Or

..... Percent.....*Decimal10_4* The discount expressed as a percentage of cost.

Or

..... Tax	
..... TaxPercent.....	<i>Decimal10_4</i> The rate of taxation.
..... Location.....	<i>string</i> The location of the taxing entity.
..... TaxId (optional).....	<i>string</i> The tax identification number.
..... TaxAmount.....	<i>Decimal18_3</i> The monetary amount of the tax.
..... TaxableAmount.....	<i>Decimal18_3</i> The monetary amount subject to taxation.
..... @FuncQual.....	<i>TaxFuncQual</i> The function (CustomsDuty or Tax) of the charge. The default value is Tax.
..... @Category.....	<i>TaxCategory</i> The tax category (Other, Mixed, Exempt, Standard, FreeExportItem, or Zero). The default value is Standard.
..... @Type.....	<i>TaxType</i> The tax type (GST or VAT). The default value is GST.
End of choice among Quantity, Money, Percent, and Tax	
End of repeating element AllowOrCharge	
.....PartialShipmentAllowed.....	<i>Boolean</i> True if the buyer is willing to accept partial shipment; false otherwise.
.....SpecialHandlingNote (optional).....	<i>string</i> Special handling instructions.
.....GeneralNote (optional).....	<i>string</i> Other instructions.
.....PartLocation (optional).....	<i>string</i> The location of the part.
.....Transport (optional)	
..... @Direction.....	<i>TransitDirection</i> The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).
..... Mode (optional).....	<i>TransportMode</i> The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.
..... TransportModeOther (optional).....	<i>string</i> A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.
..... Mean (optional).....	<i>TransportMean</i> The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.
..... TransportMeanOther (optional).....	<i>string</i> 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.
..... Carrier (optional).....	<i>CarrierCode</i> The name of the carrier. One of the following values: (None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other
..... CarrierOther (optional).....	<i>string</i> The name of the carrier, specified if the value of Carrier is Other.
..... CustShippingContractNum (optional).....	<i>string</i> The 1 to 35 character shipping contract number.
..... ShippingInstruction (optional).....	<i>string</i> Brief (up to 256 characters) shipping instructions.
.....TermOfDelivery (optional)	
..... @TODFunction_a.....	<i>TODFunction</i> ???
..... Code.....	<i>TODCode</i> The terms of delivery. One of the following values: ContactBeforeDelivery, CashOnDelivery, FOB, FOA, FOR, or Other
..... TODCodeOther (optional).....	<i>string</i> The terms of delivery, specified if Code has a value of Other.
..... FOBCity (optional).....	<i>string</i> The city to which the goods are being delivered. For example, San Francisco, CA.

..... FOBLocation (optional).....*string* The freight on board location of the goods. For example, SFO-Delta Airlines Warehouse.

..... FOBInstruction (optional).....*string* Freight on board instructions.

..... ShippingPaymentMethod (optional).....*ShippingPaymentMethodCode* The method used to pay shipping charges. one of the following values: Collect, PrepaidChargeCust, PrepaidOnly, PrepaidBySeller, Pickup, PaidByBuyer, ThirdPartyPay, PaidBySeller, PerContract, or Other.

..... ShippingPaymentMethodOther (optional).....*string* The method used to pay shipping charges, specified if the value of ShippingPaymentMethod is Other.

..... TODFunctionOther (optional).....*string* ???

.....OrderHeaderAttachment (optional)

..... Attachment

..... @Attachment.....The URI for the attachment.

..... Purpose.....*string* 1 to 70 character description of the attachment's function (for example, Blueprint).

..... FileName (optional).....*string* 1 to 70 character file name of the attachment.

..... Title (optional).....*string* 1 to 70 character title of the attachment.

..... Language (optional).....*LangCode* The language in which the attachment is written.

Examples

```
<OrderHeader>
  <!-- 19990805 -->
  <POIssuedDate>19990805T01:01:01</POIssuedDate>
  <RequestedDeliveryDate>19990807T01:01:01</RequestedDeliveryDate>
  <ShipByDate>19990809T01:01:01</ShipByDate>
  <OrderReference>
    <!-- An account is an agreement between a buyer and a supplier, specified
         by the account code. Remember that an agreement can consist of
         multiple contracts. Agreement is not the same as contract.
         An agreement 'contains' contract(s). -->
    <AccountCode><Reference><RefNum>CTOP</RefNum></Reference> </AccountCode>

    <!--BuyerRefNum = Buyer's PO number. -->
    <BuyerRefNum><Reference><RefNum>100</RefNum></Reference></BuyerRefNum>
    <!-- Notice I don't put the SupplierRefNum because it is optional -->
    <SupplierRefNum><Reference><RefNum>500</RefNum></Reference>
  </SupplierRefNum>
</OrderReference>
<OrderParty>
  <BuyerParty>
    <Party>
```

```
<NameAddress>
  <Name1>Mr. John Doe</Name1>
  <Name2>Attention: Business Service Division</Name2>
  <Address1>1600 Riviera Ave</Address1>
  <Address2>Suite# 200</Address2>
  <City>Walnut Creek</City>
  <StateOrProvince>CA</StateOrProvince>
  <PostalCode>94596</PostalCode>
  <Country>US</Country>
</NameAddress>
<OrderContact>
  <Contact>
    <ContactName>Mr. Mark Smith</ContactName>
    <Telephone>(925) 941-3333</Telephone>
    <Email>mark.smith@commerceone.com</Email>
    <Fax>(925) 941-4555</Fax>
  </Contact>
</OrderContact>
<ReceivingContact>
  <Contact>
    <ContactName>Ms. Jane Jones</ContactName>
    <Telephone>(925) 941-2222</Telephone>
    <Email>jane.jones@commerceone.com</Email>
    <Fax>(925) 941-4555</Fax>
  </Contact>
</ReceivingContact>
<ShippingContact>
  <Contact>
    <ContactName>Ms. Bridget Robins</ContactName>
    <Telephone>(925) 941-1111</Telephone>
    <Email>bridget.robins@commerceone.com</Email>
    <Fax>(925) 941-4555</Fax>
  </Contact>
</ShippingContact>
</Party>
</BuyerParty>
<SupplierParty>
  <Party>
    <NameAddress>
```

```
<Name1>Millenium Supplier Corporation</Name1>
<Name2>Attention: Office Supply Division</Name2>
<Address1>355 Alameda Street</Address1>
<Address2>Suite 100</Address2>
<City>San Jose</City>
<StateOrProvince>CA</StateOrProvince>
<PostalCode>94588</PostalCode>
<Country>US</Country>
</NameAddress>
</Party>
</SupplierParty>
</OrderParty>
<Tax>
  <TaxPercent>000010.0000</TaxPercent>
  <Location>Walnut Creek</Location>
  <!-- TaxId is only required if category is exempt -->
  <TaxId>12345</TaxId>
  <TaxAmount>00000000000100.000</TaxAmount>
  <TaxableAmount>000000000001000.000</TaxableAmount>
</Tax>
<OrderCurrency>USD</OrderCurrency> <!-- US Dollar -->
<OrderLanguage>en</OrderLanguage> <!-- EN=English -->

<Payment>
  <PaymentMean>CreditCard</PaymentMean>
  <PaymentTerm>Discount</PaymentTerm>
  <DiscountPercent>000005.0000</DiscountPercent>
  <DiscountDaysDue>10</DiscountDaysDue>
  <DiscountTimeRef>InvoiceDate</DiscountTimeRef>
  <NetDaysDue>30</NetDaysDue>
  <NetTimeRef>InvoiceDate</NetTimeRef>
  <CardInfo>
    <CardNum>1234432112344321</CardNum>
    <CardAuthCode>JUBF123</CardAuthCode>
    <CardRefNum>123</CardRefNum>
    <CardExpirationDate>20000805T01:01:01</CardExpirationDate>
    <CardType>AMEX</CardType>
    <CardHolderName>Mr. Joe Smith</CardHolderName>
  </CardInfo>
```


</Payment>

<ListOfAllowOrCharge>

<AllowOrCharge>

<IsCharge>>true</IsCharge>

<Basis>Quantity</Basis>

<SeqNo>4</SeqNo>

<Desc>

<AllowOrChgDesc>

<RefID>YY667</RefID>

<ListOfDescription><Description>common, brown, thing</Description></ListOfDescription>

<ServiceCode>PickUp</ServiceCode>

</AllowOrChgDesc>

</Desc>

<QuantityRange Min="1" Max="9" UnitOfMeasure="1A"></QuantityRange>

<Quantity>

<Qty>4</Qty>

<UnitOfMeasure>

<UOMCode>1A</UOMCode>

</UnitOfMeasure>

</Quantity>

</AllowOrCharge>

</ListOfAllowOrCharge>

<PartialShipmentAllowed>>true</PartialShipmentAllowed>

<SpecialHandlingNote>Please don't shake it.</SpecialHandlingNote>

<GeneralNote>Rush it please.</GeneralNote>

<PartLocation>Oakland</PartLocation>

<Transport Direction="SupplierToBuyer">

<Mode>Air</Mode>

<Mean>Express</Mean>

<Carrier>Fedex</Carrier>

<CustShippingContractNum>CTOP123</CustShippingContractNum>

<ShippingInstruction>Please handle with care</ShippingInstruction>

</Transport>

<TermOfDelivery TODFunction_a="Delivery" >

<Code>FOB</Code>
<FOBCity>San Francisco</FOBCity>
<FOBLocation>SFO Delta Airline Warehouse</FOBLocation>
<FOBInstruction>Talk to the company agent in isle 2</FOBInstruction>
<ShippingPaymentMethod>PrepaidBySeller</ShippingPaymentMethod>
</TermOfDelivery>

<OrderHeaderAttachment>
<ListOfAttachment>
<Attachment Attachment="http://www.temporary.com/Pleasantondome.doc" >
<Purpose>BluePrint</Purpose>
</Attachment>
</ListOfAttachment>
</OrderHeaderAttachment>

</OrderHeader>

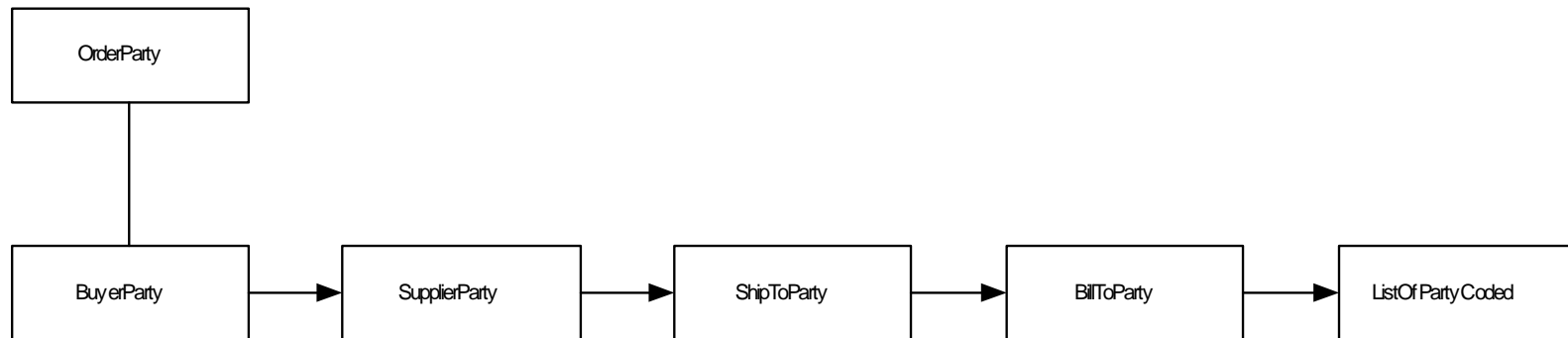
OrderParty

The OrderParty element contains name and address information for the buyer, supplier, and other parties associated with a purchase order. It consists of:

- A BuyerParty element, which provides name and address information for buying parties.
- A SupplierParty element, which provides name and address information for supplier parties.
- An optional ShipToParty element, which provides name and address information for the party to whom the goods are being shipped.
- An optional BillToParty element, which provides name and address information for the party being billed for the order.
- An optional ListOfPartyCoded element, which provides name and address information for other parties related to the order.

[Source Code](#) OrderParty.mod on page 1090

Structure



Contents

OrderParty

.....BuyerParty

..... Party

..... @PartyID.....*string* The identification number for the party.

..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier

..... Agency

..... @AgencyID.....*AgencyCode* The standards agency.

..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The standards agency.

..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... Name1.....*string* The first line of the name.

..... Name2 (optional).....*string* The second line of the name.

..... Name3 (optional).....*string* The third line of the name.

..... Address1.....*string* The first line of the street address.

..... Address2 (optional).....*string* The second line of the street address.

..... Address3 (optional).....*string* The third line of the street address.

..... Address4 (optional).....*string* The fourth line of the street address.

..... Address5 (optional).....*string* The fifth line of the street address.

..... City.....*string* The city.

..... StateOrProvince.....*string* The state or province.

..... PostalCode.....*string* The zip or postal code.

..... Country.....*CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded
Repeating element ContactCoded
..... ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."

..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.ListOfIdentifier (optional)

End of repeating element ContactCoded

.....ShipToParty (optional)
..... Party
..... @PartyID.....*string* The identification number for the party.
..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier
..... Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.

..... PostalCode.....*string* The zip or postal code.

..... Country.....*CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ReceivingContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ShippingContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... OtherContacts (optional)

..... ListOfContactCoded

Repeating element ContactCoded

..... ContactCoded

.....Contact

.....Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

.....ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.ListOfIdentifier (optional)

End of repeating element ContactCoded

.....SupplierParty

..... Party

..... @PartyID.....*string* The identification number for the party.

..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier

..... Agency

.....@AgencyID.....*AgencyCode* The standards agency.

.....@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.

..... Identifier (optional)

..... Agency

.....@AgencyID.....*AgencyCode* The standards agency.

.....@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... Name1.....*string* The first line of the name.

..... Name2 (optional).....*string* The second line of the name.

..... Name3 (optional).....*string* The third line of the name.

..... Address1.....*string* The first line of the street address.

..... Address2 (optional).....*string* The second line of the street address.

..... Address3 (optional).....*string* The third line of the street address.

..... Address4 (optional).....*string* The fourth line of the street address.

..... Address5 (optional).....*string* The fifth line of the street address.

..... City.....*string* The city.

..... StateOrProvince.....*string* The state or province.

..... PostalCode.....*string* The zip or postal code.

..... Country.....*CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ReceivingContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded

Repeating element ContactCoded

..... ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact,
ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.ListOfIdentifier
(optional)

End of repeating element ContactCoded

.....BillToParty (optional)
..... Party
..... @PartyID.....*string* The identification number for the party.
..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier

..... Agency

..... @AgencyID.....*AgencyCode* The standards agency.

..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The standards agency.

..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... Name1.....*string* The first line of the name.

..... Name2 (optional).....*string* The second line of the name.

..... Name3 (optional).....*string* The third line of the name.

..... Address1.....*string* The first line of the street address.

..... Address2 (optional).....*string* The second line of the street address.

..... Address3 (optional).....*string* The third line of the street address.

..... Address4 (optional).....*string* The fourth line of the street address.

..... Address5 (optional).....*string* The fifth line of the street address.

..... City.....*string* The city.

..... StateOrProvince.....*string* The state or province.

..... PostalCode.....*string* The zip or postal code.

..... Country.....*CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded
Repeating element ContactCoded
..... ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."

..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.ListOfIdentifier (optional)

End of repeating element ContactCoded

.....ListOfPartyCoded (optional)

Repeating element PartyCoded

..... PartyCoded
..... Party
..... @PartyID.....*string* The identification number for the party.
..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier
..... Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.

..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.

..... City.....*string* The city.

..... StateOrProvince.....*string* The state or province.

..... PostalCode.....*string* The zip or postal code.

..... Country.....*CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

.....Identifier (optional)

.....Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... ReceivingContact (optional)

..... Contact

.....Identifier (optional)

.....Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... ShippingContact (optional)

..... Contact

.....Identifier (optional)

.....Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.
Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
Email (optional).....*string* The 1 to 80 character email address.
Fax (optional).....*string* The FAX number.
 OtherContacts (optional)
 ListOfContactCoded

Repeating element ContactCoded

.....ContactCoded
Contact
 Identifier (optional)
 Agency
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
 @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.
 ContactName.....*string* The employee or department name.
 Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
 Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
 ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... PartyRole.....*PartyRoleCode* The role of the party. One of the following values: Buyer, Supplier, CentralCatParty, StoreNumber, SuppAgent, ProdInqNum, or Other.
 PartyRoleOther (optional).....*string* The role of the party, specified if the value of PartyRole is Other.

End of repeating element PartyCoded

Examples

```
<OrderParty>
  <BuyerParty>
    <Party>
      <NameAddress>
        <Name1>Mr. Muljadi Sulistio</Name1>
        <Name2>Attention: Business Service Division</Name2>
        <Address1>1600 Riviera Ave</Address1>
        <Address2>Suite# 200</Address2>
        <City>Walnut Creek</City>
```

<StateOrProvince>CA</StateOrProvince>
<PostalCode>94596</PostalCode>
<Country>US</Country>
</NameAddress>
<OrderContact>
 <Contact>
 <ContactName>Mr. Mike Holloway</ContactName>
 <Telephone>(925) 941-3333</Telephone>
 <Email>mike.holloway@commerceone.com</Email>
 <Fax>(925) 941-4555</Fax>
 </Contact>
</OrderContact>
<ReceivingContact>
 <Contact>
 <ContactName>Mr. Debbie Dub</ContactName>
 <Telephone>(925) 941-2222</Telephone>
 <Email>debbie.dub@commerceone.com</Email>
 <Fax>(925) 941-4555</Fax>
 </Contact>
</ReceivingContact>
<ShippingContact>
 <Contact>
 <ContactName>Ms. John Wayne</ContactName>
 <Telephone>(925) 941-1111</Telephone>
 <Email>john.wayne@commerceone.com</Email>
 <Fax>(925) 941-4555</Fax>
 </Contact>
</ShippingContact>
</Party>
</BuyerParty>
<SupplierParty>
 <Party>
 <NameAddress>
 <Name1>Millenium Supplier Corporation</Name1>
 <Name2>Attention: Office Supply Division</Name2>
 <Address1>355 Alameda Street</Address1>
 <Address2>Suite 100</Address2>
 <City>San Jose</City>
 <StateOrProvince>CA</StateOrProvince>

<PostalCode>94588</PostalCode>
<Country>US</Country>
</NameAddress>
</Party>
</SupplierParty>
</OrderParty>

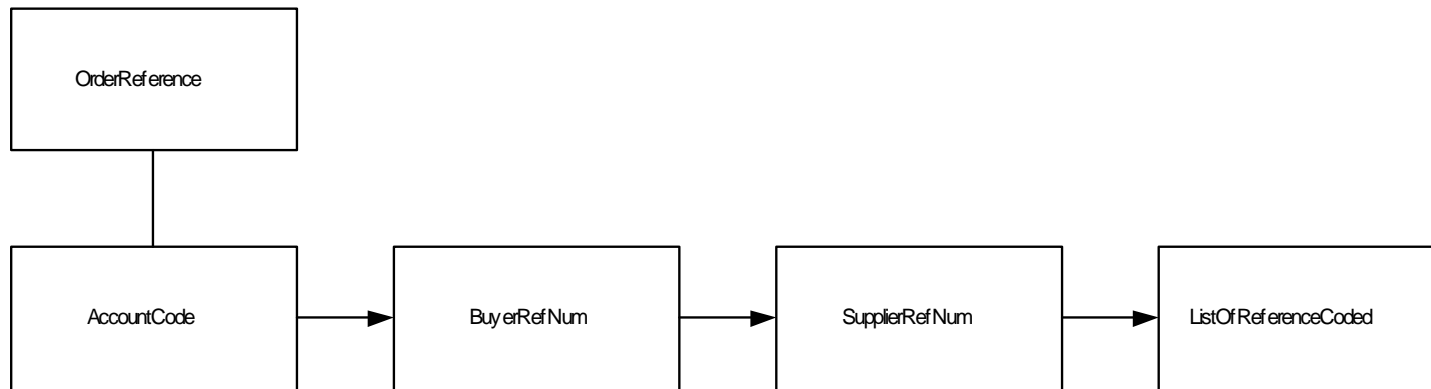
OrderReference

The OrderReference element contains information that may be used to identify a purchase order. It consists of:

- An AccountCode element, which contains the buyer's account code with the supplier.
- A BuyerRefNum element, which specifies the buyer's purchase order number.
- An optional SupplierRefNum element, which specifies the supplier's order number.
- An optional ListOfReferenceCoded element, which contains other reference information such as the reference number in the buyer's catalog.

[Source Code](#) OrderReference.mod on page 1091

Structure



Contents

OrderReference

.....AccountCode

.....Reference

.....RefNum.....*string* The buyer's account number with this supplier.

.....RefDate (optional).....*datetime* The date of the reference.

.....BuyerRefNum

.....Reference

.....RefNum.....*string* The buyer's purchase order number.

..... RefDate (optional).....*datetime* The date of the reference.
SupplierRefNum (optional)
 Reference
 RefNum.....*string* The supplier's order number.
 RefDate (optional).....*datetime* The date of the reference.
ListOfReferenceCoded (optional)
 ReferenceCoded
 Reference
 RefNum.....*string* Another reference number.
 RefDate (optional).....*datetime* The date of the reference.
 RefCode.....*ReferenceCode* The type of reference (CustRefNum, ContractNum, PrevProdCat,
 PriceListNum, ProdInqNum, or Other)
 RefCodeOther (optional).....*string* The type of reference, specified if RefCode has a value of Other.

Examples

<OrderReference>

<!-- An account is an agreement between a buyer and a supplier, specified
 by the account code. Remember that an agreement can consists of
 multiple contracts. Agreement is not the same as contract.
 An agreement 'contains' contract(s). -->

<AccountCode><Reference><RefNum>CTOP</RefNum></Reference> </AccountCode>

<!--BuyerRefNum = Buyer's PO number. -->

<BuyerRefNum><Reference><RefNum>100</RefNum></Reference></BuyerRefNum>

<!-- Notice I don't put the SupplierRefNum because it is optional -->

<SupplierRefNum><Reference><RefNum>500</RefNum></Reference>

</SupplierRefNum>

</OrderReference>

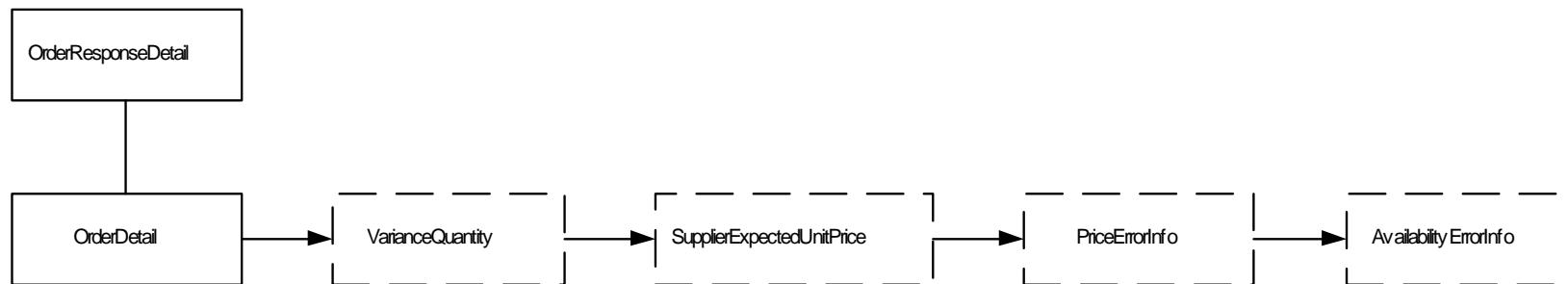
OrderResponseDetail

The OrderResponseDetail element contains the quantity of an item on backorder and the expected unit price. It consists of:

- An OrderDetail element
- An optional VarianceQuantity element
- An optional SupplierExpectedUnitPrice element
- An optional PriceErrorInfo element
- An optional AvailabilityErrorInfo element

[Source Code](#) OrderResponseDetail.mod on page 1093

Structure



Contents

OrderResponseDetail	
.....OrderDetail	
..... BaseItemDetail	
..... LineItemNum.....	The line number on which the item appears in the order.
..... SubLineItemNum (optional).....	
..... SupplierPartNum (optional).....	The supplier's part number for this item.
..... PartNum	
..... Agency.....	The agency that assigned the supplier's part number.
..... @AgencyID.....	<i>AgencyCode</i> The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

.....@AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... BuyerPartNum (optional).....The buyer's part number for this item.

..... PartNum

..... Agency.....The agency that assigned the buyer's part number.

.....@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

.....@AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... ManufacturerPartNum (optional)

..... PartNum

..... Agency

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part number.

.....@AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... CommodityCode (optional)

..... ItemDescription (optional)

..... Quantity (optional)

..... Qty.....*Decimal15_3* The quantity of the item that was ordered.

..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

..... MaxBackOrderQuantity (optional)

..... Quantity

..... Qty.....*Decimal15_3* The quantity of the item.

..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

..... FinalRecipient (optional)

..... Party

..... @PartyID

..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier

.....Agency

..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.

..... @AgencyOther.....*string* The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."

.....Ident

End of repeating element Identifier

..... NameAddress (optional)

.....Identifier (optional)

.....Agency

..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.

..... @AgencyOther.....*string* The standards agency, specifed when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

.....Name1.....*string* The first line of the name.

.....Name2 (optional).....*string* The second line of the name.

.....Name3 (optional).....*string* The third line of the name.

.....Address1.....*string* The first line of the street address.

.....Address2 (optional).....*string* The second line of the street address.

.....Address3 (optional).....*string* The third line of the street address.

.....Address4 (optional).....*string* The fourth line of the street address.

.....Address5 (optional).....*string* The fifth line of the street address.

.....City.....*string* The city.

.....StateOrProvince.....*string* The state or province.

.....PostalCode.....*string* The zip or postal code.

.....Country.....*CountryCode* The two-character country code.

..... OrderContact (optional)

.....Contact

..... Identifier (optional).....The order contact's identification number.

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
.....Contact
.....Identifier (optional).....The receiving contact's identification number.
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value
of "Other."
..... Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
.....Contact
.....Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value
of "Other."
..... Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
.....ListOfContactCoded
Repeating element ContactCoded
.....ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
.....@AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.
.....@AgencyOther... ..*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.
 Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
 Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
 ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... Transport (optional)
 @Direction.....*TransitDirection* The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).
 Mode (optional).....*TransportMode* The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.
 TransportModeOther (optional).....*string* A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.
 Mean (optional).....*TransportMean* The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.
 TransportMeanOther (optional).....*string* 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.
 Carrier (optional).....*CarrierCode* The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other
 CarrierOther (optional).....*string* The name of the carrier, specified if the value of Carrier is Other.
 CustShippingContractNum (optional).....*string* The 1 to 35 character shipping contract number.
 ShippingInstruction (optional).....*string* Brief (up to 256 characters) shipping instructions.
 OffCatalogFlag.....*Boolean* True if the item appears in the product catalog; false if it does not.
 SpecialHandlingNote (optional).....*string* Special handling instructions.
 GeneralNote (optional).....*string* Additional instructions.
 RequestedDeliveryDate (optional).....*datetime* The date by which the customer would like to receive the goods.
 ShipByDate (optional).....*datetime* The date by which the goods must be shipped for timely delivery.
 Tax (optional)
 @FuncQual.....*TaxFuncQual* The function of the tax. One of the following values: CustomsDuty or Tax. Default value is Tax.
 @Category.....*TaxCategory* The type of tax. One of the following values: Mixed, Exempt, Standard, freeExportItem, Zero, or Other. The default value is Standard.
 @Type.....*TaxType* The type of tax. one of the following values: GST or VAT. The default value is GST.
 TaxPercent.....*Decimal10_4* The rate of taxation, expressed as a percentage.
 Location.....*string* The location of the taxing entity.
 TaxId (optional).....*string* The tax identification number.

..... TaxAmount.....*Decimal18_3* The amount of the tax.
..... TaxableAmount.....*Decimal18_3* The amount subject to taxation.
..... ListOfAllowOrCharge

Repeating element AllowOrCharge

..... AllowOrCharge
..... IsCharge.....*Boolean* True if the item is a tax, false if it is a discount.
..... Basis.....*AllowOrChgBasis* The basis (None, Quantity, Percent, Money, or Tax) for the allowance or charge.
..... SeqNo.....*int* The order in which this allowance or charge is applied, relative to other allowances and charges.
..... Desc
..... AllowOrChgDesc
..... RefID (optional).....*string* The supplier's code number for the charge or allowance.
..... ListOfDescription (optional).....*One or more descriptions of the allowance or charge. Each description must be in a different language.*
..... Description.....*string* A description of the allowance or charge.
..... @Lang.....*LangCode* The language in which the description is written.
..... ServiceCode.....*AllowOrChgServCode* The service (None, PickUp, COD, or Handling) with which the allowance or charge is associated.
..... StartDate (optional).....*date* The first date that the allowance or charge applies.
..... EndDate (optional).....*date* The last date that the allowance or charge applies.

Choose one of the following: QuantityRange or MoneyRange

..... QuantityRange (optional)
..... Range.....*The quantity that must be ordered for the allowance or charge to apply.*
..... @UnitOfMeasure.....*UOMCode* The unit of measurement in which the minimum and maximum quantities are expressed.
..... Min.....*Decimal18_3* The minimum quantity to which the allowance or charge applies.
..... Max.....*Decimal18_3* The maximum quantity to which the allowance or charge applies.

Or

..... MoneyRange (optional).....*The monetary amount that must be ordered for the allowance or charge to apply.*
..... @Min.....*Decimal18_3* The minimum monetary amount to which the allowance or charge applies.
..... @Max.....*Decimal18_3* The maximum monetary amount to which the allowance or charge applies.
..... @Currency.....*CurrencyCode* The currency in which the minimum and maximum amounts are expressed.

End of choice between QuantityRange and MoneyRange

Choose one of the following: Quantity, Money, Percent, or Tax

..... Quantity
..... Qty.....*Decimal15_3* The quantity of the product supplied free of charge.
..... UnitOfMeasure.....*The unit of measurement in which the quantity is expressed.*

..... UOMCode..... *UOMCode* The unit of measurement.
..... UOMCodeOther..... *string* The unit of measurement, specified if UOMCode has a value of "Other."
Or
..... Money..... The discount, expressed as a monetary amount.
..... @Currency..... *CurrencyCode* The currency in which the discount is expressed.
Or
..... Percent..... *Decimal10_4* The discount expressed as a percentage of cost.
Or
..... Tax
..... @FuncQual..... *TaxFuncQual* The function (CustomsDuty or Tax) of the charge. The default value is Tax.
..... @Category..... *TaxCategory* The tax category (Other, Mixed, Exempt, Standard, FreeExportItem, or Zero). The default value is Standard.
..... @Type..... *TaxType* The tax type (GST or VAT). The default value is GST.
..... TaxPercent..... *Decimal10_4* The rate of taxation.
..... Location..... *string* The location of the taxing entity.
..... TaxId (optional)..... *string* The tax identification number.
..... TaxAmount..... *Decimal18_3* The monetary amount of the tax.
..... TaxableAmount..... *Decimal18_3* The monetary amount subject to taxation.

End of choice among Quantity, Money, Percent, and Tax
End of repeating element AllowOrCharge

..... BuyerExpectedUnitPrice
..... Price
..... UnitPrice..... The product's unit price expressed in a specified currency.
..... @Currency..... *CurrencyCode* The ISO code for the currency in which the unit price is expressed.
..... UnitPrice..... *Decimal15_4* The price for one unit of the product.
..... UnitOfMeasure (optional)..... The unit of measurement in which the quantity is expressed.
..... UOMCode..... *UOMCode* The unit of measurement.
..... UOMCodeOther..... *string* The unit of measurement, specified if UOMCode has a value of "Other."
..... StartDate (optional)..... *date* The first date that the price applies.
..... EndDate (optional)..... *date* The last date that the price applies.
..... QuantityRange (optional)..... The quantity range to which the unit price applies. If not specified, the price applies to all quantities.
..... @UnitOfMeasure..... *UOMCode* The unit of measurement in which the quantities are expressed.
..... Range..... The minimum and maximum quantities included in the range.
..... @Min (optional)..... *Decimal18_3* The minimum value included in the range. If not specified, there is no minimum value.
..... @Max (optional)..... *Decimal18_3* The maximum value included *in the range*. If not specified, there is no maximum.
..... OrderDetailAttachment

..... Attachment

..... @Attachment.....The URI for the attachment.

..... Purpose.....*string* 1 to 70 character description of the attachment's function (for example, Blueprint).

..... FileName (optional).....*string* 1 to 70 character file name of the attachment.

..... Title (optional).....*string* 1 to 70 character title of the attachment.

..... Language (optional).....*LangCode* The language in which the attachment is written.

.....VarianceQuantity (optional)

..... OrderedQtyDifference.....*Decimal15_3* The difference between the invoiced quantity and the quantity that was ordered.

.....SupplierExpectedUnitPrice (optional)

..... Price

..... UnitPrice.....The product's unit price expressed in a specified currency.

..... @Currency.....*CurrencyCode* The ISO code for the currency in which the unit price is expressed.

..... UnitPrice.....*Decimal15_4* The price for one unit of the product.

..... UnitOfMeasure (optional).....The unit of measurement in which the quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

..... StartDate (optional).....*date* The first date that the price applies.

..... EndDate (optional).....*date* The last date that the price applies.

..... QuantityRange (optional).....The quantity range to which the unit price applies. If not specified, the price applies to all quantities.

..... @UnitOfMeasure.....*UOMCode* The unit of measurement in which the quantities are expressed.

..... Range.....The minimum and maximum quantities included in the range.

..... @Min (optional).....*Decimal18_3* The minimum value included in the range. If not specified, there is no minimum value.

..... @Max (optional).....*Decimal18_3* The maximum value in

.....PriceErrorInfo (optional)

..... ErrorInfo

..... CompletionCode.....*string* The error code.

..... CompletionMsg

..... LangString.....*string* The error message.

..... @Lang.....*LangCode* The ISO code for the language in which the message is written.

..... Severity.....*SeverityCode* The severity of the error. one of the following values: Informational, Warning, Diagnostic, Transient, Error, Warning, or Other.

..... ListOfParameter (optional).....One or more parameters specifying additional information about the error.

..... MinRetrySecs (optional).....*int* The number of seconds a caller must wait before sending a retry request.

..... SwVendorErrorRef (optional).....*string* The location of the code that generated the error.

.....AvailabilityErrorInfo (optional)

..... ErrorInfo
 CompletionCode.....*string* The error code.
 CompletionMsg
 LangString.....*string* The error message.
 @Lang.....*LangCode* The ISO code for the language in which the message is written.
 Severity.....*SeverityCode* The severity of the error. one of the following values: Informational, Warning, Diagnostic, Transient, Error, Warning, or Other.
 ListOfParameter (optional)..... One or more parameters specifying additional information about the error.
 MinRetrySecs (optional).....*int* The number of seconds a caller must wait before sending a retry request.
 SwVendorErrorRef (optional).....*string* The location of the code that generated the error.

Examples

Example 1

```
<OrderResponseDetail>
  <BaseItemDetail>
    <LineItemNum>1</LineItemNum>
    <SupplierPartNum>
    <PartNum>
      <Agency AgencyID="AssignedBySupplier" />
      <PartID>12345</PartID>
    </PartNum>
    </SupplierPartNum>
    <ItemDescription>Sanford Highlighting Marker</ItemDescription>
    <Quantity>
      <Qty>1.100</Qty>
      <UnitOfMeasure>EA</UnitOfMeasure>
    </Quantity>
    <Transport Direction="SupplierToBuyer">
      <Mode>Air</Mode>
      <Mean>Express</Mean>
      <Carrier>Fedex</Carrier>
      <CustShippingContractNum>CTOP123</CustShippingContractNum>
      <ShippingInstruction>Please handle with care</ShippingInstruction>
    </Transport>
    <OffCatalogFlag>>false</OffCatalogFlag>
  </BaseItemDetail>
  <BuyerExpectedUnitPrice>
```

```

    <Price><UnitPrice>10.0000</UnitPrice></Price>
  </BuyerExpectedUnitPrice>

  <!-- We can't fulfill whole item line number 1 -->
  <VarianceQuantity>
    <OrderedQtyDifference>-10.000</OrderedQtyDifference>
  </VarianceQuantity>

  <SupplierExpectedUnitPrice>
    <Price><UnitPrice>25.0000</UnitPrice></Price>
  </SupplierExpectedUnitPrice>
</OrderResponseDetail>

```

Example 2

```

<OrderResponseDetail>
  <BaseItemDetail>
    <LineItemNum>1</LineItemNum>
    <SupplierPartNum>
      <PartNum>
        <Agency>AssignedBySupplier</Agency>
        <PartID>12345</PartID>
      </PartNum>
    </SupplierPartNum>
    <ItemDescription>Sanford Highlighting Marker</ItemDescription>
    <Quantity>
      <Qty>000000000001.000</Qty>
      <UnitOfMeasure>EA</UnitOfMeasure>
    </Quantity>
    <Transport Direction="SupplierToBuyer">
      <Mode>Air</Mode>
      <Mean>Express</Mean>
      <Carrier>Fedex</Carrier>
      <CustShippingContractNum>CTOP123</CustShippingContractNum>
      <ShippingInstruction>Please handle with care</ShippingInstruction>
    </Transport>
    <OffCatalogFlag>>false</OffCatalogFlag>
  </BaseItemDetail>
  <SalesRequirement>ShipPartial</SalesRequirement>

```

```
<BuyerExpectedUnitPrice>  
  <Price><UnitPrice>0000000010.0000</UnitPrice></Price>  
</BuyerExpectedUnitPrice>  
</OrderResponseDetail>  
</ListOfOrderResponseDetail>
```

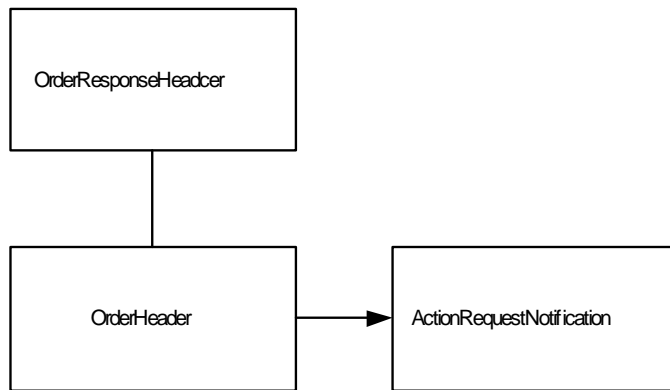
OrderResponseHeader

The OrderResponseHeader element .. It consists of:

- An OrderHeader element, which includes information that applies to the entire order.
- An ActionRequestOrNotification element, which ..
- An optional SupplierNote element

[Source Code](#) OrderResponseHeader.mod on page 1095

Structure



Contents

OrderResponseHeader
.....OrderHeader

..... POIssuedDate.....*datetime* The date the purchase order was issued.
..... RequestedDeliveryDate.....*datetime* The date by which the customer would like to receive the goods.
..... ShipByDate (optional).....*datetime* The date by which the goods must be shipped to ensure timely delivery.
..... OrderReference
..... AccountCode
..... Reference
..... RefNum.....*string* The buyer's account number with this supplier.
..... RefDate (optional).....*datetime* The date of the reference.

..... BuyerRefNum
..... Reference
..... RefNum.....*string* The buyer's purchase order number.
..... RefDate (optional).....*datetime* The date of the reference.
..... SupplierRefNum (optional)
..... Reference
..... RefNum.....*string* The supplier's order number.
..... RefDate (optional).....*datetime* The date of the reference.
..... ListOfReferenceCoded (optional)
Repeating element ReferenceCoded
..... ReferenceCoded
..... Reference
..... RefNum.....*string* Another reference number.
..... RefDate (optional).....*datetime* The date of the reference.
..... RefCode.....*ReferenceCode* The type of reference (CustRefNum, ContractNum, PrevProdCat,
PriceListNum, ProdInqNum, or Other)
..... RefCodeOther (optional).....*string* The type of reference, specified if RefCode has a value of Other.
End of repeating element ReferenceCoded
..... OrderParty
..... BuyerParty
..... Party
..... @PartyID.....*string* The identification number for the party.
..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of
AgencyID is Other.
..... ListOfIdentifier (optional)
Repeating element Identifier
..... Identifier
..... Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
End of repeating element Identifier
..... NameAddress (optional).....Name and address information for the party.
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.

.....Name1.....*string* The first line of the name.
.....Name2 (optional).....*string* The second line of the name.
.....Name3 (optional).....*string* The third line of the name.
.....Address1.....*string* The first line of the street address.
.....Address2 (optional).....*string* The second line of the street address.
.....Address3 (optional).....*string* The third line of the street address.
.....Address4 (optional).....*string* The fourth line of the street address.
.....Address5 (optional).....*string* The fifth line of the street address.
.....City.....*string* The city.
.....StateOrProvince.....*string* The state or province.
.....PostalCode.....*string* The zip or postal code.
.....Country.....*CountryCode* The two-character country code.
..... OrderContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)

.....Contact
.....Identifier (optional)
.....Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
.....OtherContacts (optional)
.....ListOfContactCoded

Repeating element ContactCoded

.....ContactCoded
.....Contact
.....Identifier (optional)
.....Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
.....ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.ListOfIdentifier (optional)

End of repeating element ContactCoded

.....ShipToParty (optional)
.....Party
.....@PartyID.....*string* The identification number for the party.
.....@AgencyID.....*AgencyCode* The agency that issued the party's identification number.
.....@AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.
.....ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier
.....Agency
..... @AgencyID.....AgencyCode The standards agency.
..... @AgencyOther.....string The standards agency, used when AgencyID has a value of "Other."
..... Ident.....string The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.
.....Identifier (optional)
.....Agency
..... @AgencyID.....AgencyCode The standards agency.
..... @AgencyOther.....string The standards agency, used when AgencyID has a value of "Other."
..... Ident.....string The coded identifier.
.....Name1.....string The first line of the name.
.....Name2 (optional).....string The second line of the name.
.....Name3 (optional).....string The third line of the name.
.....Address1.....string The first line of the street address.
.....Address2 (optional).....string The second line of the street address.
.....Address3 (optional).....string The third line of the street address.
.....Address4 (optional).....string The fourth line of the street address.
.....Address5 (optional).....string The fifth line of the street address.
.....City.....string The city.
.....StateOrProvince.....string The state or province.
.....PostalCode.....string The zip or postal code.
.....Country.....CountryCode The two-character country code.
..... OrderContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....string The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....string The coded identifier.
.....ContactName.....string The employee or department name.
.....Telephone.....string The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....string The 1 to 80 character email address.
.....Fax (optional).....string The FAX number.
..... ReceivingContact (optional)

.....Contact
.....Identifier (optional)
.....Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
.....ShippingContact (optional)
.....Contact
.....Identifier (optional)
.....Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
.....OtherContacts (optional)
.....ListOfContactCoded

Repeating element ContactCoded

.....ContactCoded
.....Contact
.....Identifier (optional)
.....Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
 ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.ListOfIdentifier (optional)

End of repeating element ContactCoded

..... SupplierParty
 Party
 @PartyID.....*string* The identification number for the party.
 @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
 @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.
 ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier
Agency
 @AgencyID.....*AgencyCode* The standards agency.
 @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.
Identifier (optional)
Agency
 @AgencyID.....*AgencyCode* The standards agency.
 @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.
Name1.....*string* The first line of the name.
Name2 (optional).....*string* The second line of the name.
Name3 (optional).....*string* The third line of the name.
Address1.....*string* The first line of the street address.
Address2 (optional).....*string* The second line of the street address.
Address3 (optional).....*string* The third line of the street address.
Address4 (optional).....*string* The fourth line of the street address.
Address5 (optional).....*string* The fifth line of the street address.
City.....*string* The city.
StateOrProvince.....*string* The state or province.
PostalCode.....*string* The zip or postal code.
Country.....*CountryCode* The two-character country code.
 OrderContact (optional)

.....Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
.....Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
.....Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)

.....ListOfContactCoded
Repeating element ContactCoded
.....ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.ListOfIdentifier (optional)

End of repeating element ContactCoded

..... BillToParty (optional)
..... Party
..... @PartyID.....*string* The identification number for the party.
..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier
.....Agency
.....@AgencyID.....*AgencyCode* The standards agency.
.....@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.
.....Identifier (optional)
.....Agency
.....@AgencyID.....*AgencyCode* The standards agency.
.....@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.

.....Name1.....*string* The first line of the name.
.....Name2 (optional).....*string* The second line of the name.
.....Name3 (optional).....*string* The third line of the name.
.....Address1.....*string* The first line of the street address.
.....Address2 (optional).....*string* The second line of the street address.
.....Address3 (optional).....*string* The third line of the street address.
.....Address4 (optional).....*string* The fourth line of the street address.
.....Address5 (optional).....*string* The fifth line of the street address.
.....City.....*string* The city.
.....StateOrProvince.....*string* The state or province.
.....PostalCode.....*string* The zip or postal code.
.....Country.....*CountryCode* The two-character country code.
..... OrderContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
.....Contact

..... Identifier (optional)
..... Agency
..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther..... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident..... *string* The coded identifier.
..... ContactName..... *string* The employee or department name.
..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional)..... *string* The 1 to 80 character email address.
..... Fax (optional)..... *string* The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded

Repeating element ContactCoded

..... ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident..... *string* The coded identifier.
..... ContactName..... *string* The employee or department name.
..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional)..... *string* The 1 to 80 character email address.
..... Fax (optional)..... *string* The FAX number.
..... ContactFunctionCode..... *ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact. ListOfIdentifier (optional)

End of repeating element ContactCoded

..... ListOfPartyCoded (optional)

Repeating element PartyCoded

..... PartyCoded
..... Party
..... @PartyID..... *string* The identification number for the party.
..... @AgencyID..... *AgencyCode* The agency that issued the party's identification number.
..... @AgencyOther..... *string* The agency that issued the identification number, specified if the value of AgencyID is Other.

.....ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier

..... Agency

..... @AgencyID.....*AgencyCode* The standards agency.

..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

End of repeating element Identifier

.....NameAddress (optional).....Name and address information for the party.

.....Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The standards agency.

..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

.....Name1.....*string* The first line of the name.

.....Name2 (optional).....*string* The second line of the name.

.....Name3 (optional).....*string* The third line of the name.

.....Address1.....*string* The first line of the street address.

.....Address2 (optional).....*string* The second line of the street address.

.....Address3 (optional).....*string* The third line of the street address.

.....Address4 (optional).....*string* The fourth line of the street address.

.....Address5 (optional).....*string* The fifth line of the street address.

.....City.....*string* The city.

.....StateOrProvince.....*string* The state or province.

.....PostalCode.....*string* The zip or postal code.

.....Country.....*CountryCode* The two-character country code.

.....OrderContact (optional)

.....Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

.....ReceivingContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....string The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....string The coded identifier.
..... ContactName.....string The employee or department name.
..... Telephone.....string The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....string The 1 to 80 character email address.
..... Fax (optional).....string The FAX number.
.....ShippingContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....string The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....string The coded identifier.
..... ContactName.....string The employee or department name.
..... Telephone.....string The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....string The 1 to 80 character email address.
..... Fax (optional).....string The FAX number.
.....OtherContacts (optional)
.....ListOfContactCoded
Repeating element ContactCoded
..... ContactCoded
..... Contact
..... Identifier (optional)
.....Agency
..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther...string The agency responsible for part numbers, used when AgencyID has a value of
"Other."
.....Ident.....string The coded identifier.
..... ContactName.....string The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.
 Email (optional)..... *string* The 1 to 80 character email address.
 Fax (optional)..... *string* The FAX number.
 ContactFunctionCode..... *ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... PartyRole..... *PartyRoleCode* The role of the party. One of the following values: Buyer, Supplier, CentralCatParty, StoreNumber, SuppAgent, ProdInqNum, or Other.
 PartyRoleOther (optional)..... *string* The role of the party, specified if the value of PartyRole is Other.

..... Tax (optional)
 @FuncQual..... *TaxFuncQual* The function of the tax. One of the following values: CustomsDuty or Tax. Default value is Tax.
 @Category..... *TaxCategory* The type of tax. One of the following values: Mixed, Exempt, Standard, freeExportItem, Zero, or Other. The default value is Standard.
 @Type..... *TaxType* The type of tax. one of the following values: GST or VAT. The default value is GST.
 TaxPercent..... *Decimal10_4* The rate of taxation, expressed as a percentage.
 Location..... *string* The location of the taxing entity.
 TaxId (optional)..... *string* The tax identification number.
 TaxAmount..... *Decimal18_3* The amount of the tax.
 TaxableAmount..... *Decimal18_3* The amount subject to taxation.
 OrderCurrency..... *CurrencyCode* The ISO code for the default currency of the purchase order .
 OrderLanguage..... *LangCode* The default language of the purchase order.

..... Payment (optional)
 PaymentMean..... *PaymentMeanCode* The means of payment. One of the following values: COD, Check, CreditCard, DebitCard, Invoice, or Other.
 PaymentMeanOther (optional)..... *string* The 1- to 70-character means of payment, specified when PaymentMean has a value of Other.
 PaymentTerm..... *PaymentTermCode* The payment terms. One of the following values: Basic, Fixeddate, BasicDiscount, Instant, Discount, or Other.
 PaymentTermOther (optional)..... *string* A 1- to 70-character description of the payment terms, specified when the value of PaymentTerm is Other.
 DiscountPercent (optional)..... *Decimal10_4* The percentage discount offered for timely payment.
 DiscountDaysDue (optional)..... *int* The number of days after DiscountTimeRef for which DiscountTimeRef is available.

..... DiscountTimeRef (optional).....	.....<i>PaymentTimeRef</i> The event relative to which the payment due date is calculated. One of the following values: InvoiceDate, SpecifiedDate, ShipmentDate, GoodsReceivedByBuyerDate, TransportArrivalDate, or Other.
..... DiscountTimeRefOther (optional).....	.....<i>string</i> The event relative to which the payment due date is calculated if the value of DiscountTimeRef is Other.
..... NetDaysDue (optional).....	.....<i>int</i> The number of days after NetTimeRef before payment is due.
..... NetTimeRef (optional).....	.....<i>PaymentTimeRef</i> The event relative to which the payment due date is calculated. One of the following values: InvoiceDate, SpecifiedDate, ShipmentDate, GoodsReceivedByBuyerDate, TransportArrivalDate, or Other.
..... NetTimeRefOther (optional).....	.....<i>string</i> The event relative to which the payment due date is calculated if NetTimeRef has a value of Other.
..... CardInfo (optional)	
..... CardNum.....	.....<i>string</i> The 1- to 17-character charge card number.
..... CardAuthCode (optional).....	.....<i>string</i> The 1- to 35-character charge card authorization code.
..... CardRefNum (optional).....	.....<i>string</i> The 1- to 35-character customer reference number.
..... CardExpirationDate.....	.....<i>datetime</i> The charge card expiration date in YYMMDD format.
..... CardType (optional).....	.....<i>CardTypeCode</i> The type (AMEX, VISA, MC, Discover, JCB, Diners, or Other) of credit card being used.
..... CardTypeOther (optional).....	.....<i>string</i> The 1- to 70-character credit card type, specified if CardType has a value of Other.
..... CardHolderName (optional).....	.....<i>string</i> The 1- to 30-character name imprinted on the credit card.
..... ListOfAllowOrCharge (optional)	
..... Repeating element AllowOrCharge	
..... AllowOrCharge	
..... IsCharge.....	.....<i>Boolean</i> True if the item is a tax, false if it is a discount.
..... Basis.....	.....<i>AllowOrChgBasis</i> The basis (None, Quantity, Percent, Money, or Tax) for the allowance or charge.
..... SeqNo.....	.....<i>int</i> The order in which this allowance or charge is applied, relative to other allowances and charges.
..... Desc	
..... AllowOrChgDesc	
..... RefID (optional).....	.....<i>string</i> The supplier's code number for the charge or allowance.
..... ListOfDescription (optional).....	.....One or more descriptions of the allowance or charge. Each description must be in a different language.
..... Description.....	.....<i>string</i> A description of the allowance or charge.
..... @Lang.....	.....<i>LangCode</i> The language in which the description is written.
..... ServiceCode.....	.....<i>AllowOrChgServCode</i> The service (None, Pickup, COD, or Handling) with which the allowance or charge is associated.

..... StartDate (optional).....*date* The first date that the allowance or charge applies.
..... EndDate (optional).....*date* The last date that the allowance or charge applies.
Choose one of the following: QuantityRange or MoneyRange
..... QuantityRange (optional)
..... Range.....The quantity that must be ordered for the allowance or charge to apply.
..... Min.....*Decimal18_3* The minimum quantity to which the allowance or charge applies.
..... Max.....*Decimal18_3* The maximum quantity to which the allowance or charge applies.
..... @UnitOfMeasure.....*UOMCode* The unit of measurement in which the minimum and maximum quantities are expressed.

Or
..... MoneyRange (optional).....The monetary amount that must be ordered for the allowance or charge to apply.
..... @Min.....*Decimal18_3* The minimum monetary amount to which the allowance or charge applies.
..... @Max.....*Decimal18_3* The maximum monetary amount to which the allowance or charge applies.
..... @Currency.....*CurrencyCode* The currency in which the minimum and maximum amounts are expressed.

End of choice between QuantityRange and MoneyRange
Choose one of the following: Quantity, Money, Percent, or Tax
..... Quantity
..... Qty.....*Decimal15_3* The quantity of the product supplied free of charge.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

Or
..... Money.....The discount, expressed as a monetary amount.
..... @Currency.....*CurrencyCode* The currency in which the discount is expressed.

Or
..... Percent.....*Decimal10_4* The discount expressed as a percentage of cost.

Or
..... Tax
..... TaxPercent.....*Decimal10_4* The rate of taxation.
..... Location.....*string* The location of the taxing entity.
..... TaxId (optional).....*string* The tax identification number.
..... TaxAmount.....*Decimal18_3* The monetary amount of the tax.
..... TaxableAmount.....*Decimal18_3* The monetary amount subject to taxation.
..... @FuncQual.....*TaxFuncQual* The function (CustomsDuty or Tax) of the charge. The default value is Tax.
..... @Category.....*TaxCategory* The tax category (Other, Mixed, Exempt, Standard, FreeExportItem, or Zero). The default value is Standard.
..... @Type.....*TaxType* The tax type (GST or VAT). The default value is GST.

End of choice among Quantity, Money, Percent, and Tax

End of repeating element AllowOrCharge

..... PartialShipmentAllowed.....	<i>Boolean</i> True if the buyer is willing to accept partial shipment; false otherwise.
..... SpecialHandlingNote (optional).....	<i>string</i> Special handling instructions.
..... GeneralNote (optional).....	<i>string</i> Other instructions.
..... PartLocation (optional).....	<i>string</i> The location of the part.
..... Transport (optional)	
..... @Direction.....	<i>TransitDirection</i> The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).
..... Mode (optional).....	<i>TransportMode</i> The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.
..... TransportModeOther (optional).....	<i>string</i> A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.
..... Mean (optional).....	<i>TransportMean</i> The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.
..... TransportMeanOther (optional).....	<i>string</i> 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.
..... Carrier (optional).....	<i>CarrierCode</i> The name of the carrier. One of the following values: (None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other
..... CarrierOther (optional).....	<i>string</i> The name of the carrier, specified if the value of Carrier is Other.
..... CustShippingContractNum (optional).....	<i>string</i> The 1 to 35 character shipping contract number.
..... ShippingInstruction (optional).....	<i>string</i> Brief (up to 256 characters) shipping instructions.
..... TermOfDelivery (optional)	
..... @TODFunction_a.....	<i>TODFunction</i> ???
..... Code.....	<i>TODCode</i> The terms of delivery. One of the following values: ContactBeforeDelivery, CashOnDelivery, FOB, FOA, FOR, or Other
..... TODCodeOther (optional).....	<i>string</i> The terms of delivery, specified if Code has a value of Other.
..... FOBCity (optional).....	<i>string</i> The city to which the goods are being delivered. For example, San Francisco, CA.
..... FOBLocation (optional).....	<i>string</i> The freight on board location of the goods. For example, SFO-Delta Airlines Warehouse.
..... FOBInstruction (optional).....	<i>string</i> Freight on board instructions.
..... ShippingPaymentMethod (optional).....	<i>ShippingPaymentMethodCode</i> The method used to pay shipping charges. one of the following values: Collect, PrepaidChargeCust, PrepaidOnly, PrepaidBySeller, Pickup, PaidByBuyer, ThirdPartyPay, PaidBySeller, PerContract, or Other.
..... ShippingPaymentMethodOther (optional).....	<i>string</i> The method used to pay shipping charges, specified if the value of ShippingPaymentMethod is Other.
..... TODFunctionOther (optional).....	<i>string</i> ???
..... OrderHeaderAttachment (optional)	
..... Attachment	
..... @Attachment.....	The URI for the attachment.

..... Purpose.....*string* 1 to 70 character description of the attachment's function (for example, Blueprint).

..... FileName (optional).....*string* 1 to 70 character file name of the attachment.

..... Title (optional).....*string* 1 to 70 character title of the attachment.

..... Language (optional).....*LangCode* The language in which the attachment is written.

.....ActionRequestOrNotification.....*ActionRequestNotification* The status of the order. One of the following values: Added, Changed, NoAction, AcceptedAsIs, or NotAccepted.

.....SupplierNote (optional).....*string* Free-form note from the supplier.

Examples

<OrderResponseHeader>

```

<POIssuedDate>19990805T01:01:01</POIssuedDate>
<RequestedDeliveryDate>19990807T01:01:01</RequestedDeliveryDate>
<ShipByDate>19990809T01:01:01</ShipByDate>
<OrderReference>
  <!-- An account is an agreement between a buyer and a supplier, specified
        by the account code. Remember that an agreement can consist of
        multiple contracts. Agreement is not the same as contract.
        An agreement 'contains' contract(s). -->
  <AccountCode><Reference><RefNum>CTOP</RefNum></Reference> </AccountCode>

  <!--BuyerRefNum = Buyer's PO number. -->
  <BuyerRefNum><Reference><RefNum>100</RefNum></Reference></BuyerRefNum>
  <!-- Notice I don't put the SupplierRefNum because it is optional -->
  <SupplierRefNum><Reference><RefNum>500</RefNum></Reference>
  </SupplierRefNum>
</OrderReference>
<OrderParty>
  <BuyerParty>
    <Party>
      <NameAddress>
        <Name1>Mr. John Doe</Name1>
        <Name2>Attention: Business Service Division</Name2>
        <Address1>1600 Riviera Ave</Address1>
        <Address2>Suite# 200</Address2>
        <City>Walnut Creek</City>
        <State>CA</State>

```



```
<PostalCode>94596</PostalCode>
<Country>US</Country>
</NameAddress>
<OrderContact>
  <Contact>
    <ContactName>Mr. Mike Hollywood</ContactName>
    <Telephone>(925) 941-3333</Telephone>
    <Email>mike.hollywood@commerceone.com</Email>
    <Fax>(925) 941-4555</Fax>
  </Contact>
</OrderContact>
<ReceivingContact>
  <Contact>
    <ContactName>Ms. Debbie Dub</ContactName>
    <Telephone>(925) 941-2222</Telephone>
    <Email>debbie.dub@commerceone.com</Email>
    <Fax>(925) 941-4555</Fax>
  </Contact>
</ReceivingContact>
<ShippingContact>
  <Contact>
    <ContactName>Ms. Jane Wayne</ContactName>
    <Telephone>(925) 941-1111</Telephone>
    <Email>jane.wayne@commerceone.com</Email>
    <Fax>(925) 941-4555</Fax>
  </Contact>
</ShippingContact>
</Party>
</BuyerParty>
<SupplierParty>
  <Party>
    <NameAddress>
      <Name1>Millenium Supplier Corporation</Name1>
      <Name2>Attention: Office Supply Division</Name2>
      <Address1>355 Alameda Street</Address1>
      <Address2>Suite 100</Address2>
      <City>San Jose</City>
      <State>CA</State>
      <PostalCode>94588</PostalCode>
```

```

        <Country>US</Country>
        </NameAddress>
        </Party>
    </SupplierParty>
</OrderParty>
<Tax>
    <TaxPercent>000010.0000</TaxPercent>
    <Location>Walnut Creek</Location>
    <!-- TaxId is only required if category is exempt -->
    <TaxId>12345</TaxId>
    <TaxAmount>000000000000100.000</TaxAmount>
    <TaxableAmount>000000000001000.000</TaxableAmount>
</Tax>
<OrderCurrency>USD</OrderCurrency> <!-- US Dollar -->
<OrderLanguage>EN</OrderLanguage> <!-- EN=English -->

<Payment>
    <PaymentMean>CreditCard</PaymentMean>
    <PaymentTerm>Discount</PaymentTerm>
    <DiscountPercent>000005.0000</DiscountPercent>
    <DiscountDaysDue>10</DiscountDaysDue>
    <DiscountTimeRef>InvoiceDate</DiscountTimeRef>
    <NetDaysDue>30</NetDaysDue>
    <NetTimeRef>InvoiceDate</NetTimeRef>
    <CardInfo>
        <CardNum>1234432112344321</CardNum>
        <CardAuthCode>JUBF123</CardAuthCode>
        <CardRefNum>123</CardRefNum>
        <CardExpirationDate>20000805T01:01:01</CardExpirationDate>
        <CardType>AMEX</CardType>
        <CardHolderName>Mr. Joel Blue</CardHolderName>
    </CardInfo>
</Payment>

<SalesRequirement>ShipPartial</SalesRequirement>
<SpecialHandlingNote>Do not shake.</SpecialHandlingNote>
<GeneralNote>Please rush.</GeneralNote>
<PartLocation>Oakland</PartLocation>

```

```
<Transport Direction="SupplierToBuyer">
  <Mode>Air</Mode>
  <Mean>Express</Mean>
  <Carrier>Fedex</Carrier>
  <CustShippingContractNum>CTOP123</CustShippingContractNum>
  <ShippingInstruction>Please handle with care</ShippingInstruction>
</Transport>

<TermOfDelivery TODFunction_a="Delivery" >
  <Code>FOB</Code>
  <FOBCity>San Francisco</FOBCity>
  <FOBLocation>SFO Delta Airline Warehouse</FOBLocation>
  <FOBInstruction>Talk to the company agent in isle 2</FOBInstruction>
  <ShippingPaymentMethod>PrepaidBySeller</ShippingPaymentMethod>
</TermOfDelivery>

<OrderHeaderAttachment>
  <Attachment Attachment="http://www.temporary.com/Pleasantondome.doc" >
    <Purpose>Blueprint</Purpose>
  </Attachment>
</OrderHeaderAttachment>

<!-- In this particular PO response, we accept the PO as is. -->
<ActionRequestOrNotification>AcceptedAsIs</ActionRequestOrNotification>

</OrderResponseHeader>
```

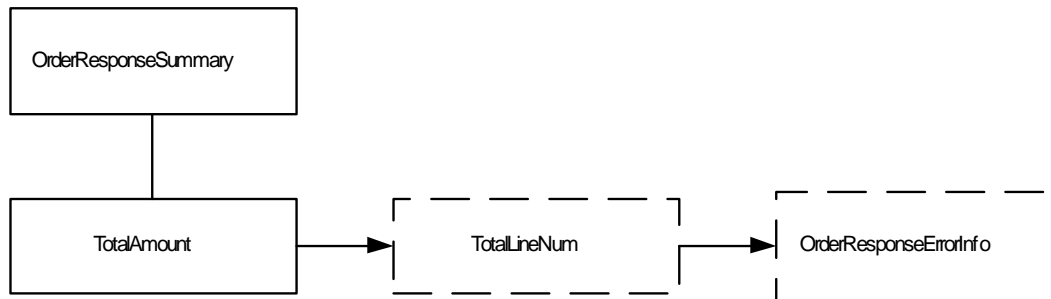
OrderResponseSummary

The OrderResponseSummary element contains ... It consists of:

- A TotalAmount element, which contains the total cost of the order.
- An optional TotalLineNum element, which contains the total number of items being ordered.
- An optional OrderResponseErrorInfo element, which contains information about errors

[Source Code](#) OrderResponseSummary.mod on page 1096

Structure



Contents

OrderResponseSummary

.....OrderSummary	
..... TotalAmount.....	<i>Decimal18_3</i> The total amount of the order.
..... TotalLineNum (optional).....	<i>int</i> The number of line items in the order.
.....OrderResponseErrorInfo	
..... ErrorInfo	
..... CompletionCode.....	<i>string</i> The error code.
..... CompletionMsg	
..... LangString.....	<i>string</i> The error message.
..... @Lang.....	<i>LangCode</i> The ISO code for the language in which the message is written.
..... Severity.....	<i>SeverityCode</i> The severity of the error. one of the following values: Informational, Warning, Diagnostic, Transient, Error, Warning, or Other.
..... ListOfParameter (optional).....	One or more parameters specifying additional information about the error.

..... MinRetrySecs (optional).....*int* The number of seconds a caller must wait before sending a retry request.
..... SwVendorErrorRef (optional).....*string* The location of the code that generated the error.

Examples

```
<OrderResponseSummary>  
  <TotalAmount>$283.80</TotalAmount>  
  <TotalLineNum>5</TotalLineNum>  
</OrderResponseSummary>
```

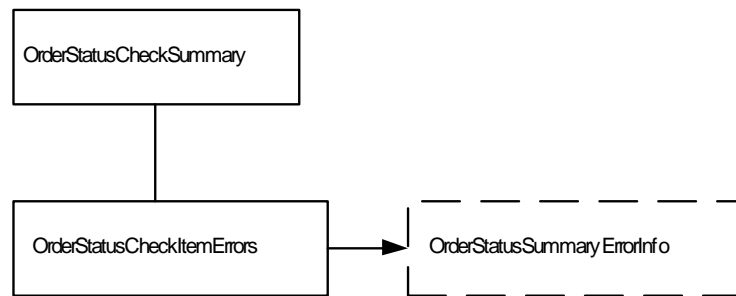
OrderStatusCheckSummary

The OrderStatusCheckSummary element contains the number of items for which an order status check returned errors. It consists of:

- An OrderStatusCheckItemErrors element, which contains the the number of items that returned errors (zero if no errors were returned).
- An optional OrderStatusSummaryErrorInfo element, which contains detailed information about any errors that were returned.

[Source Code](#) OrderStatusResult.sox on page 1105

Structure



Contents

OrderStatusCheckSummary	
.....OrderStatusCheckItemErrors.....	<i>int</i> The number of items for which a status check returned errors.
.....OrderStatusSummaryErrorInfo	
.....ErrorInfo (optional).....	Error information.
.....CompletionCode.....	<i>string</i> The error code.
.....CompletionMsg	
.....LangString.....	<i>string</i> The error message.
.....@Lang.....	<i>LangCode</i> The ISO code for the language in which the message is written.
.....Severity.....	<i>SeverityCode</i> The severity of the error. one of the following values: Informational, Warning, Diagnostic, Transient, Error, Warning, or Other.
.....ListOfParameter (optional).....	One or more parameters specifying additional information about the error.
.....MinRetrySecs (optional).....	<i>int</i> The number of seconds a caller must wait before sending a retry request.
.....SwVendorErrorRef (optional).....	<i>string</i> The location of the code that generated the error.

Examples

```
<OrderStatusCheckSummary>  
  <OrderStatusCheckItemErrors>345</OrderStatusCheckItemErrors>  
  <OrderStatusSummaryErrorInfo>  
    <ErrorInfo>  
      <CompletionCode>Pending</CompletionCode>  
      <CompletionMsg>  
        <LangString Lang="en">en</LangString>  
      </CompletionMsg>  
      <Severity>Warning</Severity>  
      <ListOfParameter>  
        <Parameter>Do not resend same items.</Parameter>  
      </ListOfParameter>  
    </ErrorInfo>  
  </OrderStatusSummaryErrorInfo>  
</OrderStatusCheckSummary>
```

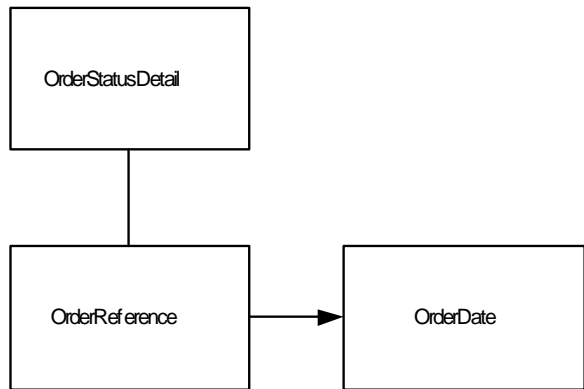
OrderStatusDetail

The OrderStatusDetail element contains information about the status of an order. It consists of:

- An OrderReference element, which identifies the order whose status is being requested. This is based on the DOC segment of OSTENQ.
- An OrderDate element, which specifies the date for which status is being requested.

[Source Code](#) OrderStatusDetail.mod on page 1097

Structure



Contents

OrderStatusDetail

.....OrderReference.....	.....The item for which status is being requested.
..... AccountCode	
..... Reference	
..... RefNum.....	.....<i>string</i> The buyer's account number with this supplier.
..... RefDate (optional).....	.....<i>datetime</i> The date of the reference.
..... BuyerRefNum	
..... Reference	
..... RefNum.....	.....<i>string</i> The buyer's purchase order number.
..... RefDate (optional).....	.....<i>datetime</i> The date of the reference.
..... SupplierRefNum (optional)	

..... Reference
..... RefNum.....*string* The supplier's order number.
..... RefDate (optional).....*datetime* The date of the reference.
..... ListOfReferenceCoded (optional)
..... ReferenceCoded
..... Reference
..... RefNum.....*string* Another reference number.
..... RefDate (optional).....*datetime* The date of the reference.
..... RefCode.....*ReferenceCode* The type of reference (CustRefNum, ContractNum, PrevProdCat,
PriceListNum, ProdInqNum, or Other)
..... RefCodeOther (optional).....*string* The type of reference, specified if RefCode has a value of Other.
..... OrderDate.....*datetime* The date of the order.

Examples

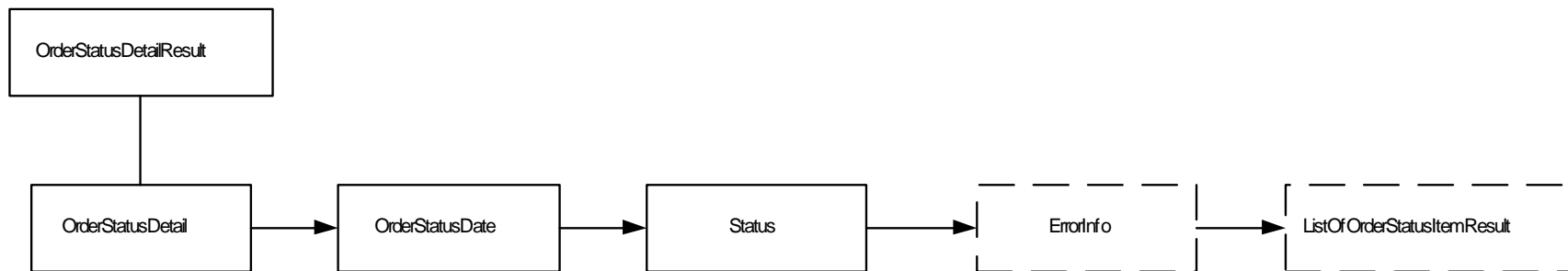
OrderStatusDetailResult

The OrderStatusDetailResult element returns the status of an order and individual line items. It consists of:

- An OrderStatusDetail element, which identifies the orders and line items whose status is being requested.
- An OrderStatusDate element, which contains the date the order status inquiry was made.
- A Status element, which contains the status of the order.
- An optional ErrorInfo element, which contains details about any errors that occurred while processing the request.
- An optional ListOfOrderStatusItemResult element, which contains the status of the individual line items.

[Source Code](#) OrderStatusResult.sox on page 1105

Structure



Contents

OrderStatusDetailResult

.....OrderStatusDetail

..... OrderReference.....The item for which status is being requested.

..... AccountCode

..... Reference

..... RefNum.....*string* The buyer's account number with this supplier.

..... RefDate (optional).....*datetime* The date of the reference.

..... BuyerRefNum

..... Reference

..... RefNum.....*string* The buyer's purchase order number.

..... RefDate (optional).....*datetime* The date of the reference.
..... SupplierRefNum (optional)
..... Reference
..... RefNum.....*string* The supplier's order number.
..... RefDate (optional).....*datetime* The date of the reference.
..... ListOfReferenceCoded (optional)
..... ReferenceCoded
..... Reference
.....RefNum.....*string* Another reference number.
.....RefDate (optional).....*datetime* The date of the reference.
..... RefCode.....*ReferenceCode* The type of reference (CustRefNum, ContractNum, PrevProdCat,
PriceListNum, ProdInqNum, or Other)
..... RefCodeOther (optional).....*string* The type of reference, specified if RefCode has a value of Other.

..... OrderDate.....*datetime* The date of the order.
.....OrderStatusDate.....*datetime* The date of the status request.
.....Status
.....StatusNote.....*string* General information about the status of an order.
.....StatusEvent.....The status of the purchase order.
..... StatusEventCodeElement.....*StatusEventCode* The status of the order.
..... StausEventCodeOther (optional).....*string* The status of the the order, specified if the value of StatusEventCodeElement is
Other.
..... ListOfStatusReason (optional).....One or more reasons for the status.

Repeating element StatusReason
..... StatusReason
..... StatusReasonCodeElement.....*StatusReasonCode* The reason for the purchase order's status.
..... StatusReasonCodeother (optional).....*string* The reason for the purchase order's status, specified if StatusReasonCodeElement
has a value of Other.

End of repeating element StatusReason
.....ErrorInfo (optional)
..... CompletionCode.....*string* The error code.
..... CompletionMsg
..... LangString.....*string* The error message.
..... @Lang.....*LangCode* The ISO code for the language in which the messge is written.
..... Severity.....*SeverityCode* The severity of the error. one of the following values: Informational,
Warning, Diagnostic, Transient, Error, Warning, or Other.
..... ListOfParameter (optional).....One or more parameters specifying additional information about the error.
..... MinRetrySecs (optional).....*int* The number of seconds a caller must wait before sending a retry request.
..... SwVendorErrorRef (optional).....*string* The location of the code that generated the error.

.....ListOfOrderStatusItemResult (optional)

Repeating element OrderStatusItemResult

..... OrderStatusItemResult

..... OrderStatusItem

..... BaseItemDetail

..... LineItemNum.....The line number on which the item appears in the order.

..... SubLineItemNum (optional).....

..... SupplierPartNum (optional).....The supplier's part number for this item.

.....PartNum

.....Agency.....The agency that assigned the supplier's part number.

..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... BuyerPartNum (optional).....The buyer's part number for this item.

.....PartNum

.....Agency.....The agency that assigned the buyer's part number.

..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... ManufacturerPartNum (optional)

.....PartNum

.....Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part number.

..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... CommodityCode (optional).....*string* The item's commodity code.

..... ItemDescription (optional).....*string* A description of the item.

..... Quantity (optional)

.....Qty.....*Decimal15_3* The quantity of the item that was ordered.

.....UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

.....UOMCode.....*UOMCode* The unit of measurement.

.....UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... MaxBackOrderQuantity (optional)
.....Quantity
.....Qty.....*Decimal15_3* The quantity of the item.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... FinalRecipient (optional)
.....Party
..... @PartyID
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....ListOfIdentifier (optional)
Repeating element Identifier
..... Identifier
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
..... @AgencyOther.....*string* The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."
..... Ident
End of repeating element Identifier
.....NameAddress (optional)
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.

..... Country..... *CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

..... Identifier (optional)..... The order contact's identification number.

..... Agency

..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification number.

..... @AgencyOther... *string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

..... ReceivingContact (optional)

..... Contact

..... Identifier (optional)..... The receiving contact's identification number.

..... Agency

..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.

..... @AgencyOther... *string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

..... ShippingContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.

..... @AgencyOther... *string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

.....OtherContacts (optional)

.....ListOfContactCoded

Repeating element ContactCoded

..... ContactCoded

..... Contact

.....Identifier (optional)

.....Agency

..... @AgencyID.*AgencyCode* The agency responsible for issuing part numbers.

..... @AgencyOther*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... ContactFunctionCode*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... Transport (optional)

.....@Direction.....*TransitDirection* The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).

.....Mode (optional).....*TransportMode* The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.

.....TransportModeOther (optional).....*string* A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.

.....Mean (optional).....*TransportMean* The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.

.....TransportMeanOther (optional).....*string* 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.

.....Carrier (optional).....*CarrierCode* The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other

.....CarrierOther (optional).....*string* The name of the carrier, specified if the value of Carrier is Other.

.....CustShippingContractNum (optional).....*string* The 1 to 35 character shipping contract number.

.....ShippingInstruction (optional).....*string* Brief (up to 256 characters) shipping instructions.

..... OffCatalogFlag.....*Boolean* True if the item appears in the product catalog; false if it does not.

..... VarianceQuantity

.....OrderedQtyDifference.....	<i>Decimal15_3</i>	The difference between the invoiced quantity and the quantity that was ordered.
.....Status		
.....StatusNote.....	<i>string</i>	General information about the status of an order.
.....StatusEvent.....		The status of the purchase order.
.....StatusEventCodeElement.....	<i>StatusEventCode</i>	The status of the order.
.....StausEventCodeOther (optional)	<i>string</i>	The status of the the order, specified if the value of StatusEventCodeElement is Other
.....ListOfStatusReason (optional).....		One or more reasons for the status.
Repeating element StatusReason		
.....StatusReason		
.....StatusReasonCodeElement.....	<i>StatusReasonCode</i>	The reason for the purchase order's status.
.....StatusReasonCodeother (optional).....	<i>string</i>	The reason for the purchase order's status, specified if StatusReasonCodeElement has a value of Other.
End of repeating element StatusReason		
.....ErrorInfo (optional)		
.....CompletionCode.....	<i>string</i>	The error code.
.....CompletionMsg		
.....LangString.....	<i>string</i>	The error message.
.....@Lang.....	<i>LangCode</i>	The ISO code for the language in which the messge is written.
.....Severity.....	<i>SeverityCode</i>	The severity of the error. one of the following values: Informational, Warning, Diagnostic, Transient, Error, Warning, or Other.
.....ListOfParameter (optional).....		One or more parameters specifying additional information about the error.
.....MinRetrySecs (optional).....	<i>int</i>	The number of seconds a caller must wait before sending a retry request.
.....SwVendorErrorRef (optional).....	<i>string</i>	The location of the code that generated the error.
End of repeating element		

Examples

```

<OrderStatusDetailResult>
  <OrderReference>
    <AccountCode>
      <Reference>
        <RefNum>OD11222S</RefNum>
      </Reference>
    </AccountCode>
    <BuyerRefNum>
      <Reference>
        <RefNum>PO1221</RefNum>
      </Reference>
  </OrderReference>
</OrderStatusDetailResult>

```



```
</BuyerRefNum>
<SupplierRefNum>
  <Reference>
    <RefNum>009199111</RefNum>
  </Reference>
</SupplierRefNum>
</OrderReference>

<OrderDate>19990809T01:01:01</OrderDate>
<OrderStatusDate>19991001T01:01:01</OrderStatusDate>

<Status>
  <StatusNote> Hello </StatusNote>
  <StatusEvent>
    <StatusEventCodeElement>Processing</StatusEventCodeElement>
  </StatusEvent>
</Status>

</OrderStatusDetailResult>
```

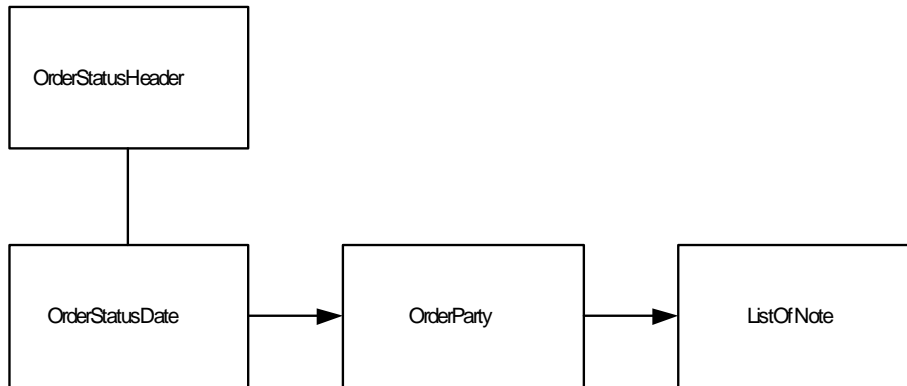
OrderStatusHeader

The OrderStatusHeader element identifies the date for which status was requested, the responsible parties, and any associated notes. It consists of:

- An OrderStatusDate element, which contains the date of the status request.
- An OrderParty element, which contains information about parties to the order.
- An optional ListOfNote element, which contains any associated notes.

[Source Code](#) OrderStatusHeader.mod on page 1099

Structure



Contents

OrderStatusHeader	
.....OrderStatusDate.....	.....<i>datetime</i> The date for which status was requested.
.....OrderParty	
..... BuyerParty	
..... Party	
..... @PartyID.....	.....<i>string</i> The identification number for the party.
..... @AgencyID.....	.....<i>AgencyCode</i> The agency that issued the party's identification number.
..... @AgencyOther.....	.....<i>string</i> The agency that issued the identification number, specified if the value of AgencyID is Other.
..... ListOfIdentifier (optional)	

Repeating element Identifier

..... Identifier
.....Agency
.....@AgencyID.....AgencyCode The standards agency.
.....@AgencyOther.....string The standards agency, used when AgencyID has a value of "Other."
.....Ident.....string The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.
..... Identifier (optional)
.....Agency
.....@AgencyID.....AgencyCode The standards agency.
.....@AgencyOther.....string The standards agency, used when AgencyID has a value of "Other."
.....Ident.....string The coded identifier.
..... Name1.....string The first line of the name.
..... Name2 (optional).....string The second line of the name.
..... Name3 (optional).....string The third line of the name.
..... Address1.....string The first line of the street address.
..... Address2 (optional).....string The second line of the street address.
..... Address3 (optional).....string The third line of the street address.
..... Address4 (optional).....string The fourth line of the street address.
..... Address5 (optional).....string The fifth line of the street address.
..... City.....string The city.
..... StateOrProvince.....string The state or province.
..... PostalCode.....string The zip or postal code.
..... Country.....CountryCode The two-character country code.
..... OrderContact (optional)
..... Contact
.....Identifier (optional)
.....Agency
.....@AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther.....string The agency responsible for part numbers, used when AgencyID has a value of
"Other."
.....Ident.....string The coded identifier.
.....ContactName.....string The employee or department name.
.....Telephone.....string The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....string The 1 to 80 character email address.
.....Fax (optional).....string The FAX number.
..... ReceivingContact (optional)

..... Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded
Repeating element ContactCoded
.....ContactCoded
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
 ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.ListOfIdentifier (optional)

End of repeating element ContactCoded

..... ShipToParty (optional)
 Party
 @PartyID.....*string* The identification number for the party.
 @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
 @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.
 ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier
 Agency
 @AgencyID.....*AgencyCode* The standards agency.
 @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.
 Identifier (optional)
 Agency
 @AgencyID.....*AgencyCode* The standards agency.
 @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.
 Name1.....*string* The first line of the name.
 Name2 (optional).....*string* The second line of the name.
 Name3 (optional).....*string* The third line of the name.
 Address1.....*string* The first line of the street address.
 Address2 (optional).....*string* The second line of the street address.
 Address3 (optional).....*string* The third line of the street address.
 Address4 (optional).....*string* The fourth line of the street address.
 Address5 (optional).....*string* The fifth line of the street address.
 City.....*string* The city.
 StateOrProvince.....*string* The state or province.
 PostalCode.....*string* The zip or postal code.
 Country.....*CountryCode* The two-character country code.
 OrderContact (optional)

..... Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
..... Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)

..... ListOfContactCoded

Repeating element ContactCoded

.....ContactCoded

.....Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....string The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....string The coded identifier.

..... ContactName.....string The employee or department name.

..... Telephone.....string The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....string The 1 to 80 character email address.

..... Fax (optional).....string The FAX number.

..... ContactFunctionCode.....ContactFunctionCode The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.ListOfIdentifier (optional)

End of repeating element ContactCoded

.....SupplierParty

..... Party

..... @PartyID.....string The identification number for the party.

..... @AgencyID.....AgencyCode The agency that issued the party's identification number.

..... @AgencyOther.....string The agency that issued the identification number, specified if the value of AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier

.....Agency

..... @AgencyID.....AgencyCode The standards agency.

..... @AgencyOther.....string The standards agency, used when AgencyID has a value of "Other."

..... Ident.....string The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.

..... Identifier (optional)

.....Agency

..... @AgencyID.....AgencyCode The standards agency.

..... @AgencyOther.....string The standards agency, used when AgencyID has a value of "Other."

..... Ident.....string The coded identifier.

..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
..... OrderContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)

..... Contact
Identifier (optional)
Agency
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
 @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
Ident.....*string* The coded identifier.
ContactName.....*string* The employee or department name.
Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
Email (optional).....*string* The 1 to 80 character email address.
Fax (optional).....*string* The FAX number.
 OtherContacts (optional)
 ListOfContactCoded

Repeating element ContactCoded

.....ContactCoded
Contact
 Identifier (optional)
 Agency
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
 @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.
 ContactName.....*string* The employee or department name.
 Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
 Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.ListOfIdentifier (optional)

End of repeating element ContactCoded

.....BillToParty (optional)
 Party
 @PartyID.....*string* The identification number for the party.
 @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
 @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.
 ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier
.....Agency
.....@AgencyID.....AgencyCode The standards agency.
.....@AgencyOther.....string The standards agency, used when AgencyID has a value of "Other."
.....Ident.....string The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.
..... Identifier (optional)
.....Agency
.....@AgencyID.....AgencyCode The standards agency.
.....@AgencyOther.....string The standards agency, used when AgencyID has a value of "Other."
.....Ident.....string The coded identifier.
..... Name1.....string The first line of the name.
..... Name2 (optional).....string The second line of the name.
..... Name3 (optional).....string The third line of the name.
..... Address1.....string The first line of the street address.
..... Address2 (optional).....string The second line of the street address.
..... Address3 (optional).....string The third line of the street address.
..... Address4 (optional).....string The fourth line of the street address.
..... Address5 (optional).....string The fifth line of the street address.
..... City.....string The city.
..... StateOrProvince.....string The state or province.
..... PostalCode.....string The zip or postal code.
..... Country.....CountryCode The two-character country code.
..... OrderContact (optional)
..... Contact
.....Identifier (optional)
.....Agency
.....@AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther.....string The agency responsible for part numbers, used when AgencyID has a value of
"Other."
.....Ident.....string The coded identifier.
.....ContactName.....string The employee or department name.
.....Telephone.....string The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....string The 1 to 80 character email address.
.....Fax (optional).....string The FAX number.
..... ReceivingContact (optional)

..... Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded
Repeating element ContactCoded
.....ContactCoded
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

.....ListOfIdentifier (optional)
ListOfPartyCoded (optional)

Repeating element

..... PartyCoded
 Party
 @PartyID.....*string* The identification number for the party.
 @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
 @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier
Agency
 @AgencyID.....*AgencyCode* The standards agency.
 @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.
Identifier (optional)
Agency
 @AgencyID.....*AgencyCode* The standards agency.
 @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.
Name1.....*string* The first line of the name.
Name2 (optional).....*string* The second line of the name.
Name3 (optional).....*string* The third line of the name.
Address1.....*string* The first line of the street address.
Address2 (optional).....*string* The second line of the street address.
Address3 (optional).....*string* The third line of the street address.
Address4 (optional).....*string* The fourth line of the street address.
Address5 (optional).....*string* The fifth line of the street address.
City.....*string* The city.
StateOrProvince.....*string* The state or province.
PostalCode.....*string* The zip or postal code.

.....Country.....*CountryCode* The two-character country code.

..... OrderContact (optional)

.....Contact

.....Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... ReceivingContact (optional)

.....Contact

.....Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... ShippingContact (optional)

.....Contact

.....Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
.....ListOfContactCoded
Repeating element ContactCoded
.....ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact,
ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.
End of repeating element ContactCoded
..... PartyRole.....*PartyRoleCode* The role of the party. One of the following values: Buyer, Supplier,
CentralCatParty, StoreNumber, SuppAgent, ProdInqNum, or Other.
..... PartyRoleOther (optional).....*string* The role of the party, specified if the value of PartyRole is Other.
End of repeating element PartyCoded

.....ListOfNote (optional).....One or more notes from the supplier.

Repeating element Note

..... Note.....*string* Freeform text.

End of repeating element Note

Examples

```
<OrderStatusHeader>
  <OrderStatusDate>19990809T01:01:01</OrderStatusDate>
  <OrderParty>
    <BuyerParty>
      <Party>
        <NameAddress>
          <Name1>Mr. Muljadi Sulistio</Name1>
```

<Name2>Attention: Business Service Division</Name2>
<Address1>1600 Riviera Ave</Address1>
<Address2>Suite# 200</Address2>
<City>Walnut Creek</City>
<StateOrProvince>CA</StateOrProvince>
<PostalCode>94596</PostalCode>
<Country>US</Country>
</NameAddress>
<OrderContact>
<Contact>
<ContactName>Mr. Mike Holloway</ContactName>
<Telephone>(925) 941-3333</Telephone>
<Email>mike.holloway@commerceone.com</Email>
<Fax>(925) 941-4555</Fax>
</Contact>
</OrderContact>
<ReceivingContact>
<Contact>
<ContactName>Mr. Debbie Dub</ContactName>
<Telephone>(925) 941-2222</Telephone>
<Email>debbie.dub@commerceone.com</Email>
<Fax>(925) 941-4555</Fax>
</Contact>
</ReceivingContact>
<ShippingContact>
<Contact>
<ContactName>Ms. John Wayne</ContactName>
<Telephone>(925) 941-1111</Telephone>
<Email>john.wayne@commerceone.com</Email>
<Fax>(925) 941-4555</Fax>
</Contact>
</ShippingContact>
</Party>
</BuyerParty>
</SupplierParty>
<Party>
<NameAddress>
<Name1>Millenium Supplier Corporation</Name1>
<Name2>Attention: Office Supply Division</Name2>

```
<Address1>355 Alameda Street</Address1>  
<Address2>Suite 100</Address2>  
<City>San Jose</City>  
<StateOrProvince>CA</StateOrProvince>  
<PostalCode>94588</PostalCode>  
<Country>US</Country>  
</NameAddress>  
</Party>  
</SupplierParty>  
</OrderParty>  
</OrderStatusHeader>
```

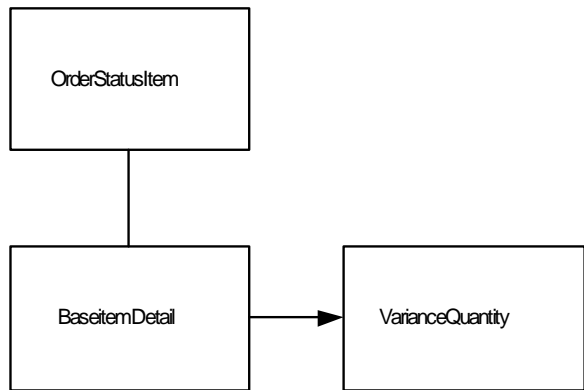

OrderStatusItem

The OrderStatusItem element contains the quantity of an item that has been back ordered. It consists of:

- A BaseItemDetail element, which identifies the line item.
- A VarianceQuantity element, which specifies the quantity of the item that has been back ordered.

[Source Code](#) OrderStatusItem.mod on page 1101

Structure



Contents

OrderStatusItem

.....BaseItemDetail

..... LineItemNum.....The line number on which the item appears in the order.

..... SubLineItemNum (optional).....

..... SupplierPartNum (optional)..... The supplier's part number for this item.

..... PartNum

..... Agency.....The agency that assigned the supplier's part number.

..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... BuyerPartNum (optional).....The buyer's part number for this item.

..... PartNum

..... Agency.....The agency that assigned the buyer's part number.

..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... ManufacturerPartNum (optional)

..... PartNum

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part number.

..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... CommodityCode (optional).....*string* The item's commodity code.

..... ItemDescription (optional).....*string* A description of the item.

..... Quantity (optional)

..... Qty.....*Decimal15_3* The quantity of the item that was ordered.

..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

..... MaxBackOrderQuantity (optional)

..... Quantity

..... Qty.....*Decimal15_3* The quantity of the item.

..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

..... FinalRecipient (optional)

..... Party

..... @PartyID

..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier

.....Agency

..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.

..... @AgencyOther.....*string* The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."

.....Ident

End of repeating element Identifier

..... NameAddress (optional)

..... Identifier (optional)

.....Agency

..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.

..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... Name1.....*string* The first line of the name.

..... Name2 (optional).....*string* The second line of the name.

..... Name3 (optional).....*string* The third line of the name.

..... Address1.....*string* The first line of the street address.

..... Address2 (optional).....*string* The second line of the street address.

..... Address3 (optional).....*string* The third line of the street address.

..... Address4 (optional).....*string* The fourth line of the street address.

..... Address5 (optional).....*string* The fifth line of the street address.

..... City.....*string* The city.

..... StateOrProvince.....*string* The state or province.

..... PostalCode.....*string* The zip or postal code.

..... Country.....*CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

..... Identifier (optional).....The order contact's identification number.

.....Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

.....ContactName.....*string* The order contact's employee or department name.
.....Telephone.....*string* The order contact's 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The order contact's 1 to 80 character email address.
.....Fax (optional).....*string* The order contact's FAX number.
..... ReceivingContact (optional)
..... Contact
.....Identifier (optional).....The receiving contact's identification number.
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The receiving contact's employee or department name.
.....Telephone.....*string* The receiving contact's 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The receiving contact's 1 to 80 character email address.
.....Fax (optional).....*string* The receiving contact's FAX number.
..... ShippingContact (optional)
..... Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The shipping contact's employee or department name.
.....Telephone.....*string* The shipping contact's 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The shipping contact's 1 to 80 character email address.
.....Fax (optional).....*string* The shipping contact's FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded
Repeating element ContactCoded
.....ContactCoded
..... Contact
..... Identifier (optional)

..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... Transport (optional)
..... @Direction.....*TransitDirection* The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).
..... Mode (optional).....*TransportMode* The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.
..... TransportModeOther (optional).....*string* A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.
..... Mean (optional).....*TransportMean* The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.
..... TransportMeanOther (optional).....*string* 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.
..... Carrier (optional).....*CarrierCode* The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other
..... CarrierOther (optional).....*string* The name of the carrier, specified if the value of Carrier is Other.
..... CustShippingContractNum (optional).....*string* The 1 to 35 character shipping contract number.
..... ShippingInstruction (optional).....*string* Brief (up to 256 characters) shipping instructions.
..... OffCatalogFlag.....*Boolean* True if the item appears in the product catalog; false if it does not.
..... VarianceQuantity
..... OrderedQtyDifference.....*Decimal15_3* The difference between the invoiced quantity and the quantity that was ordered.

Examples

```
<OrderStatusItem>
  <BaseItemDetail>
    <LineItemNum>1</LineItemNum>
    <SupplierPartNum>
      <PartNum><Agency AgencyOther="Federal Widgets"/>
```

```
<PartID>TT-99-012345</PartID>
</PartNum>
</SupplierPartNum>
</BaseItemDetail>
<VarianceQuantity>
  <OrderedQtyDifference>00000000000012.000</OrderedQtyDifference>
</VarianceQuantity>
</OrderStatusItem>
```

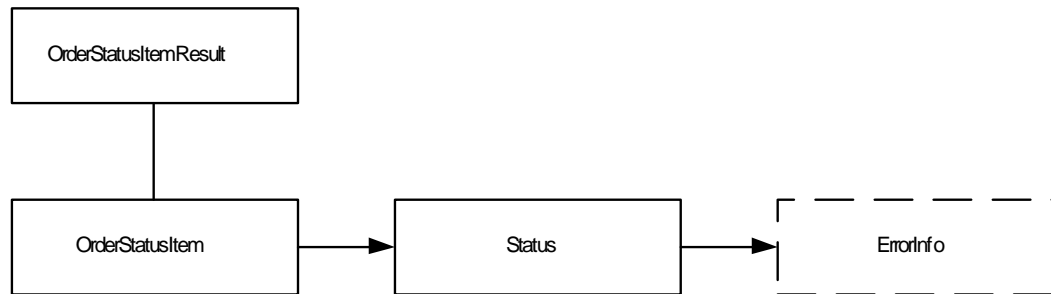
OrderStatusItemResult

The OrderStatusItemResult element contains information about the status of a line item in an order. It consists of:

- An OrderStatusItem element, which identifies the item whose status is being returned.
- A Status element, which contains the status of the item.
- An optional ErrorInfo element, which contains information about errors that occurred during the status check.

Source Code

Structure



Contents

OrderStatusItemResult

.....OrderStatusItem

..... ..BaseItemDetail

..... ..LineItemNum.....The line number on which the item appears in the order.

..... ..SubLineItemNum (optional).....

..... ..SupplierPartNum (optional).....The supplier's part number for this item.

..... ..PartNum

..... ..Agency.....The agency that assigned the supplier's part number.

..... ..@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

..... ..@AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... ..PartID.....*string* The unique identifier for the part.

..... ..PartIDExt (optional).....*string* The part number extension.

..... BuyerPartNum (optional).....The buyer's part number for this item.

..... PartNum

..... Agency.....The agency that assigned the buyer's part number.

.....@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

.....@AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... ManufacturerPartNum (optional)

..... PartNum

..... Agency

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part number.

.....@AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... CommodityCode (optional).....*string* The item's commodity code.

..... ItemDescription (optional).....*string* A description of the item.

..... Quantity (optional)

..... Qty.....*Decimal15_3* The total quantity of the item that was ordered.

..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

..... MaxBackOrderQuantity (optional)

..... Quantity

..... Qty.....*Decimal15_3* The maximum acceptable backordered quantity for this item.

..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

..... FinalRecipient (optional)

..... Party

..... @PartyID

..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... ListOfIdentifier (optional)

.....Identifier

.....Agency
..... @AgencyID.....AgencyCode The agency responsible for issuing the identifier.
..... @AgencyOther.....string The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."

.....Ident
..... NameAddress (optional)
.....Identifier (optional)
.....Agency
..... AgencyID.....AgencyCode The agency responsible for issuing the identifier.
..... AgencyOther.....string The standards agency, specifed when AgencyID has a value of "Other."
..... Ident.....string The coded identifier.
..... Name1.....string The first line of the recipient's name.
..... Name2 (optional).....string The second line of the recipient's name.
..... Name3 (optional).....string The third line of the recipient's name.
..... Address1.....string The first line of the recipient's street address.
..... Address2 (optional).....string The second line of the recipient's street address.
..... Address3 (optional).....string The third line of the recipient's street address.
..... Address4 (optional).....string The fourth line of the recipient's street address.
..... Address5 (optional).....string The fifth line of the recipient's street address.
..... City.....string The recipient's city.
..... StateOrProvince.....string The recipient's state or province.
..... PostalCode.....string The recipient's zip or postal code.
..... Country.....CountryCode The recipient's two-character country code.

..... OrderContact (optional)
.....Contact
..... Identifier (optional).....The order contact's identification number.
..... Agency
..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification number.
..... @AgencyOther.....string The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident.....string The coded identifier.
..... ContactName.....string The employee or department name.
..... Telephone.....string The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....string The 1 to 80 character email address.
..... Fax (optional).....string The FAX number.
..... ReceivingContact (optional)
.....Contact

.....Identifier (optional).....The receiving contact's identification number.

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... ShippingContact (optional)

.....Contact

.....Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... OtherContacts (optional)

.....ListOfContactCoded

Repeating element ContactCoded

.....ContactCoded

..... Contact

..... Identifier (optional)

..... Agency

.....@AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.

.....@AgencyOther...*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... ContactFunctionCode..... *ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... Transport (optional)
 @Direction..... *TransitDirection* The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).
 Mode (optional)..... *TransportMode* The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.
 TransportModeOther (optional)..... *string* A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.
 Mean (optional)..... *TransportMean* The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.
 TransportMeanOther (optional)..... *string* 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.
 Carrier (optional)..... *CarrierCode* The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other
 CarrierOther (optional)..... *string* The name of the carrier, specified if the value of Carrier is Other.
 CustShippingContractNum (optional)..... *string* The 1 to 35 character shipping contract number.
 ShippingInstruction (optional)..... *string* Brief (up to 256 characters) shipping instructions.
 OffCatalogFlag..... *Boolean* True if the item appears in the product catalog; false if it does not.
 VarianceQuantity
 OrderedQtyDifference..... *Decimal15_3* The difference between the invoiced quantity and the quantity that was ordered.

.....Status

..... StatusNote..... *string* General information about the status of an order.
 StatusEvent..... The status of the purchase order.
 StatusEventCodeElement..... *StatusEventCode* The status of the order.
 StausEventCodeOther (optional)..... *string* The status of the the order, specified if the value of StatusEventCodeElement is Other.
 ListOfStatusReason (optional)..... One or more reasons for the status.

Repeating element StatusReason

..... StatusReason
 StatusReasonCodeElement..... *StatusReasonCode* The reason for the purchase order's status.
 StatusReasonCodeother (optional)..... *string* The reason for the purchase order's status, specified if StatusReasonCodeElement has a value of Other.

End of repeating element StatusReason

.....ErrorInfo (optional)

..... *CompletionCode*.....*string* The error code.

..... *CompletionMsg*

..... *LangString*.....*string* The error message.

..... *@Lang*.....*LangCode* The ISO code for the language in which the message is written.

..... *Severity*.....*SeverityCode* The severity of the error. one of the following values: Informational, Warning, Diagnostic, Transient, Error, Warning, or Other.

..... *ListOfParameter* (optional).....One or more parameters specifying additional information about the error.

..... *MinRetrySecs* (optional).....*int* The number of seconds a caller must wait before sending a retry request.

..... *SwVendorErrorRef* (optional).....*string* The location of the code that generated the error.

Examples

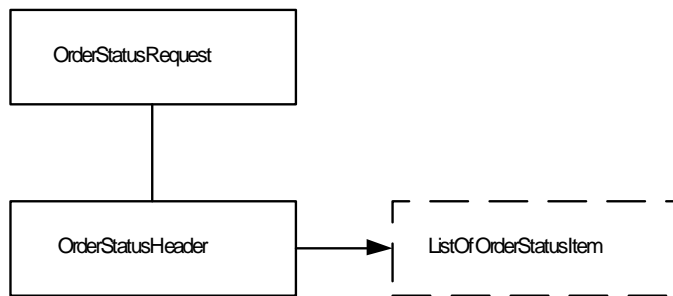
OrderStatusRequest

The OrderStatusRequest element contains a request for the status of one or more purchase orders. It consists of:

- An OrderStatusHeader element, which contains contact information.
- An optional ListOfOrderStatusItem element, which identifies the orders whose status is being requested.

[Source Code](#) OrderStatusRequest.sox on page 1103

Structure



Contents

OrderStatusRequest	
.....OrderStatusHeader	
..... OrderStatusDate.....	<i>datetime</i> The date for which status was requested.
..... OrderParty	
..... BuyerParty	
..... Party	
..... @PartyID.....	<i>string</i> The identification number for the party.
..... @AgencyID.....	<i>AgencyCode</i> The agency that issued the party's identification number.
..... @AgencyOther.....	<i>string</i> The agency that issued the identification number, specified if the value of AgencyID is Other.
..... ListOfIdentifier (optional)	
..... Repeating element Identifier	
..... Identifier	
..... Agency	

..... @AgencyID.....AgencyCode The standards agency.
 @AgencyOther.....string The standards agency, used when AgencyID has a value of "Other."
 Ident.....string The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.
 Identifier (optional)
 Agency
 @AgencyID.....AgencyCode The standards agency.
 @AgencyOther.....string The standards agency, used when AgencyID has a value of "Other."
 Ident.....string The coded identifier.
 Name1.....string The first line of the name.
 Name2 (optional).....string The second line of the name.
 Name3 (optional).....string The third line of the name.
 Address1.....string The first line of the street address.
 Address2 (optional).....string The second line of the street address.
 Address3 (optional).....string The third line of the street address.
 Address4 (optional).....string The fourth line of the street address.
 Address5 (optional).....string The fifth line of the street address.
 City.....string The city.
 StateOrProvince.....string The state or province.
 PostalCode.....string The zip or postal code.
 Country.....CountryCode The two-character country code.
 OrderContact (optional)
 Contact
 Identifier (optional)
 Agency
 @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
 AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
 @AgencyOther.....string The agency responsible for part numbers, used when AgencyID has a value of
 "Other."
 Ident.....string The coded identifier.
 ContactName.....string The employee or department name.
 Telephone.....string The 1 to 80 character telephone number including country code and area code.
 Email (optional).....string The 1 to 80 character email address.
 Fax (optional).....string The FAX number.
 ReceivingContact (optional)
 Contact
 Identifier (optional)
 Agency

..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther..... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

..... ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency

..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther..... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

..... OtherContacts (optional)
..... ListOfContactCoded

Repeating element ContactCoded

..... ContactCoded
..... Contact
..... Identifier (optional)
..... Agency

..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

..... ContactFunctionCode..... *ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.ListOfIdentifier (optional)

End of repeating element ContactCoded

..... ShipToParty (optional)

..... Party

..... @PartyID..... *string* The identification number for the party.

..... @AgencyID..... *AgencyCode* The agency that issued the party's identification number.

..... @AgencyOther..... *string* The agency that issued the identification number, specified if the value of AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier

..... Agency

..... @AgencyID..... *AgencyCode* The standards agency.

..... @AgencyOther..... *string* The standards agency, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional)..... Name and address information for the party.

..... Identifier (optional)

..... Agency

..... @AgencyID..... *AgencyCode* The standards agency.

..... @AgencyOther..... *string* The standards agency, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... Name1..... *string* The first line of the name.

..... Name2 (optional)..... *string* The second line of the name.

..... Name3 (optional)..... *string* The third line of the name.

..... Address1..... *string* The first line of the street address.

..... Address2 (optional)..... *string* The second line of the street address.

..... Address3 (optional)..... *string* The third line of the street address.

..... Address4 (optional)..... *string* The fourth line of the street address.

..... Address5 (optional)..... *string* The fifth line of the street address.

..... City..... *string* The city.

..... StateOrProvince..... *string* The state or province.

..... PostalCode..... *string* The zip or postal code.

..... Country..... *CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

..... Identifier (optional)

..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded

Repeating element ContactCoded

.....ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.ListOfIdentifier (optional)

End of repeating element ContactCoded

..... SupplierParty
..... Party
..... @PartyID.....*string* The identification number for the party.
..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier
.....Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
.....Name1.....*string* The first line of the name.
.....Name2 (optional).....*string* The second line of the name.

.....Name3 (optional).....*string* The third line of the name.
.....Address1.....*string* The first line of the street address.
.....Address2 (optional).....*string* The second line of the street address.
.....Address3 (optional).....*string* The third line of the street address.
.....Address4 (optional).....*string* The fourth line of the street address.
.....Address5 (optional).....*string* The fifth line of the street address.
.....City.....*string* The city.
.....StateOrProvince.....*string* The state or province.
.....PostalCode.....*string* The zip or postal code.
.....Country.....*CountryCode* The two-character country code.
..... OrderContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
.....Contact
..... Identifier (optional)

..... Agency
..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther..... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident..... *string* The coded identifier.
..... ContactName..... *string* The employee or department name.
..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional)..... *string* The 1 to 80 character email address.
..... Fax (optional)..... *string* The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded

Repeating element ContactCoded

..... ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident..... *string* The coded identifier.
..... ContactName..... *string* The employee or department name.
..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional)..... *string* The 1 to 80 character email address.
..... Fax (optional)..... *string* The FAX number.
..... ContactFunctionCode..... *ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact. ListOfIdentifier (optional)

End of repeating element ContactCoded

..... BillToParty (optional)
..... Party
..... @PartyID..... *string* The identification number for the party.
..... @AgencyID..... *AgencyCode* The agency that issued the party's identification number.
..... @AgencyOther..... *string* The agency that issued the identification number, specified if the value of AgencyID is Other.
..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier

.....Agency
 @AgencyID.....AgencyCode The standards agency.
 @AgencyOther.....string The standards agency, used when AgencyID has a value of "Other."
Ident.....string The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.
Identifier (optional)

.....Agency
 @AgencyID.....AgencyCode The standards agency.
 @AgencyOther.....string The standards agency, used when AgencyID has a value of "Other."
Ident.....string The coded identifier.

.....Name1.....string The first line of the name.
Name2 (optional).....string The second line of the name.
Name3 (optional).....string The third line of the name.
Address1.....string The first line of the street address.
Address2 (optional).....string The second line of the street address.
Address3 (optional).....string The third line of the street address.
Address4 (optional).....string The fourth line of the street address.
Address5 (optional).....string The fifth line of the street address.
City.....string The city.
StateOrProvince.....string The state or province.
PostalCode.....string The zip or postal code.
Country.....CountryCode The two-character country code.

..... OrderContact (optional)
Contact

.....Identifier (optional)
Agency
 @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
 AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
 @AgencyOther.....string The agency responsible for part numbers, used when AgencyID has a value of
 "Other."

.....Ident.....string The coded identifier.
ContactName.....string The employee or department name.
Telephone.....string The 1 to 80 character telephone number including country code and area code.
Email (optional).....string The 1 to 80 character email address.
Fax (optional).....string The FAX number.

..... ReceivingContact (optional)
Contact
Identifier (optional)

..... Agency
..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther..... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.
..... ContactName..... *string* The employee or department name.
..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional)..... *string* The 1 to 80 character email address.
..... Fax (optional)..... *string* The FAX number.
..... ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther..... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.
..... ContactName..... *string* The employee or department name.
..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional)..... *string* The 1 to 80 character email address.
..... Fax (optional)..... *string* The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded
Repeating element ContactCoded
..... ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.
..... ContactName..... *string* The employee or department name.
..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional)..... *string* The 1 to 80 character email address.
..... Fax (optional)..... *string* The FAX number.

..... ContactFunctionCode..... *ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... ListOfIdentifier (optional)

..... ListOfPartyCoded (optional)

Repeating element

..... PartyCoded

..... Party

..... @PartyID..... *string* The identification number for the party.

..... @AgencyID..... *AgencyCode* The agency that issued the party's identification number.

..... @AgencyOther..... *string* The agency that issued the identification number, specified if the value of AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier

..... Agency

..... @AgencyID..... *AgencyCode* The standards agency.

..... @AgencyOther..... *string* The standards agency, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional)..... Name and address information for the party.

..... Identifier (optional)

..... Agency

..... @AgencyID..... *AgencyCode* The standards agency.

..... @AgencyOther..... *string* The standards agency, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... Name1..... *string* The first line of the name.

..... Name2 (optional)..... *string* The second line of the name.

..... Name3 (optional)..... *string* The third line of the name.

..... Address1..... *string* The first line of the street address.

..... Address2 (optional)..... *string* The second line of the street address.

..... Address3 (optional)..... *string* The third line of the street address.

..... Address4 (optional)..... *string* The fourth line of the street address.

..... Address5 (optional)..... *string* The fifth line of the street address.

..... City..... *string* The city.

..... StateOrProvince..... *string* The state or province.

..... PostalCode..... *string* The zip or postal code.

..... Country..... *CountryCode* The two-character country code.

..... OrderContact (optional)

.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....ReceivingContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....ShippingContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....OtherContacts (optional)

.....ListOfContactCoded

Repeating element ContactCoded

..... ContactCoded

..... Contact

..... Identifier (optional)

.....Agency

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

.....@AgencyOther...*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... PartyRole.....*PartyRoleCode* The role of the party. One of the following values: Buyer, Supplier, CentralCatParty, StoreNumber, SuppAgent, ProdInqNum, or Other.

..... PartyRoleOther (optional).....*string* The role of the party, specified if the value of PartyRole is Other.

End of repeating element PartyCoded

.....ListOfNote (optional).....One or more notes from the supplier.

Repeating element Note

..... Note.....*string* Freeform text.

End of repeating element Note

.....ListofOrderStatusItem (optional)

Repeating element OrderStatusItem

..... OrderStatusItem

..... BaseItemDetail

..... LineItemNum.....The line number on which the item appears in the order.

..... SubLineItemNum (optional).....

..... SupplierPartNum (optional).....The supplier's part number for this item.

..... PartNum

..... Agency.....The agency that assigned the supplier's part number.

.....@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

.....@AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... BuyerPartNum (optional).....The buyer's part number for this item.
..... PartNum
..... Agency.....The agency that assigned the buyer's part number.
..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... ManufacturerPartNum (optional)
..... PartNum
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part
number.
..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... CommodityCode (optional).....*string* The item's commodity code.
..... ItemDescription (optional).....*string* A description of the item.
..... Quantity (optional)
..... Qty.....*Decimal15_3* The total quantity of the item that was ordered.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... MaxBackOrderQuantity (optional)
..... Quantity
..... Qty.....*Decimal15_3* The maximum acceptable backordered quantity for this item.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... FinalRecipient (optional)
..... Party
..... @PartyID
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier
.....Agency
..... @AgencyID.....AgencyCode The agency responsible for issuing the identifier.
..... @AgencyOther.....string The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."

End of repeating element Identifier

.....NameAddress (optional)
.....Identifier (optional)
.....Agency
..... @AgencyID.....AgencyCode The agency responsible for issuing the identifier.
..... @AgencyOther.....string The standards agency, specifed when AgencyID has a value of "Other."
.....Ident.....string The coded identifier.
.....Name1.....string The first line of the name.
.....Name2 (optional).....string The second line of the name.
.....Name3 (optional).....string The third line of the name.
.....Address1.....string The first line of the street address.
.....Address2 (optional).....string The second line of the street address.
.....Address3 (optional).....string The third line of the street address.
.....Address4 (optional).....string The fourth line of the street address.
.....Address5 (optional).....string The fifth line of the street address.
.....City.....string The city.
.....StateOrProvince.....string The state or province.
.....PostalCode.....string The zip or postal code.
.....Country.....CountryCode The two-character country code.
..... OrderContact (optional)
.....Contact
..... Identifier (optional).....The order contact’s identification number.
..... Agency
..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact’s identification number.
..... @AgencyOther.....string The agency that issued the identification number, used when AgencyID has a value of "Other."
..... Ident.....string The coded identifier.
..... ContactName.....string The order contact’s employee or department name.
..... Telephone.....string The order contact’s 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The order contact's 1 to 80 character email address.
.....Fax (optional).....*string* The order contact's FAX number.
..... ReceivingContact (optional)
.....Contact
.....Identifier (optional).....The receiving contact's identification number.
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value
of "Other."
..... Ident.....*string* The coded identifier.
.....ContactName.....*string* The receiving contact's employee or department name.
.....Telephone.....*string* The receiving contact's 1 to 80 character telephone number including country code
and area code.
.....Email (optional).....*string* The receiving contact's 1 to 80 character email address.
.....Fax (optional).....*string* The receiving contact's FAX number.
..... ShippingContact (optional)
.....Contact
.....Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value
of "Other."
..... Ident.....*string* The coded identifier.
.....ContactName.....*string* The shipping contact's employee or department name.
.....Telephone.....*string* The shipping contact's 1 to 80 character telephone number including country code
and area code.
.....Email (optional).....*string* The shipping contact's 1 to 80 character email address.
.....Fax (optional).....*string* The shipping contact's FAX number.
..... OtherContacts (optional)
.....ListOfContactCoded
Repeating element ContactCoded
.....ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
.....@AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.

.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.
 ContactName.....*string* The employee or department name.
 Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
 Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
 ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... Transport (optional)
 @Direction.....*TransitDirection* The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).
 Mode (optional).....*TransportMode* The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.
 TransportModeOther (optional).....*string* A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.
 Mean (optional).....*TransportMean* The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.
 TransportMeanOther (optional).....*string* 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.
 Carrier (optional).....*CarrierCode* The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other
 CarrierOther (optional).....*string* The name of the carrier, specified if the value of Carrier is Other.
 CustShippingContractNum (optional).....*string* The 1 to 35 character shipping contract number.
 ShippingInstruction (optional).....*string* Brief (up to 256 characters) shipping instructions.
 OffCatalogFlag.....*Boolean* True if the item appears in the product catalog; false if it does not.
 VarianceQuantity
 OrderedQtyDifference.....*Decimal15_3* The difference between the invoiced quantity and the quantity that was ordered.

End of repeating element OrderStatusItem

Examples

Example 1

```
<?xml version="1.0"?>
<OrderStatusRequest>
  <OrderStatusHeader>
```

```

<OrderStatusDate>19991213</OrderStatusDate>
<OrderParty>
  <BuyerParty>
    <Party>
      <NameAddress>
        <Name1>John Q. Right</Name1>
        <Address1>566 River Street</Address1>
        <City>High City</City>
        <StateOrProvince>OH</StateOrProvince>
        <PostalCode>22345</PostalCode>
        <Country>US</Country>
      </NameAddress>
    </Party>
  </BuyerParty>
  <SupplierParty>
    <Party>
      <NameAddress>
        <Name1>Widget Corporation</Name1>
        <Address1>45 Widget Circle</Address1>
        <City>Widget City</City>
        <StateOrProvince>IL</StateOrProvince>
        <PostalCode>65778</PostalCode>
        <Country>US</Country>
      </NameAddress>
    </Party>
  </SupplierParty>
  <BillToParty>
    <Party>
      <NameAddress>
        <Name1>John Q. Right</Name1>
        <Address1>566 River Street</Address1>
        <City>High City</City>
        <StateOrProvince>OH</StateOrProvince>
        <PostalCode>22345</PostalCode>
        <Country>US</Country>
      </NameAddress>
    </Party>
  </BillToParty>
</OrderParty>
<ListOfNote>
  <Note>This was ordered incorrectly. We need to delete this order.</Note>
</ListOfNote>

```

```

</OrderStatusHeader>
<ListOfOrderStatusDetailRequest>
  <OrderStatusDetailRequest>
    <OrderReference>
      <AccountCode>
        <Reference>
          <RefNum>WID-80-100</RefNum>
          <RefDate>19990623T03:22:10</RefDate>
        </Reference>
      </AccountCode>
      <BuyerRefNum>
        <ReferenceCoded>
          <RefNum>EE65T-00</RefNum>
          <RefDate>19990311T01:30:22</RefDate>
          <RefCode><?xml-replace_text {RefCode} ?></RefCode>
        </ReferenceCoded>
      </BuyerRefNum>
    </OrderReference>
    <OrderDate>19991103</OrderDate>
    <ListOfOrderStatusItem>
      <OrderStatusItem>
        <BaseItemDetail>
          <LineItemNum>1</LineItemNum>
          <SupplierPartNum>
            <PartNum><Agency AgencyOther="Federal Widgets"/>
            <PartID>TT-99-012345</PartID>
          </PartNum>
          </SupplierPartNum>
        </BaseItemDetail>
        <VarianceQuantity>
          <OrderedQtyDifference>000000000000012.000</OrderedQtyDifference>
        </VarianceQuantity>
      </OrderStatusItem>
    </ListOfOrderStatusItem>
  </OrderStatusDetailRequest>
</ListOfOrderStatusDetailRequest>
</OrderStatusRequest

```

Example 2

```
<?soxtype OrderStatusRequest urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0?>
```

<!-- OrderStatusRequest1.xml is an example of an order status request document -->

```
<OrderStatusRequest>
  <OrderStatusHeader>
    <OrderStatusDate>19990809T01:01:01</OrderStatusDate>
  <OrderParty>
    <BuyerParty>
      <Party>
        <NameAddress>
          <Name1>Mr. John Doe</Name1>
          <Name2>Attention: Business Service Division</Name2>
          <Address1>1600 Riviera Ave</Address1>
          <Address2>Suite# 200</Address2>
          <City>Walnut Creek</City>
          <StateOrProvince>CA</StateOrProvince>
          <PostalCode>94596</PostalCode>
          <Country>US</Country>
        </NameAddress>
      <OrderContact>
        <Contact>
          <ContactName>Mr. Harry Michaels</ContactName>
          <Telephone>(925) 941-3333</Telephone>
          <Email>harry.michaels@commerceone.com</Email>
          <Fax>(925) 941-4555</Fax>
        </Contact>
      </OrderContact>
    <ReceivingContact>
      <Contact>
        <ContactName>Ms. Debbie Dub</ContactName>
        <Telephone>(925) 941-2222</Telephone>
        <Email>debbie.dub@commerceone.com</Email>
        <Fax>(925) 941-4555</Fax>
      </Contact>
    </ReceivingContact>
  <ShippingContact>
    <Contact>
      <ContactName>Ms. John Wayne</ContactName>
      <Telephone>(925) 941-1111</Telephone>
```



```
        <Email>john.wayne@commerceone.com</Email>
        <Fax>(925) 941-4555</Fax>
    </Contact>
</ShippingContact>
</Party>
</BuyerParty>
<SupplierParty>
<Party>
<NameAddress>
    <Name1>Millenium Supplier Corporation</Name1>
    <Name2>Attention: Office Supply Division</Name2>
    <Address1>355 Alameda Street</Address1>
    <Address2>Suite 100</Address2>
    <City>San Jose</City>
    <StateOrProvince>CA</StateOrProvince>
    <PostalCode>94588</PostalCode>
    <Country>US</Country>
</NameAddress>
</Party>
</SupplierParty>
</OrderParty>
</OrderStatusHeader>

<ListOfOrderStatusDetailRequest>
<OrderStatusDetailRequest>
    <OrderReference>
        <AccountCode>
            <Reference>
                <RefNum>OD11222S</RefNum>
            </Reference>
        </AccountCode>
        <BuyerRefNum>
            <Reference>
                <RefNum>PO1221</RefNum>
            </Reference>
        </BuyerRefNum>
        <SupplierRefNum>
            <Reference>
                <RefNum>009199111</RefNum>
            </Reference>
        </SupplierRefNum>
    </OrderReference>
</OrderStatusDetailRequest>
</ListOfOrderStatusDetailRequest>
```

```
</Reference>
  </SupplierRefNum>
</OrderReference>
  <OrderDate>19990809T01:01:01</OrderDate>
</OrderStatusDetailRequest>
  </ListOfOrderStatusDetailRequest>
</OrderStatusRequest>
```

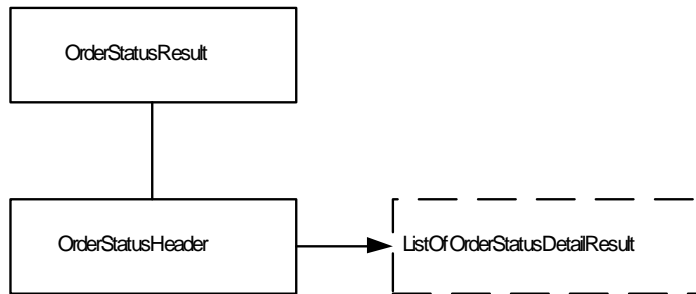
OrderStatusResult

The OrderStatusResult element contains the response to a request for an order's status. It consists of:

- An OrderStatusHeader element, which identifies the status request.
- An optional ListOfOrderStatusDetailResult element, which contains the status of one or more line items.

[Source Code](#) OrderStatusResult.sox on page 1105

Structure



Contents

OrderStatusResult	
.....OrderStatusHeader	
..... OrderStatusDate.....	<i>datetime</i> The date for which status was requested.
..... OrderParty	
..... BuyerParty	
..... Party	
..... @PartyID.....	<i>string</i> The identification number for the party.
..... @AgencyID.....	<i>AgencyCode</i> The agency that issued the party's identification number.
..... @AgencyOther.....	<i>string</i> The agency that issued the identification number, specified if the value of AgencyID is Other.
..... ListOfIdentifier (optional)	
..... Identifier	
..... Agency	
..... @AgencyID.....	<i>AgencyCode</i> The standards agency.

..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... NameAddress (optional).....Name and address information for the party.
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
..... OrderContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther..... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

..... ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther..... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

..... OtherContacts (optional)
..... ListOfContactCoded
Repeating element ContactCoded
..... ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

..... ContactFunctionCode..... *ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

..... ListOfIdentifier (optional)

End of repeating element ContactCoded

..... ShipToParty (optional)
..... Party
..... @PartyID.....*string* The identification number for the party.
..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier
.....Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
.....Name1.....*string* The first line of the name.
.....Name2 (optional).....*string* The second line of the name.
.....Name3 (optional).....*string* The third line of the name.
.....Address1.....*string* The first line of the street address.
.....Address2 (optional).....*string* The second line of the street address.
.....Address3 (optional).....*string* The third line of the street address.
.....Address4 (optional).....*string* The fourth line of the street address.
.....Address5 (optional).....*string* The fifth line of the street address.
.....City.....*string* The city.
.....StateOrProvince.....*string* The state or province.
.....PostalCode.....*string* The zip or postal code.
.....Country.....*CountryCode* The two-character country code.

..... OrderContact (optional)

.....Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ReceivingContact (optional)
.....Contact
.....Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ShippingContact (optional)
.....Contact
.....Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... OtherContacts (optional)
.....ListOfContactCoded
Repeating element ContactCoded
.....ContactCoded
..... Contact
..... Identifier (optional)

..... Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther...*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact

End of repeating element ContactCoded

..... ListOfIdentifier (optional)
..... SupplierParty
..... Party
..... @PartyID.....*string* The identification number for the party.
..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.
..... ListOfIdentifier (optional)
..... Identifier
..... Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... NameAddress (optional).....Name and address information for the party.
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.

.....Address5 (optional).....*string* The fifth line of the street address.
.....City.....*string* The city.
.....StateOrProvince.....*string* The state or province.
.....PostalCode.....*string* The zip or postal code.
.....Country.....*CountryCode* The two-character country code.
..... OrderContact (optional)
.....Contact
.....Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
.....Contact
.....Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
.....Contact
.....Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."

..... Ident.....*string* The coded identifier.
 ContactName.....*string* The employee or department name.
 Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
 Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
 OtherContacts (optional)
 ListOfContactCoded

Repeating element ContactCoded

..... ContactCoded
 Contact
 Identifier (optional)
 Agency
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
 @AgencyOther...*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.
 ContactName.....*string* The employee or department name.
 Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
 Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
 ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact

End of repeating element ContactCoded

..... ListOfIdentifier (optional)
 BillToParty (optional)
 Party
 @PartyID.....*string* The identification number for the party.
 @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
 @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier
 Agency
 @AgencyID.....*AgencyCode* The standards agency.
 @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.
.....Identifier (optional)
.....Agency
..... @AgencyID.....AgencyCode The standards agency.
..... @AgencyOther.....string The standards agency, used when AgencyID has a value of "Other."
..... Ident.....string The coded identifier.
.....Name1.....string The first line of the name.
.....Name2 (optional).....string The second line of the name.
.....Name3 (optional).....string The third line of the name.
.....Address1.....string The first line of the street address.
.....Address2 (optional).....string The second line of the street address.
.....Address3 (optional).....string The third line of the street address.
.....Address4 (optional).....string The fourth line of the street address.
.....Address5 (optional).....string The fifth line of the street address.
.....City.....string The city.
.....StateOrProvince.....string The state or province.
.....PostalCode.....string The zip or postal code.
.....Country.....CountryCode The two-character country code.
..... OrderContact (optional)
.....Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....string The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....string The coded identifier.
.....ContactName.....string The employee or department name.
.....Telephone.....string The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....string The 1 to 80 character email address.
.....Fax (optional).....string The FAX number.
..... ReceivingContact (optional)
.....Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....string The agency responsible for part numbers, used when AgencyID has a value of
"Other."

..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded
Repeating element ContactCoded
..... ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther...*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact,
ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact
End of repeating element ContactCoded
..... ListOfIdentifier (optional)
..... ListOfPartyCoded (optional)

Repeating element PartyCoded

..... PartyCoded
..... Party
.....@PartyID.....*string* The identification number for the party.
.....@AgencyID.....*AgencyCode* The agency that issued the party's identification number.
.....@AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

.....ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier
..... Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.

End of repeating element Identifier

.....NameAddress (optional).....Name and address information for the party.
.....Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.

.....OrderContact (optional)

.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther..... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

.....ReceivingContact (optional)

.....Contact

..... Identifier (optional)

..... Agency

..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther..... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

.....ShippingContact (optional)

.....Contact

..... Identifier (optional)

..... Agency

..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther..... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

.....OtherContacts (optional)

.....ListOfContactCoded

Repeating element ContactCoded

..... ContactCoded

..... Contact

..... Identifier (optional)

.....Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... PartyRole.....*PartyRoleCode* The role of the party. One of the following values: Buyer, Supplier, CentralCatParty, StoreNumber, SuppAgent, ProdInqNum, or Other.
..... PartyRoleOther (optional).....*string* The role of the party, specified if the value of PartyRole is Other.

End of repeating element PartyCoded

.....ListOfNote (optional).....One or more notes from the supplier.

Repeating element Note

..... Note.....*string* Freeform text.

End of repeating element Note

.....ListOfOrderStatusDetailResult (optional)

Repeating element OrderStatusDetailResult

..... OrderStatusDetailResult
..... OrderStatusDetail
..... OrderReference.....The item for which status is being requested.
..... AccountCode
.....Reference
.....RefNum.....*string* The buyer's account number with this supplier.
.....RefDate (optional).....*datetime* The date of the reference.
..... BuyerRefNum
.....Reference
.....RefNum.....*string* The buyer's purchase order number.
.....RefDate (optional).....*datetime* The date of the reference.
..... SupplierRefNum (optional)
.....Reference

.....RefNum.....*string* The supplier's order number.

.....RefDate (optional).....*datetime* The date of the reference.

..... ListOfReferenceCoded (optional)

Repeating element ReferenceCoded

.....ReferenceCoded

.....Reference

..... RefNum.....*string* Another reference number.

..... RefDate (optional).....*datetime* The date of the reference.

.....RefCode.....*ReferenceCode* The type of reference (CustRefNum, ContractNum, PrevProdCat, PriceListNum, ProdInqNum, or Other)

.....RefCodeOther (optional).....*string* The type of reference, specified if RefCode has a value of Other.

End of repeating element ReferenceCoded

..... OrderDate.....*datetime* The date of the order.

..... OrderStatusDate.....*datetime* The date of the status request.

..... Status

..... StatusNote.....*string* General information about the status of an order.

..... StatusEvent.....The status of the purchase order.

..... StatusEventCodeElement.....*StatusEventCode* The status of the order.

..... StausEventCodeOther (optional)*string* The status of the the order, specified if the value of StatusEventCodeElement is Other.

..... ListOfStatusReason (optional).....One or more reasons for the status.

Repeating element StatusReason

..... StatusReason

.....StatusReasonCodeElement.....*StatusReasonCode* The reason for the purchase order's status.

.....StatusReasonCodeother (optional).....*string* The reason for the purchase order's status, specified if StatusReasonCodeElement has a value of Other.

End of repeating element StatusReason

.....ErrorInfo (optional)

..... CompletionCode.....*string* The error code.

..... CompletionMsg

..... LangString.....*string* The error message.

.....@Lang.....*LangCode* The ISO code for the language in which the message is written.

..... Severity.....*SeverityCode* The severity of the error. one of the following values: Informational, Warning, Diagnostic, Transient, Error, Warning, or Other.

..... ListOfParameter (optional).....One or more parameters specifying additional information about the error.

..... MinRetrySecs (optional).....*int* The number of seconds a caller must wait before sending a retry request.

..... SwVendorErrorRef (optional).....*string* The location of the code that generated the error.

..... ListOfOrderStatusItemResult (optional)

Repeating element OrderStatusItemResult

..... OrderStatusItemResult
..... OrderStatusItem
..... BaseItemDetail
..... LineItemNum.....The line number on which the item appears in the order.
..... SubLineItemNum (optional).....
..... SupplierPartNum (optional).....The supplier's part number for this item.
..... PartNum
..... Agency.....The agency that assigned the supplier's part number.
..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... BuyerPartNum (optional).....The buyer's part number for this item.

..... PartNum
..... Agency.....The agency that assigned the buyer's part number.
..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... ManufacturerPartNum (optional)
..... PartNum
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part number.
..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... CommodityCode (optional).....*string* The item's commodity code.
..... ItemDescription (optional).....*string* A description of the item.
..... Quantity (optional)
..... Qty.....*Decimal15_3* The total quantity of the item that was ordered.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

.....MaxBackOrderQuantity (optional)
..... Quantity
..... Qty.....*Decimal15_3* The maximum acceptable backordered quantity for this item.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
.....FinalRecipient (optional)
..... Party
..... @PartyID
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... ListOfIdentifier (optional)
Repeating element Identifier
..... Identifier
.....Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
..... @AgencyOther...*string* The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."

.....Ident
End of repeating element Identifier
..... NameAddress (optional)
..... Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
..... @AgencyOther...*string* The standards agency, specified when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional)...*string* The second line of the street address.
..... Address3 (optional)...*string* The third line of the street address.
..... Address4 (optional)...*string* The fourth line of the street address.
..... Address5 (optional)...*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.

..... OrderContact (optional)
..... Contact
.....Identifier (optional)....The order contact's identification number.
.....Agency
..... @AgencyID.AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification number.
..... @AgencyOtherstring The agency that issued the identification number, used when AgencyID has a value of "Other."
.....Ident.....string The coded identifier.
.....ContactName.....string The employee or department name.
.....Telephone.....string The 1 to 80 character telephone number including country code and area code.
.....Email (optional)..string The 1 to 80 character email address.
.....Fax (optional)...string The FAX number.
..... ReceivingContact (optional)
..... Contact
.....Identifier (optional)....The receiving contact's identification number.
.....Agency
..... @AgencyID.AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOtherstring The agency that issued the identification number, used when AgencyID has a value of "Other."
.....Ident.....string The coded identifier.
.....ContactName.....string The employee or department name.
.....Telephone.....string The 1 to 80 character telephone number including country code and area code.
.....Email (optional)..string The 1 to 80 character email address.
.....Fax (optional)...string The FAX number.
..... ShippingContact (optional)
..... Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOtherstring The agency that issued the identification number, used when AgencyID has a value of "Other."
.....Ident.....string The coded identifier.
.....ContactName.....string The employee or department name.
.....Telephone.....string The 1 to 80 character telephone number including country code and area code.
.....Email (optional)..string The 1 to 80 character email address.

.....Fax (optional)...*string* The FAX number.

..... OtherContacts (optional)

..... ListOfContactCoded

Repeating element ContactCoded

.....ContactCoded

.....Contact

..... Identifier (optional)

..... Agency

..... @AgencyIDAgencyCode The agency responsible for issuing part numbers.

..... @AgencyOtherstring The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactNamestring The employee or department name.

..... Telephone*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)*string* The 1 to 80 character email address.

..... Fax (optional)*string* The FAX number.

.....ContactFunctionCodeContactFunctionCode The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

.....Transport (optional)

..... @Direction.....*TransitDirection* The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).

..... Mode (optional).....*TransportMode* The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.

..... TransportModeOther (optional)*string* A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.

..... Mean (optional).....*TransportMean* The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.

..... TransportMeanOther (optional).....*string* 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.

..... Carrier (optional).....*CarrierCode* The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other

..... CarrierOther (optional).....*string* The name of the carrier, specified if the value of Carrier is Other.

..... CustShippingContractNum (optional)*string* The 1 to 35 character shipping contract number.

..... ShippingInstruction (optional).*string* Brief (up to 256 characters) shipping instructions.

.....OffCatalogFlag.....*Boolean* True if the item appears in the product catalog; false if it does not.

.....VarianceQuantity

..... OrderedQtyDifference.....*Decimal15_3* The difference between the invoiced quantity and the quantity that was ordered.

..... Status
.....StatusNote.....*string* General information about the status of an order.
.....StatusEvent.....The status of the purchase order.
.....StatusEventCodeElement.....*StatusEventCode* The status of the order.
.....StausEventCodeOther (optional).... ..*string* The status of the the order, specified if the value of StatusEventCodeElement is Other.
.....ListOfStatusReason (optional).....One or more reasons for the status.
.....StatusReason
..... StatusReasonCodeElement..... ..*StatusReasonCode* The reason for the purchase order's status.
..... StatusReasonCodeother (optional)..*string* The reason for the purchase order's status, specified if StatusReasonCodeElement has a value of Other.
..... ErrorInfo (optional)
.....CompletionCode.....*string* The error code.
.....CompletionMsg
.....LangString.....*string* The error message.
..... @Lang.....*LangCode* The ISO code for the language in which the message is written.
.....Severity.....*SeverityCode* The severity of the error. one of the following values: Informational, Warning, Diagnostic, Transient, Error, Warning, or Other.
.....ListOfParameter (optional).....One or more parameters specifying additional information about the error.
.....MinRetrySecs (optional).....*int* The number of seconds a caller must wait before sending a retry request.
.....SwVendorErrorRef (optional).....*string* The location of the code that generated the error.

Examples

```
<?soxtype OrderStatusResult urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0?>
```

```
<!-- OrderStatusResult1.xml is an example of an order status request document -->
```

```
<OrderStatusResult>
  <OrderStatusHeader>
    <OrderStatusDate>19990809T01:01:01</OrderStatusDate>
    <OrderParty>
      <BuyerParty>
        <Party>
          <NameAddress>
            <Name1>Mr. John Doe</Name1>
            <Name2>Attention: Business Service Division</Name2>
            <Address1>1600 Riviera Ave</Address1>
            <Address2>Suite# 200</Address2>
```

<City>Walnut Creek</City>
<StateOrProvince>CA</StateOrProvince>
<PostalCode>94596</PostalCode>
<Country>US</Country>
</NameAddress>
<OrderContact>
 <Contact>
 <ContactName>Mr. Harry Michaels</ContactName>
 <Telephone>(925) 941-3333</Telephone>
 <Email>harry.michaels@commerceone.com</Email>
 <Fax>(925) 941-4555</Fax>
 </Contact>
</OrderContact>
<ReceivingContact>
 <Contact>
 <ContactName>Ms. Debbie Dub</ContactName>
 <Telephone>(925) 941-2222</Telephone>
 <Email>debbie.dub@commerceone.com</Email>
 <Fax>(925) 941-4555</Fax>
 </Contact>
</ReceivingContact>
<ShippingContact>
 <Contact>
 <ContactName>Ms. John Wayne</ContactName>
 <Telephone>(925) 941-1111</Telephone>
 <Email>john.wayne@commerceone.com</Email>
 <Fax>(925) 941-4555</Fax>
 </Contact>
</ShippingContact>
</Party>
</BuyerParty>
</SupplierParty>
<Party>
<NameAddress>
 <Name1>Millenium Supplier Corporation</Name1>
 <Name2>Attention: Office Supply Division</Name2>
 <Address1>355 Alameda Street</Address1>
 <Address2>Suite 100</Address2>
 <City>San Jose</City>

```

        <StateOrProvince>CA</StateOrProvince>
        <PostalCode>94588</PostalCode>
        <Country>US</Country>
    </NameAddress>
</Party>
</SupplierParty>
</OrderParty>
</OrderStatusHeader>

<ListOfOrderStatusDetailResult>
<OrderStatusDetailResult>
    <OrderReference>
        <AccountCode>
            <Reference>
                <RefNum>OD11222S</RefNum>
            </Reference>
        </AccountCode>
        <BuyerRefNum>
            <Reference>
                <RefNum>PO1221</RefNum>
            </Reference>
        </BuyerRefNum>
        <SupplierRefNum>
            <Reference>
                <RefNum>009199111</RefNum>
            </Reference>
        </SupplierRefNum>
    </OrderReference>

    <OrderDate>19990809T01:01:01</OrderDate>
    <OrderStatusDate>19991001T01:01:01</OrderStatusDate>

    <Status>
        <StatusNote> Hello </StatusNote>
        <StatusEvent>
            <StatusEventCodeElement>Processing</StatusEventCodeElement>
        </StatusEvent>
    </Status>

```

```
</OrderStatusDetailResult>  
</ListOfOrderStatusDetailResult>  
</OrderStatusResult>
```

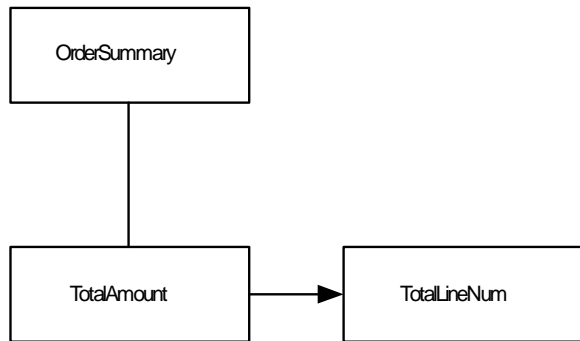

OrderSummary

The OrderSummary element contains the total cost and the number of items being ordered. It consists of:

- A TotalAmount element, which contains the total cost of the order.
- An optional TotalLineNum element, which contains the total number of items being ordered.

[Source Code](#) OrderSummary.mod on page 1108

Structure



Contents

OrderSummary

.....TotalAmount.....*Decimal18_3* The total amount of the order.
.....TotalLineNum (optional).....*int* The number of line items in the order.

Examples

```
<OrderSummary>  
  <TotalAmount>00000000001000.000</TotalAmount>  
  <TotalLineNum>1</TotalLineNum>  
</OrderSummary>
```

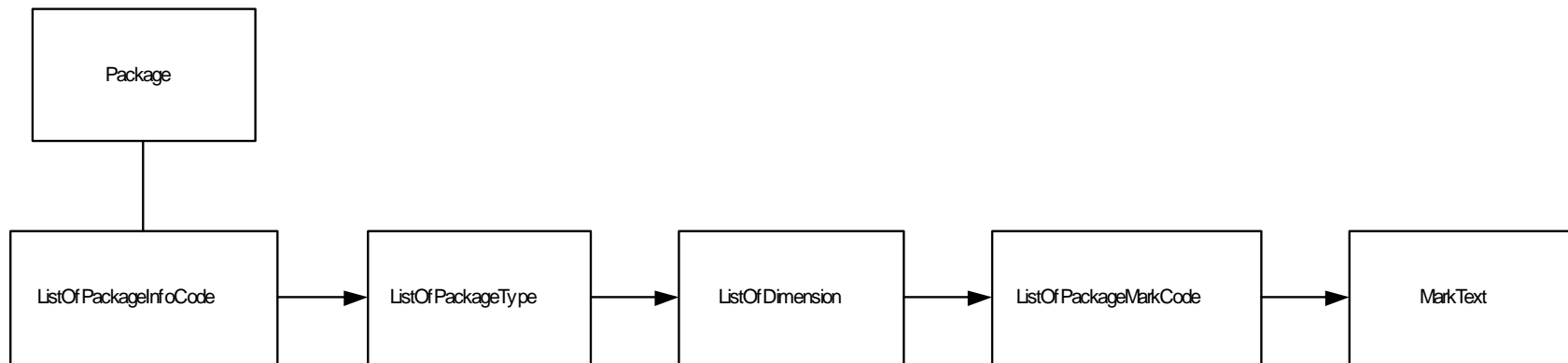
Package

The Package element contains package markings, package dimensions, and other packaging-related information. It consists of:

- An optional ListOfPackageInfo element, which indicates the type of coding that appears on the package. A list of one or more of the following values: EAN8OrEAN13Barcoded, ITF14OrITF6Barcoded, UCCOrEAN128Barcoded, ADR.
- An optional ListOfPackageType element, which contains one or more of the following package type codes: None, OnewayPallet, ReturnablePallet, Barrel, or Other.
- An optional ListOfDimension element, which contains one or more dimensions.
- An optional ListOfPackageMarkCode element, which contains one of the following codes indicating how the package should be marked: NoSupplierName, CustomerCoName, CustomerRefs, MinorDanger, Price.
- An optional MarkText element, which contains one or more text strings to appear on the package. There may be multiple strings per language.

[Source Code](#) Package.mod on page 1109

Structure



Contents

Package

.....ListOfPackageInfo (optional)

Repeating element PackageInfo

..... PackageInfo.....*PackageInfoCode* The type of coding that appears on the package.

End of repeating element PackageInfo

.....ListOfPackageType (optional)

Repeating element PackageType

..... PackageType

..... TypeCode..... *PackageTypeCode* The type of packaging. One of the following values: None, Other, OnewayPallet, ReturnablePallet, or barrel.

..... TypeCodeOther (optional)..... *string* The type of packaging, specified if the value of TypeCode is Other.

..... CodeList (optional)..... *string* The name of the code list.

..... Agency (optional)

..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other).

..... @AgencyOther..... *string* The agency, specified when AgencyID has a value of "Other."

..... ListOfDescription (optional)

Repeating element Description

..... Description

..... @Lang..... *LangCode* The ISO code for the language in which the description is written.

End of repeating element Description

End of repeating element PackageType

.....ListOfDimension (optional)

Repeating element Dimension

..... Dimension

..... @DimName..... *DimensionCode* The name of the dimension being measured.

..... @DimNameOther..... *string* The name of the dimension, specified if the value of DimName is other.

..... @UnitOfMeasure..... *UOMCode* The unit of measurement.

..... @Equality..... *EqualityCode* The relationship (greater than, less than, or equal to) of the measured value to the unit of measurement.

End of repeating element Dimension

.....ListOfPackageMark (optional)

Repeating element PackageMark

..... PackageMark.....

PackageMarkCode A code indicating how the package should be marked. One of the following values: NoSupplierName, CustomerCoName, CustomerRefs, MinorDanger, or Price.

End of repeating element PackageMark

.....MarkText (optional)

..... ListOfLangString

Repeating element LangString

..... LangString..... *string* Freeform text to appear on the package.

..... @Lang..... *LangCode* The ISO code for the language in which the text string is written.

End of repeating element LangString

Examples

```
<?xml version="1.0"?>
<Package>
  <ListOfPackageType>
    <PackageType>
      <TypeCode>ReturnablePallet</TypeCode>
      <CodeList>XML:00-99-0</CodeList>
    </PackageType>
  </ListOfPackageType>
  <ListOfDimension>
    <Dimension UnitOfMeasure="PG" DimName="ContainerMaxCapacity" Equality="EQ">Full Dimensions Needed
  </Dimension>
</ListOfDimension>
<MarkText>
  <ListOfLangString
    <LangString Lang="en">This End Up.</LangString>
  </ListOfLangString>
</MarkText>
</Package>
```

PackageCodeAgency

The PackageCodeAgency datatype enumerates the codes that may be used to represent package type. These codes are based on EANCOM code list 3055.

[Source Code](#) PackageType.mod on page 1113

Values

The following PackageCodeAgency values have been defined:

- CEC
- IATA
- ISO

PackageInfoCode

The PackageInfoCode datatype enumerates the values used to describe the bar coding types. These codes are based on EANCOM code set 7233.

[Source Code](#) Package.mod on page 1109

Values

The following PackageInfoCode values have been defined:

- EAN8OrEAN13Barcoded
- ITF14OrITF6Barcoded
- UCCOrEAN128Barcoded
- ADR

PackageMarkCode

The PackageMarkCode datatype enumerates the codes used to represent various types of package markings. The codes are based on EANCOM code list 4233.

[Source Code](#) Package.mod on page 1109

Values

The following PackageMarkCode values have been defined:

- NoSupplierName
- CustomerCoName
- CustomerRefs
- MinorDanger
- Price

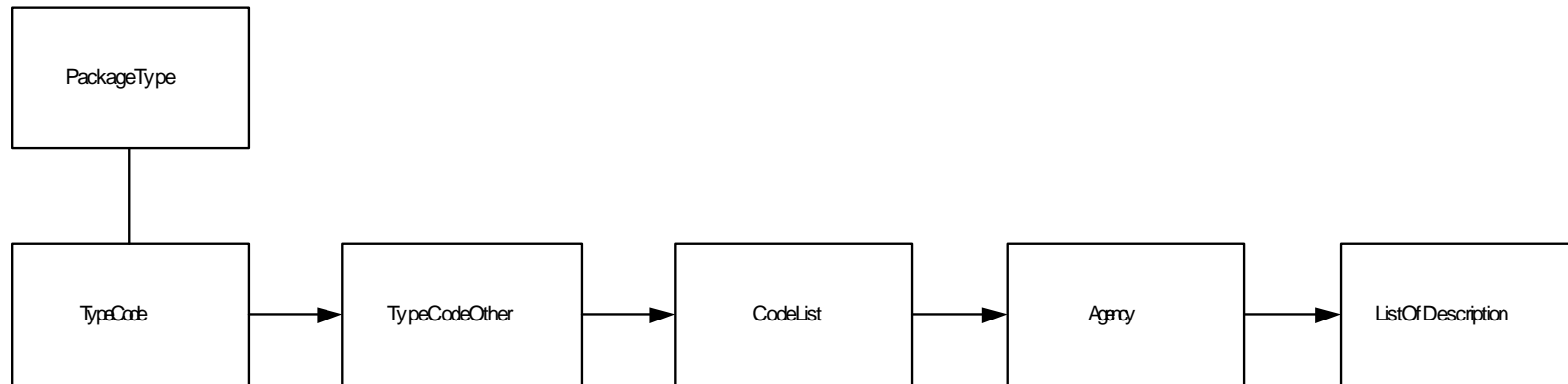
PackageType

The PackageType element contains the package code and descriptions of the package in one or more languages. It consists of:

- A TypeCode element, which specifies one of the following packaging type codes: None, Other, OnewayPallet, ReturnablePallet, or Barrel.
- An optional TypeCodeOther element, which specifies the packaging type if TypeCode has a value of "Other."
- An optional CodeList element, which specifies the name of the package type code list.
- An optional Agency element, which specifies the agency (CEC, ATA, or ISO) responsible for the package type code list.
- An optional ListOfDescription element, which contains descriptions of the packaging in one or more languages.

[Source Code](#) PackageType.mod on page 1113

Structure



Contents

PackageType

.....TypeCode.....	.....<i>PackageTypeCode</i> The type of packaging. One of the following values: None, Other, OnewayPallet, ReturnablePallet, or Barrel.
.....TypeCodeOther (optional).....	.....<i>string</i> The type of packaging, specified if the value of TypeCode is Other.
.....CodeList (optional).....	.....<i>string</i> The name of the code list.
.....Agency (optional)	

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other).

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

.....ListOfDescription (optional)

Repeating element Description

.....Description

..... @Lang.....*LangCode* The ISO code for the language in which the description is written.

End of repeating element Description

Examples

```
<PackageType>
  <TypeCode>ReturnablePallet</TypeCode>
  <CodeList>XML:00-99-0</CodeList>
</PackageType>
```

PackageTypeCode

The PackageTypeCode datatype enumerates the values that represent packing types. The codes are based on EANCOM code set 7065.

[Source Code](#) PackageType.mod on page 1113

Values

The following PackageTypeCode values have been defined:

- None
- Other
- OnewayPallet
- ReturnablePallet
- Barrel

ParentChild

The ParentChild datatype enumerates the values used to describe the relationship between two parts in a categorization tree.

[Source Code](#) PartTreeNode.mod on page 1118

Values

The following ParentChild values have been defined:

- ParentOf
- ChildOf

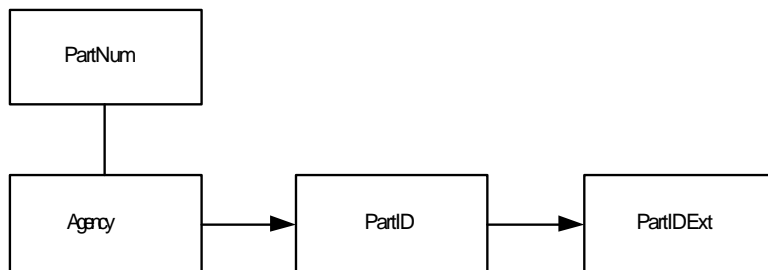
PartNum

The PartNum element contains a part number and, where appropriate, a part number extension. A given part can have multiple part numbers, each assigned by a different agency. The PartNum element specifies whether the number was assigned by Commerce One, ISO, EAN, the supplier, the buyer, ANSI, GBABA, or some Other agency. The PartNum element consists of:

- An Agency element, which identifies the agency responsible for assigning the part number.
- A PartID element, which contains the unique identifier for the part.
- An optional PartIDExt element, which contains the part number extension.

[Source Code](#) PartNum.mod on page 1116

Structure



Contents

PartNum

.....Agency

..... @AgencyID.....*AgencyCode* The agency that assigned the part number. Specify one of the following agencies: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA. If agency that assigned the part number is not included in this list, specify an AgencyID of Other and use the @AgencyOther attribute to specify the agency's actual name.

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of Other.

.....PartID.....*string* The unique identifier for the part.

.....PartIDExt (optional).....*string* The part number extension.

Examples

```
<PartNum>  
  <Agency AgencyID="AssignedBySupplier" />  
  <PartID>PK122122</PartID>  
</PartNum>
```

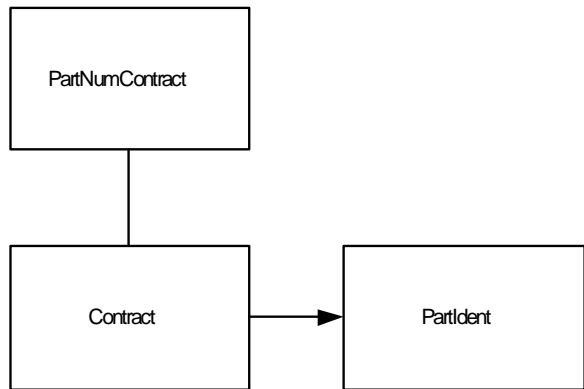
PartNumContract

The PartNumContract element contains information about a contract that applies only to a particular part number. It consists of:

- A Contract element, which identifies the contract.
- A PartIdent element, which identifies the part with which the contract is associated.

[Source Code](#) PartNum.mod on page 1116

Structure



Contents

PartNumContract

.....Contract

..... ContractID.....*string* The unique identifier for the contract.

..... StartDate.....*date* The date the contract begins.

..... EndDate.....*date* The date the contract ends.

.....PartIdent

..... PartNum

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.

Examples

```
<PartNumContract>  
  <ContractID>ABC-99-0012</ContractID>  
  <StartDate>19991204</StartDate>  
  <EndDate>20000325</EndDate>  
  <PartIdent>  
    <PartNum>  
      <Agency AgencyID="CommerceOne"/>  
      <PartID>TT-99-000-1</PartID>  
    </PartNum>  
  </PartIdent>  
</PartNumContract>
```

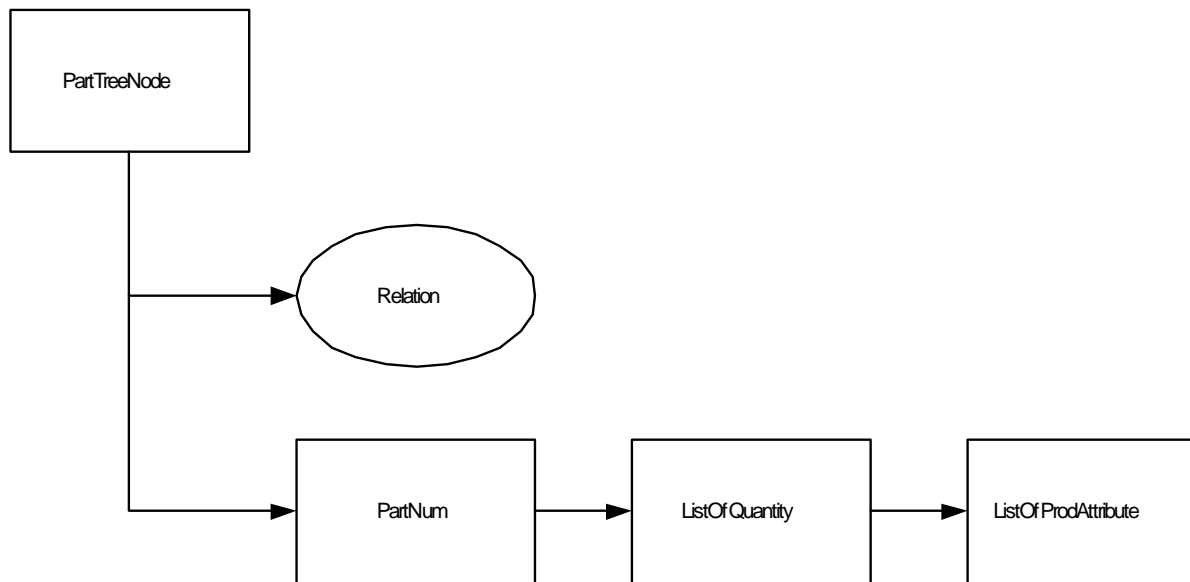
PartTreeNode

The PartTreeNode element contains information about a relationship between parts. It consists of:

- A Relation attribute, which specifies the nature of the relationship (ParentOf or ChildOf) between the parts
- A PartNum element
- An optional ListOfQuantity element
- An optional ListOfProdAttribute element, which specifies one or more

[Source Code](#) PartTreeNode.mod on page 1118

Structure



Contents

PartTreeNode

.....@Relation.....*ParentChild* Indicates whether this node is a Parent or a Child of the related part.

.....PartNum
 Agency
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
 @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
 PartID.....*string* The unique identifier for the part.
 PartIDExt (optional).....*string* The part number extension.
ListOfQuantity (optional)

Repeating element Quantity

..... Quantity
 Qty.....*Decimal15_3* The quantity of the item.
 UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
 UOMCode.....*UOMCode* The unit of measurement.
 UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

End of repeating element Quantity

.....ListOfProdAttribute (optional)

Repeating element ProdAttribute

.....ProdAttribute

You MUST choose one of the following: CodedAttribName or AttribName

..... CodedAttribName (optional).....*CodedValue* The code that represents the attribute.
 CodedValue
 Agency
 @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.
 @AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.
 CodeList (optional).....*string* The name or description of the code list.
 Value.....*string* The coded value.

Or

..... AttribName (optional).....The name of the attribute.
 LangString.....*string* A text string.
 @Lang.....*LangCode* The ISO code for the language in which the text string is written.

End of choice between CodedAttribName and AttribName

You MUST choose one of the following: CodedAttribValue, AttribValue, or Measurement

..... CodedAttribValue (optional)..... The code that represents the attribute's value.
 CodedValue
 Agency

.....@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.

.....@AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.

..... CodeList (optional).....*string* The name or description of the code list.

..... Value.....*string* The coded value.

Or

..... AttribValue (optional).....The attribute value in text.

..... LangString.....*string* A text string.

..... @Lang.....*LangCode* The ISO code for the language in which the text string is written.

Or

..... Measurement (optional).....*Decimal18_3* The measured value of the attribute.

..... @UnitOfMeasurement.....*UOMCode* The unit of measurement (for exmples, feet).

..... @Equality.....*qualityCode* The relationship of the measured property to the unit of measurement

End of choice among CodedAttribValue, AttribValue, and Measurement

End of repeating element ProdAttribute

Examples

```
<?soxtype urn:x-commercenceone:document:com:commercenceone:CBL:CBL.sox$1.0?>
```

```
<!--
```

```
* Copyright (c) 1999 Commerce One. All rights reserved. Redistribution and
* use in source and binary forms, with or without modification, is strictly
* prohibited without written permission from Commerce One.
```

```
-->
```

```
<PartTreeNode Relation="ParentOf">
  <PartNum>
    <Agency AgencyID="CommerceOne"/>
    <PartID>TD:99-0-345a</PartID>
  </PartNum>
  <ListOfQuantity>
    <Quantity>
      <Qty>000000000025.005</Qty>
      <UnitOfMeasure>
        <UOMCode>ASM</UOMCode>
      </UnitOfMeasure>
    </Quantity>
  </ListOfQuantity>
</PartTreeNode>
```

```
</Quantity>
</ListOfQuantity>
</ListOfProdAttribute>
  <ProdAttribute>
    <AttribName>
      <LangString Lang="en">English</LangString>
    </AttribName>
  </ProdAttribute>
</ListOfProdAttribute>
</PartTreeNode>
```

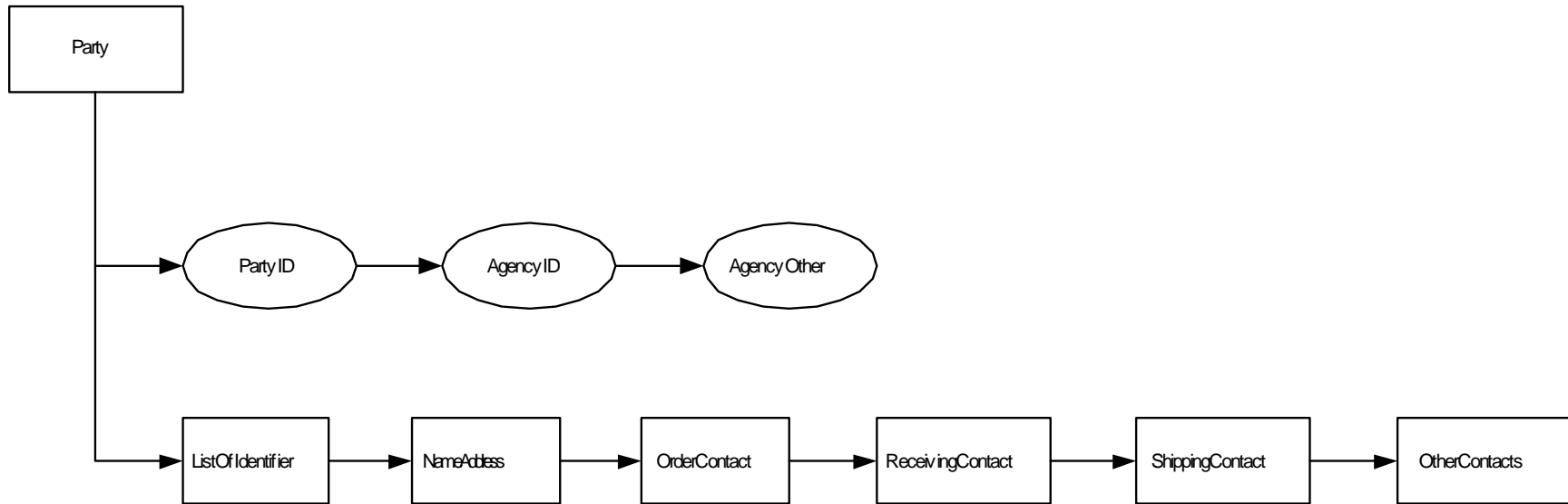
Party

The Party element specifies name, address, telephone and FAX numbers, and email address for a party to a business transaction. It consists of:

- A PartyID attribute, which identifies the party.
- An AgencyID attribute, which specifies the agency that issued the PartyID.
- An AgencyOther attribute, which specifies the agency that issued the PartyID in the event that AgencyID has a value of Other.
- An optional ListOfIdentifier element, which contains a list of identification numbers and the agencies that issued them.
- An optional NameAddress element, which provides the name and address of the party.
- An optional OrderContact element, which contains the name, phone numbers, and email address of the party to contact about the order.
- An optional ReceivingContact element, which contains the name, phone numbers, and email address of the party to contact about receipt of the order.
- An optional Shipping Contact element, which contains the name, phone numbers, and email address of the party to contact about shipment of the order.
- An optional OtherContacts element, which contains the names, phone numbers, and email addresses of other related parties.

[Source Code](#) Party.mod on page 1120

Structure



Contents

Party

.....@PartyID.....	.....string	The identification number for the party.
.....@AgencyID.....	.....AgencyCode	The agency that issued the party's identification number.
.....@AgencyOther.....	.....string	The agency that issued the identification number, specified if the value of AgencyID is Other.
.....ListOfIdentifier (optional)		
Repeating element Identifier		
..... Identifier		
..... Agency		
..... @AgencyID.....	.....AgencyCode	The standards agency.
..... @AgencyOther.....	.....string	The standards agency, used when AgencyID has a value of "Other."
..... Ident.....	.....string	The coded identifier.
.....NameAddress (optional).....	.....Name and address information	for the party.
End of repeating element Identifier		
..... Identifier (optional)		

..... Agency

..... @AgencyID.....*AgencyCode* The standards agency.

..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... Name1.....*string* The first line of the name.

..... Name2 (optional).....*string* The second line of the name.

..... Name3 (optional).....*string* The third line of the name.

..... Address1.....*string* The first line of the street address.

..... Address2 (optional).....*string* The second line of the street address.

..... Address3 (optional).....*string* The third line of the street address.

..... Address4 (optional).....*string* The fourth line of the street address.

..... Address5 (optional).....*string* The fifth line of the street address.

..... City.....*string* The city.

..... StateOrProvince.....*string* The state or province.

..... PostalCode.....*string* The zip or postal code.

..... Country.....*CountryCode* The two-character country code.

.....OrderContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

.....ReceivingContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
 Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
ShippingContact (optional)
 Contact
 Identifier (optional)
 Agency
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
 @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.
 ContactName.....*string* The employee or department name.
 Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
 Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
OtherContacts (optional)
ListOfContactCoded

Repeating element ContactCoded

..... ContactCoded
 Contact
 Identifier (optional)
Agency
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
 @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
Ident.....*string* The coded identifier.
 ContactName.....*string* The employee or department name.
 Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
 Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
 ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

Examples

<Party>
 <NameAddress>

<Name1>Mr. John Doe</Name1>
<Name2>Attention: Business Service Division</Name2>
<Address1>1600 Riviera Ave</Address1>
<Address2>Suite# 200</Address2>
<City>Walnut Creek</City>
<StateOrProvince>CA</StateOrProvince>
<PostalCode>94596</PostalCode>
<Country>US</Country>
</NameAddress>
<OrderContact>
 <Contact>
 <ContactName>Mr. Mark Smith</ContactName>
 <Telephone>(925) 941-3333</Telephone>
 <Email>mark.smith@commerceone.com</Email>
 <Fax>(925) 941-4555</Fax>
 </Contact>
</OrderContact>
<ReceivingContact>
 <Contact>
 <ContactName>Ms. Jane Jones</ContactName>
 <Telephone>(925) 941-2222</Telephone>
 <Email>jane.jones@commerceone.com</Email>
 <Fax>(925) 941-4555</Fax>
 </Contact>
</ReceivingContact>
<ShippingContact>
 <Contact>
 <ContactName>Ms. Bridget Robins</ContactName>
 <Telephone>(925) 941-1111</Telephone>
 <Email>bridget.robins@commerceone.com</Email>
 <Fax>(925) 941-4555</Fax>
 </Contact>
</ShippingContact>
</Party>

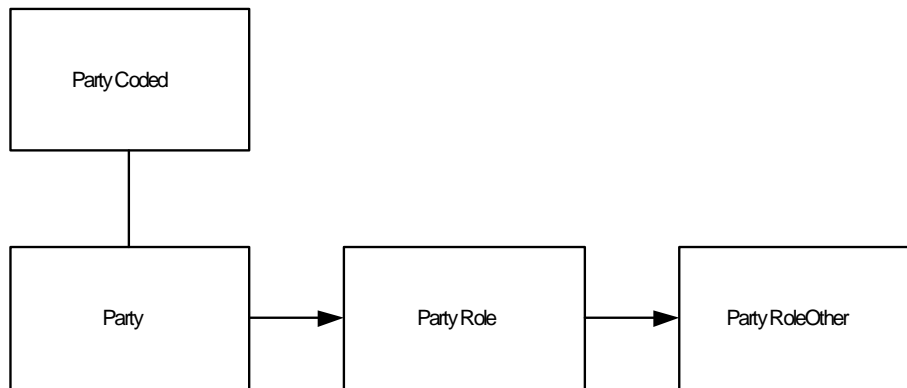
PartyCoded

The PartyCoded element contains names, address, and roles for parties to a transaction. It consists of:

- A party element, which identifies the party and specifies name and address information.
- A PartyRole element, which specifies the party's role (Buyer, Supplier, CentralCatParty, StoreNumber, SuppAgent, ProdInqNum, or Other).
- An optional PartyRoleOther element, which describes the party's role if PartyRole has a value of Other.

[Source Code](#) PartyCoded.mod on page 1123

Structure



Contents

PartyCoded

.....Party

..... @PartyID.....*string* The identification number for the party.

..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier

..... Agency

..... @AgencyID.....*AgencyCode* The standards agency.
 @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.

End of repeating element Identifier

.....NameAddress (optional).....Name and address information for the party.
 Identifier (optional)
 Agency

..... @AgencyID.....*AgencyCode* The standards agency.
 @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.

..... Name1.....*string* The first line of the name.
 Name2 (optional).....*string* The second line of the name.
 Name3 (optional).....*string* The third line of the name.
 Address1.....*string* The first line of the street address.
 Address2 (optional).....*string* The second line of the street address.
 Address3 (optional).....*string* The third line of the street address.
 Address4 (optional).....*string* The fourth line of the street address.
 Address5 (optional).....*string* The fifth line of the street address.
 City.....*string* The city.
 StateOrProvince.....*string* The state or province.
 PostalCode.....*string* The zip or postal code.
 Country.....*CountryCode* The two-character country code.

.....OrderContact (optional)
 Contact

..... Identifier (optional)
 Agency
@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The order contact's coded identifier.
 ContactName.....*string* The order contact's employee or department name.
 Telephone.....*string* The order contact's 1 to 80 character telephone number including country code and area code.
 Email (optional).....*string* The order contact's 1 to 80 character email address.
 Fax (optional).....*string* The order contact's FAX number.

.....ReceivingContact (optional)
 Contact
 Identifier (optional)

..... Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The receiving contact's coded identifier.
..... ContactName.....*string* The receiving contact's employee or department name.
..... Telephone.....*string* The receiving contact's 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The receiving contact's 1 to 80 character email address.
..... Fax (optional).....*string* The receiving contact's FAX number.
.....ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The shipping contact's employee or department name.
..... Telephone.....*string* The shipping contact's 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The shipping contact's 1 to 80 character email address.
..... Fax (optional).....*string* The shipping contact's FAX number.
.....OtherContacts (optional)
.....ListOfContactCoded
Repeating element ContactCoded
..... ContactCoded
..... Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The contact's employee or department name.

.....Telephone.....*string* The contact's 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The contact's 1 to 80 character email address.

.....Fax (optional).....*string* The contact's FAX number.

.....ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

.....PartyRole.....*PartyRoleCode* The role of the party. One of the following values: Buyer, Supplier, CentralCatParty, StoreNumber, SuppAgent, ProdInqNum, or Other.

.....PartyRoleOther (optional).....*string* The role of the party, specified if the value of PartyRole is Other.

Examples

```
<?xml version="1.0"?>
<?soxtype urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0?>
<PartyCoded>
  <ListOfIdentifier>
    <Identifier>
      <Agency AgencyID="ANSI"/>
      <Ident>Identifier Information</Ident>
    </Identifier>
  </ListOfIdentifier>
  <PartyRole>CentralCatParty</PartyRole>
</PartyCoded>
```

PartyRoleCode

The PartyRoleCode datatype enumerates the values used to describe the roles played by various parties to a transaction.

[Source Code](#) PartyCoded.mod on page 1123

Values

The following PartyRoleCode values have been defined:

- Other
- Buyer
- Supplier
- CentralCatParty
- StoreNumber
- SuppAgent
- ProdInqNum

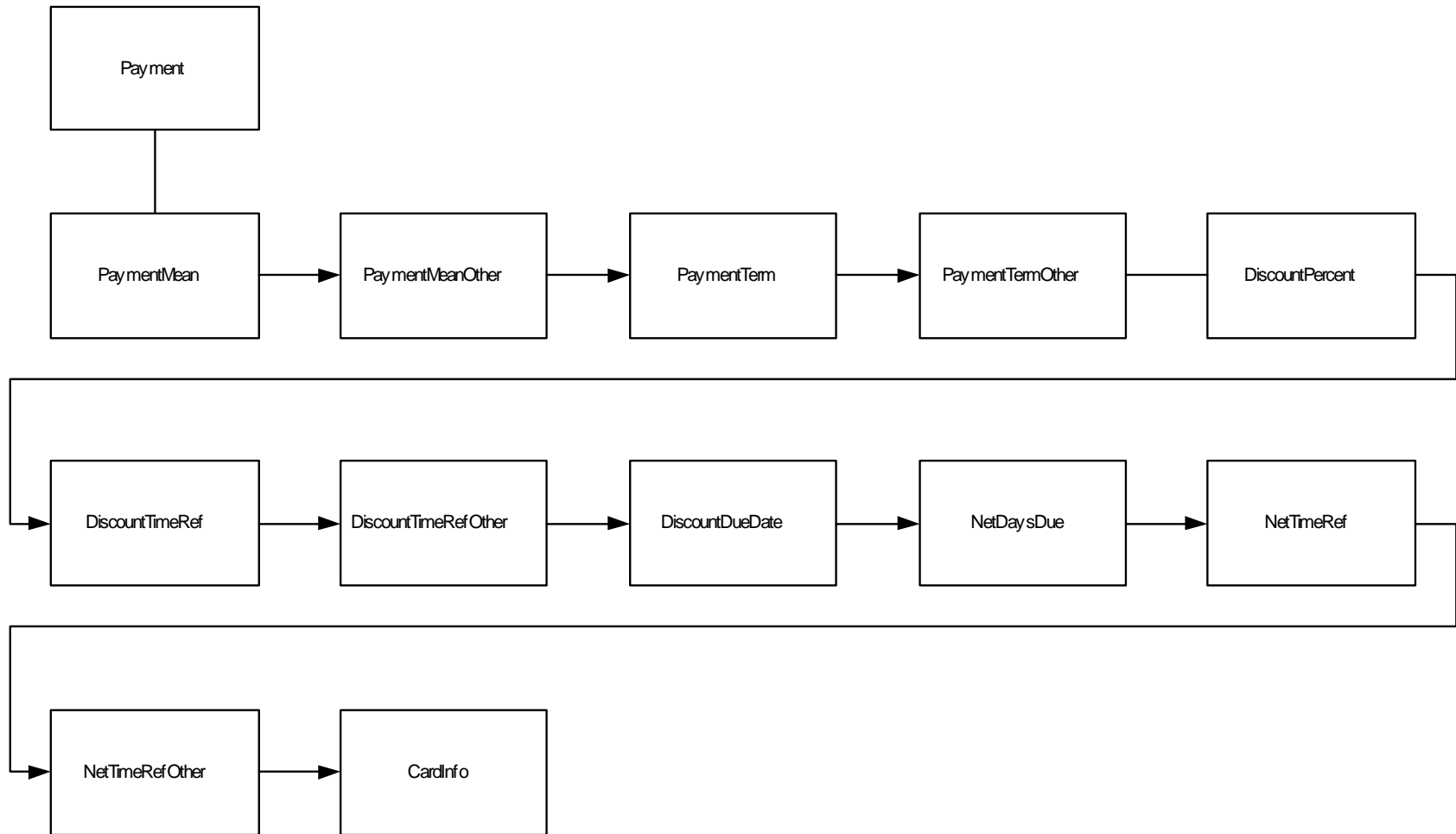
Payment

The Payment element is based on the EANCOM PAI and PAT documents. It contains information about payment instructions and payment terms. It consists of:

- A PaymentMean element, which specifies the means of payment (COD, Check, CreditCard, DebitCard, Invoice, or Other).
- An optional PaymentMeanOther element, which specifies the means of payment when the value of PaymentMean is Other.
- A PaymentTerm element, which specifies the payment terms (Basic, FixedDate, BasicDiscount, Instant, Discount, or other).
- An optional PaymentTermOther element, which specifies the payment terms when the value of PaymentTerm is Other.
- An optional DiscountPercent element, which specifies the percentage discount offered when payment is received by a designated date. This date may be expressed in absolute terms, as DiscountDueDate. More commonly, it is expressed by adding an interval, specified by the DiscountDaysDue element, to an event, specified by DiscountTimeRef.
- An optional DiscountTimeRef element, which specifies the event (InvoiceDate, SpecifiedDate, ShipmentDate, GoodsReceivedByBuyerDate, TransportArrivalDate, or Other) relative to which the payment date is calculated.
- An optional DiscountTimeRefOther element, which specifies the even relative to which the payment date is calculated when the DiscountTimeRef element has a vlue of Other.
- An optional DiscountDueDate element, which specifies the date by which payment must be received for the discount to be available.
- An optional NetDaysDue element, which specifies the number of days after NetTimeRef that payment is due.
- An optional NetTimeRef element, which specifies the event (InvoiceDate, SpecifiedDate, ShipmentDate, GoodsReceivedByBuyerDate, TransportArrivalDate, or other) relative to which the payment due date is calculated.
- An optional NetTimeRefOther element, which specifies the event relative to which the payment due date is calculated when the value of NetTimeRef is Other.
- An optional CardInfo element, which specifies information about the credit card used for payment.

[Source Code](#) Payment.mod on page 1125

Structure



Contents

Payment

.....PaymentMean.....	.....<i>PaymentMeanCode</i> The means of payment. One of the following values: COD, Check, CreditCard, DebitCard, Invoice, or Other.
.....PaymentMeanOther (optional).....	.....<i>string</i> The 1- to 70-character means of payment, specified when PaymentMean has a value of Other.
.....PaymentTerm.....	.....<i>PaymentTermCode</i> The payment terms. One of the following values: Basic, Fixeddate, BasicDiscount, Instant, Discount, or Other.
.....PaymentTermOther (optional).....	.....<i>string</i> A 1- to 70-character description of the payment terms, specified when the value of PaymentTerm is Other.
.....DiscountPercent (optional).....	.....<i>Decimal10_4</i> The percentage discount offered for timely payment.
.....DiscountDaysDue (optional).....	.....<i>int</i> The number of days after DiscountTimeRef for which DiscountTimeRef is available.
.....DiscountTimeRef (optional).....	.....<i>PaymentTimeRef</i> The event relative to which the payment due date is calculated. One of the following values: InvoiceDate, SpecifiedDate, ShipmentDate, GoodsReceivedByBuyerDate, TransportArrivalDate, or Other.
.....DiscountTimeRefOther (optional).....	.....<i>string</i> The event relative to which the payment due date is calculated if the value of DiscountTimeRef is Other.
.....NetDaysDue (optional).....	.....<i>int</i> The number of days after NetTimeRef before payment is due.
.....NetTimeRef (optional).....	.....<i>PaymentTimeRef</i> The event relative to which the payment due date is calculated. One of the following values: InvoiceDate, SpecifiedDate, ShipmentDate, GoodsReceivedByBuyerDate, TransportArrivalDate, or Other.
.....NetTimeRefOther (optional).....	.....<i>string</i> The event relative to which the payment due date is calculated if NetTimeRef has a value of Other.
.....CardInfo (optional).....	.....Credit card information.
..... ..CardNum.....	.....<i>string</i> The 1- to 17-character charge card number.
..... ..CardAuthCode (optional).....	.....<i>string</i> The 1- to 35-character charge card authorization code.
..... ..CardRefNum (optional).....	.....<i>string</i> The 1- to 35-character customer reference number.
..... ..CardExpirationDate.....	.....<i>datetime</i> The charge card expiration date in YYYYMMDD format.
..... ..CardType (optional).....	.....<i>CardTypeCode</i> The type (AMEX, VISA, MC, Discover, JCB, Diners, or Other) of credit card being used.
..... ..CardTypeOther (optional).....	.....<i>string</i> The 1- to 70-character credit card type, specified if CardType has a value of Other.
..... ..CardHolderName (optional).....	.....<i>string</i> The 1- to 30-character name imprinted on the credit card.

Examples

```

<Payment>
  <PaymentMean>CreditCard</PaymentMean>
  <PaymentTerm>Discount</PaymentTerm>
  <DiscountPercent>000005.0000</DiscountPercent>
  <DiscountDaysDue>10</DiscountDaysDue>
  <DiscountTimeRef>InvoiceDate</DiscountTimeRef>

```


<NetDaysDue>30</NetDaysDue>
<NetTimeRef>InvoiceDate</NetTimeRef>
<CardInfo>
 <CardNum>1234432112344321</CardNum>
 <CardAuthCode>JUBF123</CardAuthCode>
 <CardRefNum>123</CardRefNum>
 <CardExpirationDate>20000805T01:01:01</CardExpirationDate>
 <CardType>AMEX</CardType>
 <CardHolderName>Mr. Joe Smith</CardHolderName>
</CardInfo>
</Payment>

PaymentMeanCode

The PaymentMeanCode (payment mean code) is the coded representation of names of payment means. Payment mean, in conjunction with the other Payment elements such as PaymentTermCode, define the requirements which must be fulfilled in order that a payment may be considered a valid means of extinguishing the debt to which it relates. This code set is based on UN/EDIFACT (D.99B) element 4461, payment means coded. For more information, visit the UN/EDIFACT website at <http://www.unece.org/trade/untdd/welcome.htm>

Values

The following PaymentMeanCode values have been defined:

Description	Value
The payment mean is not defined in the code set and should be processed using additional information supplied in the referencing data structure.	Other
Payment using cash.	Cash
A credit transaction, initiated from the buyer's account to the seller's account at the same financial institution.	BookentryCredit
Issue of a banker's draft in payment of the funds.	BankersDraft
A certified banker's draft.	CertifiedBankersDraft
A bank cheque (issued by a banking or similar establishment).	Check
A certified bank cheque.	CertifiedCheck
Payment to a bank account or account at similar establishment.	ToAccount
Bill drawn by the creditor on the debtor and accepted by the debtor.	BillOfExchange
Payment by postgrio.	Postgrio
Payment mean defined in the invoice.	InvoiceDefined
Payment using credit card.	CreditCard
Payment using debit card.	DebitCard
Mutually defined payment means.	MutuallyDefined

PaymentTermCode

The PaymentTermCode (payment term code) is the coded representation of names of payment term types. Payment term types, in conjunction with the other Payment elements such as PaymentMeanCode, define the requirements which must be fulfilled in order that a payment may be considered a valid means of extinguishing the debt to which it relates.

This code set is based on UN/EDIFACT (D.99B) element 4279, payment terms type code qualifier.

The UN/EDIFACT website can be found at <http://www.unece.org/trade/untdid/welcome.htm>.

[Source Code](#) PaymentTermCode.mod on page 1133

Values

The following PaymentTermCode values have been defined:

Value	Description
Other	The UOMCode is not defined in the code set and should be processed using additional information supplied in the referencing data structure.
Basic	Payment conditions normally applied.
EndOfMonth	End of month.
FixedDate	Fixed date.
Deferred	Deferred.
BasicDiscount	Basic discount offered.
Instant	Payment is due on receipt of invoice.
Elective	Payment terms to be chosen by buyer (from options separately advised).
SellerToAdvise	Seller will advise buyer of payment terms by separate transaction.
Ultimo	Payment is due the end of the current or specified month.
AsAgreed	Previously agreed upon.
ByInstallment	Payment by installment.

Value	Description
Discount	Discount
OnAcceptance	Payment on acceptance of goods or services.
ByInvoice	Payment terms are specified in a consolidated invoice.
UponCompletion	The payment terms require payment upon completion.
InterCompanyAccount	The payment terms involve the use of an inter-company account.
CostPlus	The payment terms permit reimbursement of costs plus other authorized changes.
LetterOfCredit	The payment terms require the use of a letter of credit.
OnDelivery	Payment on delivery of goods or services.
OnArrival	Payment on arrival of the goods or services.
CreditCard	The payment terms permit the use of a charge card to effect payment.
MutuallyDefined	Mutually defined payment terms.

PaymentTimeReference

The PaymentTimeReference datatype enumerates the dates relative to which payment due date is calculated.

[Source Code](#) Payment.mod on page 1125

Values

The following PaymentTimeReference values have been defined:

Value	Description
Other	The date is not included in this list, but defined by the parties to the agreement.
InvoiceDate	The date of the invoice
SpecifiedDate	The date specified by
ShipmentDate	The date of shipment as evidenced by the transport documents
GoodsReceivedByBuyerDate	The date the goods were received by the buyer
TransportArrivalDate	The arrival date of the transport

PosInt_6

The PosInt_6 datatype is designed to hold a positive integer with 6 to 10 digits.

[Source Code](#) BasicTypes.mod on page 995

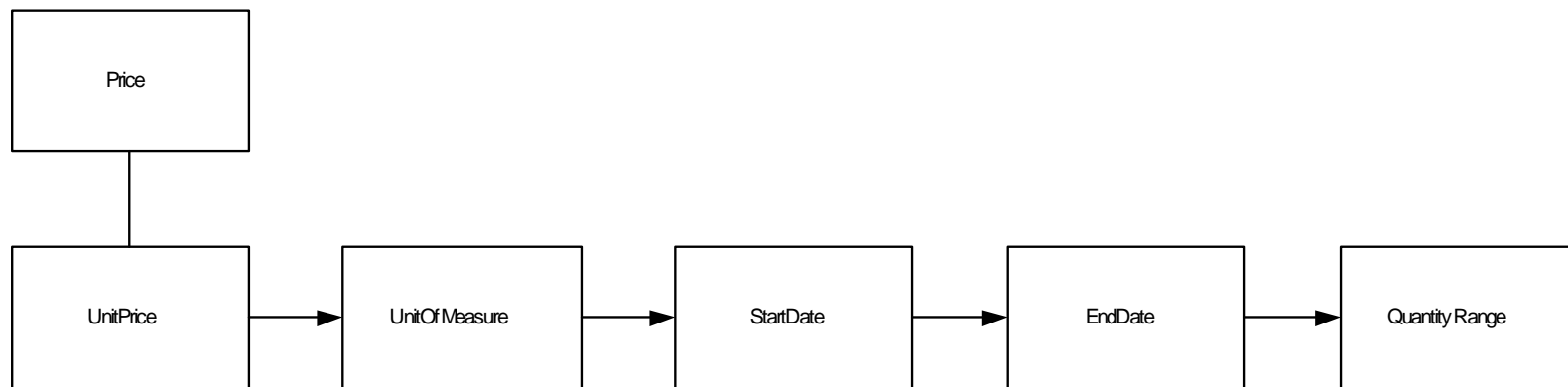
Price

The Price element contains information about a product's price. It consists of:

- A UnitPrice element, which specifies the price for one unit of the product.
- An optional UnitOfMeasure element, which specifies the unit in which the product is being measured.
- An optional StartDate element and an optional EndDate element, which specify the period of time during which the price is effective.
- An optional QuantityRange element, which specifies the quantity range to which the price applies.

[Source Code](#) Price.mod on page 1135

Structure



Contents

Price

.....UnitPrice.....	.....The product's unit price expressed in a specified currency.
..... @Currency.....	..... <i>CurrencyCode</i> The ISO code for the currency in which the unit price is expressed.
..... UnitPrice.....	..... <i>Decimal15_4</i> The price for one unit of the product.
.....UnitOfMeasure (optional).....	.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....	..... <i>UOMCode</i> The unit of measurement.
..... UOMCodeOther.....	.....<i>string</i> The unit of measurement, specified if UOMCode has a value of "Other."

.....StartDate (optional).....*date* The first date that the price applies.
EndDate (optional).....*date* The last date that the price applies.
QuantityRange (optional).....The quantity range to which the unit price applies. If not specified, the price applies to all quantities.
 @UnitOfMeasure.....*UOMCode* The unit of measurement in which the quantities are expressed.
 Range.....The minimum and maximum quantities included in the range.
 @Min (optional).....*Decimal18_3* The minimum value included in the range. If not specified, there is no minimum value.
 @Max (optional).....*Decimal18_3* The maximum value included *in the range*. If not specified, there is no maximum.

Examples

<Price>

```

  <UnitPrice Currency="USD">1.025</UnitPrice>
  <UnitOfMeasure>EA</UnitOfMeasure>
  <QuantityRange Min="1" Max="10" />
</Price>

```

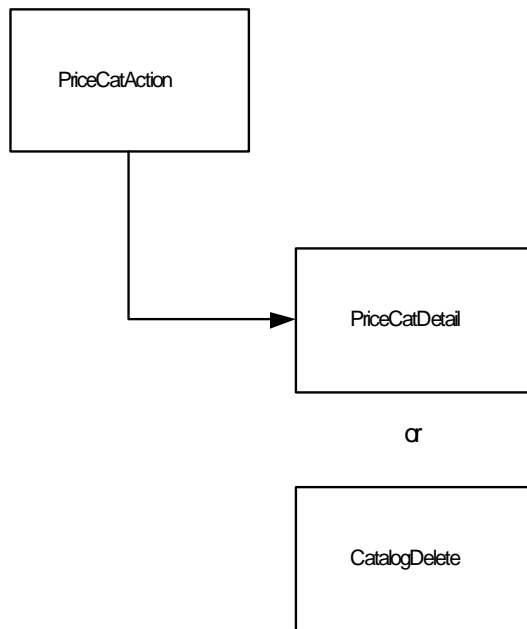

PriceCatAction

The PriceCatAction element describes an addition, modification, or deletion to a price catalog. It consists of:

- A PriceCatDetail element, which provides details about an addition or modification to the price catalog.
- or
- A CatalogDelete element, which provides details about a deletion from the price catalog.

[Source Code](#) PriceCatAction.mod on page 1137

Structure



Contents

PriceCatAction

You MUST choose one of the following: PriceCatDetail or CatalogDelete

.....PriceCatDetail
 PriceAction.....*PriceCatDetailActionCode* The action (Add, Change, or NoAction) to take on the part.
 PartNum.....The part number.
 Agency.....The agency that assigned the part number.
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
 @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
 PartID.....*string* The unique identifier for the part.
 PartIDExt (optional).....*string* The part number extension.
 ListOfDescription (optional).....Descriptions of the part in one or more languages.

Repeating element Description

..... Description.....*string* A description of the part.
 @Lang.....*LangCode* The ISO code for the language in which the description is written.

End of repeating element Description

.....RelatedParts (optional)
 AdditionalIDs (optional).....Other part numbers by which th is part is known.
 ListOfPartNum.....One or more additional part numbers for this part.

Repeating element PartNum

..... PartNum.....An additional part number that has been assigned to this part.
 Agency.....The agency that assigned the part number.
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
 @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
 PartID.....*string* The unique identifier for the part.
 PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

..... CanSubstituteBy (optional).....Parts that may be substituted when this part is not available.
 ListOfPartNum.....One or more part numbers that may be substituted when this part is not available.

Repeating element PartNum

..... PartNum.....The part number that may be substituted when this part is not available.
 Agency.....The agency that assigned the part number.
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).that assigned the part number.
 @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of "Other."
 PartID.....*string* The unique identifier for the part.
 PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

..... SubstituteBy (optional).....Parts that are substitutes for this part.

..... ListOfPartNum.....One or more part numbers that are substitutes for this part.

Repeating element PartNum

..... PartNum.....The part number that is substituted for this part.

..... Agency.....The agency that assigned the part number.

..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.

..... @AgencyOther.....string The agency that assigned the part number, specified when AgencyID has a value of "Other."

..... PartID.....string The unique identifier for the part.

..... PartIDExt (optional).....string The part number extension.

End of repeating element PartNum

..... SubstituteFor (optional).....Parts for which this part is a substitute.

..... ListOfPartNum.....One or more parts for which this part is a substitute.

Repeating element PartNum

..... PartNum.....The part number for which this part is substituted.

..... Agency.....The agency that assigned the part number.

..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.

..... @AgencyOther.....string The agency that assigned the part number, specified when AgencyID has a value of "Other."

..... PartID.....string The unique identifier for the part.

..... PartIDExt (optional).....string The part number extension.

End of repeating element PartNum

..... CrossRef (optional).....Other parts that are referenced by this part.

..... ListOfPartNum.....One or more parts that are referenced by this part.

Repeating element PartNum

..... PartNum.....The part number of the referenced part.

..... Agency.....The agency that assigned the part number.

..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.

..... @AgencyOther.....string The agency that assigned the part number, specified when AgencyID has a value of "Other."

..... PartID.....string The unique identifier for the part.

..... PartIDExt (optional).....string The part number extension.

End of repeating element PartNum

..... OtherPartNum (optional).....Other related parts.

..... ListOfRelatedPartNum.....One or more parts that are related to this part.

Repeating element RelatedPartNum

..... RelatedPartNum.....The part number of the related part.

.....@RelatedPartType
.....PartNum.....The part number.
.....Agency.....The agency that assigned the part number.
.....@AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.
.....@AgencyOther.....string The agency that assigned the part number, specified when AgencyID has a value of "Other."
.....PartID.....string The unique identifier for the part.
.....PartIDExt (optional).....string The part number extension.

End of repeating element RelatedPartNum

.....ValidStartDate (optional).....date The first date on which this catalog entry is valid.
.....ValidEndDate (optional).....date The last date on which this catalog entry is valid.
.....AvailStartDate (optional).....date The first date on which the product is available.
.....AvailEndDate (optional).....date The last date on which the product is available.
.....LeadTimeDays (optional).....date The number of days before anticipated delivery that the product must be ordered.
.....LongDesc (optional).....One or more long descriptions (up to 2,000 characters) of the product.
.....ListOfLangString.....Long descriptions of the product in one or more languages.

Repeating element LangString

.....LangString.....string A text string.
.....@Lang.....LangCode The ISO code for the language in which the text string is written.

End of repeating element LangString

.....ListOfDescInfo (optional).....Descriptive information for the product.

Repeating element DescInfo

.....DescInfo
.....AttribCode.....DescInfoAttribCode The attribute that is being described. one of the following values: Finish, Quality, Color, Grade, Keyword, or Other.
.....AttribCodeOther (optional).....The name of the attribute, specified if AttribCode has a value of Other.
.....LangString.....string The name of the attribute.
.....@Lang.....LangCode The ISO code for the language in which the attribute is described.
.....ValueCode (optional).....DescInfoValueCode The value (Red, Orange, Yellow, green, Blue, Violet, A, or Other) with respect to the attribute.
.....ValueOther (optional)
.....LangString.....string The name of the attribute.
.....@Lang.....LangCode The ISO code for the language in which the value is described.
.....Agency.....The name of the agency responsible for the codes.
.....@AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other) responsible for the codes.
.....@AgencyOther.....string The agency, specified when AgencyID has a value of "Other."

End of repeating element DescInfo

.....MinOrder (optional).....*Decimal15_3* The minimum number of units that may be ordered.
MaxOrder (optional).....*Decimal15_3* The maximum number of units that may be ordered.
LotSize (optional).....*Decimal 15_3* The lot size of the product.
ListOfProdAttribute (optional)

Repeating element ProdAttribute

.....ProdAttribute

You MUST choose one of the following: CodedAttribName or AttribName

.....CodedAttribName (optional).....*CodedValue* The code that represents the attribute.

.....CodedValue

.....Agency

.....@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.

.....@AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.

.....CodeList (optional).....*string* The name or description of the code list.

.....Value.....*string* The coded value.

Or

.....AttribName (optional).....The name of the attribute.

.....LangString.....*string* A text string.

.....@Lang.....*LangCode* The ISO code for the language in which the text string is written.

End of choice between CodedAttribName and AttribName

You MUST choose one of the following: CodedAttribValue, AttribValue, or Measurement

.....CodedAttribValue (optional).....The code that represents the attribute's value.

.....CodedValue

.....Agency

.....@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.

.....@AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.

.....CodeList (optional).....*string* The name or description of the code list.

.....Value.....*string* The coded value.

Or

.....AttribValue (optional).....The attribute value in text.

.....LangString.....*string* A text string.

.....@Lang.....*LangCode* The ISO code for the language in which the text string is written.

Or

..... Measurement (optional).....*Decimal18_3* The measured value of the attribute.
..... @UnitOfMeasurement.....*UOMCode* The unit of measurement (for exmple, feet).
..... @Equality.....*EqualityCode* The relationship of the measured property to the unit of measurement

End of choice among CodedAttribValue, AttribValue, and Measurement
End of repeating element ProdAttribute

.....ListOfAttachment (optional).....One or more file attachments for the product.

Repeating element Attachment

..... Attachment.....A file attachment.
..... @Attachment.....The URI for the attachment.
..... Purpose.....*string* 1 to 70 character description of the attachment's function (for example, Blueprint).
..... FileName (optional).....*string* 1 to 70 character file name of the atachment.
..... Title (optional).....*string* 1 to 70 character title of the attachment.
..... Language (optional).....*LangCode* The language in which the attachment is written.

End of repeating element Attachment

.....ListOfKeyVal (optional).....One or more keyword/value pairs associated with the product.

Repeating element KeyVal

..... KeyVal.....*string* The value with respect to this keyword.
..... @Lang.....*LangCode* The language in which the keyword is written. If not specified, it is assumed that the language is known by context.
..... @Keyword.....*string* The keyword.

End of repeating element KeyVal

.....CategoryUNSPSC (optional).....The UNSPSC code for the product. Commerce one strongly recommends that you supply this information.

.....ListOfCategory (optional).....Other classifications for the product.

Repeating element Category

..... Category.....A secondary classification for the product.
..... CategoryID.....*string* The unique identifier for the category.
..... TreeName.....*TreeNameCode* The name of the tree. one of the following values: SupplierTree, BuyerTree, UNSPSC, NIGP, or Other.
..... TreeNameOther (optional).....*string* The name of the tree, specified if TreeName has a value of Other.
..... Agency (optional)
..... @AgencyID.....*AgencyCode* The standards agency responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.
..... @AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.

End of repeating element Category

.....CountryOfOrigin (optional).....*CountryCode* The country in which the product originated.
ListOfSpecialCond (optional).....One or more special conditions to which the product is subject due to origin, customs, preference, embargo regulations or commercial factors.

Repeating element SpecialCond

.....SpecialCond
CondCode.....*SpecialCondCode* The special condition to which the item is subject. One of the following values: SubjectToBonus, SubjectToCommission, PriceIncludesExcise, PriceIncludesTax, SubjectToExportRestrictions, PromotionalPrice, Service, Loan, Rental, Processing, Exchange, Return, or Other.
CondCodeOther (optional).....*string* The special condition to which the item is subject, specified if the value of Cond SpecialCond

End of repeating element SpecialCond

.....ListPrice (optional)
Price
UnitPrice.....The product's unit price expressed in a specified currency.
@Currency.....*CurrencyCode* The ISO code for the currency in which the unit price is expressed.
UnitPrice.....*Decimal15_4* The price for one unit of the product.
UnitOfMeasure (optional).....The unit of measurement in which the quantity is expressed.
UOMCode.....*UOMCode* The unit of measurement.
UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
StartDate (optional).....*date* The first date that the price applies.
EndDate (optional).....*date* The last date that the price applies.
QuantityRange (optional).....The quantity range to which the unit price applies. If not specified, the price applies to all quantities.
@UnitOfMeasure.....*UOMCode* The unit of measurement in which the quantities are expressed.
Range.....The minimum and maximum quantities included in the range.
@Min (optional).....*Decimal18_3* The minimum value included in the range. If not specified, there is no minimum value.
@Max (optional).....*Decimal18_3* The maximum value included *in the range*. If not specified, there is no maximum.

.....ListOfPrice

Repeating element Price

.....Price
UnitPrice.....The product's unit price expressed in a specified currency.
@Currency.....*CurrencyCode* The ISO code for the currency in which the unit price is expressed.
UnitPrice.....*Decimal15_4* The price for one unit of the product.
UnitOfMeasure (optional).....The unit of measurement in which the quantity is expressed.
UOMCode.....*UOMCode* The unit of measurement.
UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

..... StartDate (optional).....*date* The first date that the price applies.
 EndDate (optional).....*date* The last date that the price applies.
 QuantityRange (optional).....The quantity range to which the unit price applies. If not specified, the price applies to all quantities.
 @UnitOfMeasure.....*UOMCode* The unit of measurement in which the quantities are expressed.
 Range.....The minimum and maximum quantities included in the range.
 @Min (optional).....*Decimal18_3* The minimum value included in the range. If not specified, there is no minimum value.
 @Max (optional).....*Decimal18_3* The maximum value included *in the range*. If not specified, there is no maximum.

End of repeating element Price

..... ListOfAllowOrCharge (optional)

Repeating element AllowOrCharge

..... AllowOrCharge
 IsCharge.....*Boolean* True if the item is a tax, false if it is a discount.
 Basis.....*AllowOrChgBasis* The basis (None, Quantity, Percent, Money, or Tax) for the allowance or charge.
 SeqNo.....*int* The order in which this allowance or charge is applied, relative to other allowances and charges.
 Desc
 AllowOrChgDesc
 RefID (optional).....*string* The supplier's code number for the charge or allowance.
 ListOfDescription (optional).....One or more descriptions of the allowance or charge. Each description must be in a different language.

Repeating element Description

..... Description.....*string* A description of the allowance or charge.
 @Lang.....*LangCode* The language in which the description is written.

End of repeating element Description

..... ServiceCode.....*AllowOrChgServCode* The service (None, Pickup, COD, or Handling) with which the allowance or charge is associated.
 StartDate (optional).....*date* The first date that the allowance or charge applies.
 EndDate (optional).....*date* The last date that the allowance or charge applies.

You may choose one of the following: QuantityRange or MoneyRange

..... QuantityRange (optional)
 Range.....The quantity that must be ordered for the allowance or charge to apply.
 Min.....*Decimal18_3* The minimum quantity to which the allowance or charge applies.
 Max.....*Decimal18_3* The maximum quantity to which the allowance or charge applies.
 @UnitOfMeasure.....*UOMCode* The unit of measurement in which the minimum and maximum quantities are expressed.

Or

..... MoneyRange (optional).....The monetary amount that must be ordered for the allowance or charge to apply.
 @Min.....*Decimal18_3* The minimum monetary amount to which the allowance or charge applies.
 @Max.....*Decimal18_3* The maximum monetary amount to which the allowance or charge applies.
 @Currency.....*CurrencyCode* The currency in which the minimum and maximum amounts are expressed.

End of choice

You MUST choose one of the following: Quantity, Money, Percent, or Tax

..... Quantity
 Qty.....*Decimal15_3* The quantity of the product supplied free of charge.
 UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
 UOMCode.....*UOMCode* The unit of measurement.
 UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

Or

..... Money.....The discount, expressed as a monetary amount.
 @Currency.....*CurrencyCode* The currency in which the discount is expressed.

Or

..... Percent.....*Decimal10_4* The discount expressed as a percentage of cost.

Or

..... Tax
 TaxPercent.....*Decimal10_4* The rate of taxation.
 Location.....*string* The location of the taxing entity.
 TaxId (optional).....*string* The tax identification number.
 TaxAmount.....*Decimal18_3* The monetary amount of the tax.
 TaxableAmount.....*Decimal18_3* The monetary amount subject to taxation.
 @FuncQual.....*TaxFuncQual* The function (CustomsDuty or Tax) of the charge. The default value is Tax.
 @Category.....*TaxCategory* The tax category (Other, Mixed, Exempt, Standard, FreeExportItem, or Zero). The default value is Standard.
 @Type.....*TaxType* The tax type (GST or VAT). The defaultAllowOrCharge

End of choice

End of repeating element AllowOrCharge

Or

.....CatalogDelete
 PartNum.....The part number to be deleted from the catalog.
 Agency.....The agency that issued the part number.
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
 @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
 PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.
..... EffectiveDate.....*date* The date on which the part is to be removed from the catalog.

End of choice between and PriceCatDetail and CatalogDelete

Examples

The following example shows a deletion from a price catalog:

```
<PriceCatAction>
  <CatalogDelete>
    <PartNum>
      <Agency AgencyID="CommerceOne" />
      <PartID>1732|1812||</PartID>
    </PartNum>
  </CatalogDelete>
</PriceCatAction>
```

The next example shows an addition to a price catalog:

```
<PriceCatAction>
  <PriceCatDetail>
    <PriceAction>Add</PriceAction>

    <PartNum>
      <Agency AgencyID="CommerceOne" />
      <PartID>1732|12345||</PartID>
    </PartNum>

    <ListOfDescription>
      <Description Lang="EN">500 sheets white paper, 20#</Description>
    </ListOfDescription>

    <RelatedParts>
      <AdditionalIDs>
        <ListOfPartNum>
          <PartNum>
            <Agency AgencyID="AssignedByBuyer" />
            <PartID>XYZ12345</PartID>
          </PartNum>
        </ListOfPartNum>
      </AdditionalIDs>
    </RelatedParts>
  </PriceCatDetail>
</PriceCatAction>
```

```

    <PartNum>
      <Agency AgencyID="AssignedBySupplier" />
      <PartID>12345</PartID>
    </PartNum>
  </ListOfPartNum>
</AdditionalIDs>

<SubstituteFor>
  <ListOfPartNum>
    <PartNum>
      <Agency AgencyID="AssignedBySupplier" />
      <PartID>12386</PartID>
      <PartIDExt>A</PartIDExt>
    </PartNum>
  </ListOfPartNum>
</SubstituteFor>

<OtherPartNums>
  <ListOfRelatedPartNum>
    <RelatedPartNum RelatedPartType="Version">
      <Agency AgencyID="AssignedBySupplier" />
      <PartID>123.2</PartID>
    </RelatedPartNum>
  </ListOfRelatedPartNum>
</OtherPartNums>
</RelatedParts>

<LeadTimeDays>5</LeadTimeDays>

<LongDesc>
  <ListOfLangString>
    <LangString Lang="EN">A high quality paper product
      designed for professional printing.
    </LangString>
  </ListOfLangString>
</LongDesc>

<ListOfDescInfo>

```

```
<DescInfo>
  <AttribCode>Color</AttribCode>
  <ValueCode>Red</ValueCode>
</DescInfo>
</ListOfDescInfo>

<MinOrder>5</MinOrder>

<MaxOrder>1000</MaxOrder>

<LotSize>5</LotSize>

<ListOfProdAttribute>
  <ProdAttribute>
    <AttribName>
      <LangString Lang="EN">Fabric</LangString>
    </AttribName>
    <AttribValue>
      <LangString Lang="EN">Red</LangString>
    </AttribValue>
  </ProdAttribute>

  <ProdAttribute>
    <AttribName>
      <LangString Lang="EN">Drawer Height</LangString>
    </AttribName>
    <Measurement UnitOfMeasure="FOT">1.0</Measurement>
  </ProdAttribute>
</ListOfProdAttribute>

<ListOfAttachment>
  <Attachment Attachment="http://www.mysite.com/xyz.gif">
    <Purpose>Drawing</Purpose>
  </Attachment>
</ListOfAttachment>

<ListOfKeyVal>
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```
<KeyVal Keyword="User Level">Professional</KeyVal>
<KeyVal Keyword="Rating">Four Stars</KeyVal>
</ListOfKeyVal>

<CategoryUNSPSC>04378821</CategoryUNSPSC>

<ListOfCategory>
  <Category>
    <CategoryID>Printers</CategoryID>
    <TreeName>SupplierTree</TreeName>
  </Category>
</ListOfCategory>

<CountryOfOrigin>US</CountryOfOrigin>

<ListOfSpecialCond>
  <SpecialCond>
    <CondCode>PriceIncludesTax</CondCode>
  </SpecialCond>
</ListOfSpecialCond>

<ListOfPrice>
  <Price>
    <UnitPrice Currency="USD">1.025</UnitPrice>
    <UnitOfMeasure>EA</UnitOfMeasure>
    <QuantityRange Min="1" Max="10" />
  </Price>

  <Price>
    <UnitPrice Currency="USD">1.0</UnitPrice>
    <UnitOfMeasure>EA</UnitOfMeasure>
    <QuantityRange Min="11" />
  </Price>
</ListOfPrice>
</PriceCatDetail>
</PriceCatAction>
```

PriceCatalog

The PriceCatalog Document is based on XML version of the UN/EDIFACT D.96A PRICAT message produced by XCAT Project Group. <http://193.88.152.131/xcat/>

The Price/Sales Catalogue message is sent by the supplier to his customers. The message is used as a catalogue or list of all of the suppliers products or as an advanced warning to particular changes in the product line. The catalogue would include descriptive, logistical, and financial information about each product. The message might indicate only general information about the products, valid for all customers or provide a single customer with specific product information such as special pricing conditions. Additionally, the message can be sent from a buyer to a seller to specify special requirements such as buyer labelling or packaging requirements.

Each product is assigned a standard EAN number which will be referred to by the supplier's customers in future transactions. The message would be resent when there are any changes, deletions or additions to the supplier's products.

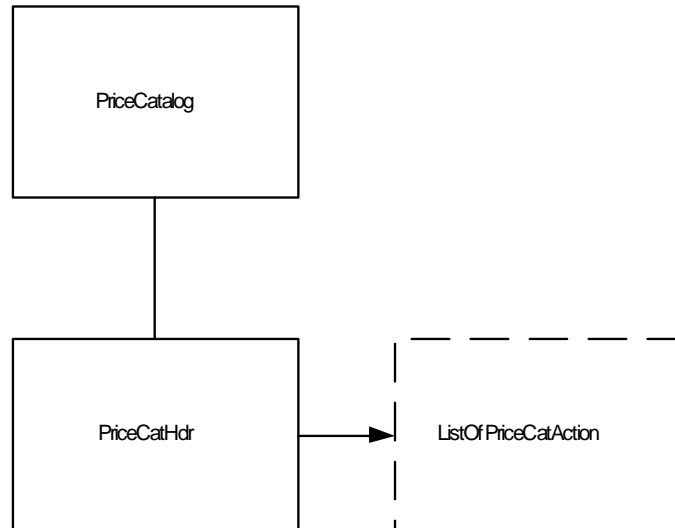
The Price/Sales Catalogue message can also be used by suppliers to feed a central catalogue of products, making the information available to all interested parties.

[Source Code](#) PriceCatalog.sox on page 1139

PriceCatalog consists of:

- A PriceCatHdr element, which contains header information for the document.
- An optional ListOfPriceCatAction element, which contains information about each line item in the catalog.

Structure



Contents

PriceCatalog

.....PriceCatHdr	
.....DocumentDate.....	<i>date</i> The date the catalog was produced.
.....EarliestDeliveryDate (optional).....	<i>date</i> The earliest date the catalog can be delivered. If not specified, this defaults to the DocumentDate.
.....ValidStartDate (optional).....	<i>date</i> The date the catalog becomes valid. If not specified, this defaults to the DocumentDate.
.....ValidEndDate (optional).....	<i>date</i> The last date the catalog is valid.
.....DefaultCurrency.....	<i>CurrencyCode</i> The default currency in which monetary amounts are expressed.
.....DefaultLanguage.....	<i>LangCode</i> The default language for the catalog.
.....ListOfDescription.....	Descriptions of the catalog in one or more languages.
Repeating element Description	
.....Description	
.....@Lang.....	<i>LangCode</i> The ISO code for the language in which the description is written.
End of repeating element Description	
.....CatHdrRef (optional).....	Other documents that are related to the catalog.

..... CustRefNum (optional)
..... Reference
..... RefNum.....*string* The document being referenced.
..... RefDate (optional).....*datetime* The date of the reference.
..... ContractNum (optional)
..... Reference
..... RefNum.....*string* The document being referenced.
..... RefDate (optional).....*datetime* The date of the reference.
..... ProdCat (optional)
..... Reference
..... RefNum.....*string* The document being referenced.
..... RefDate (optional).....*datetime* The date of the reference.
..... PriceCat (optional)
..... Reference
..... RefNum.....*string* The document being referenced.
..... RefDate (optional).....*datetime* The date of the reference.
..... SupplierParty
..... Party
..... @PartyID.....*string* The identification number for the party.
..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of
AgencyID is Other.
..... ListOfIdentifier (optional)
Repeating element Identifier
..... Identifier
..... Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
End of repeating element Identifier
..... NameAddress (optional).....Name and address information for the party.
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.

..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
..... OrderContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Fax (optional).....*string* The FAX number.

..... OtherContacts (optional)

..... ListOfContactCoded

Repeating element ContactCoded

.....ContactCoded

.....Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

.....SupplierAgentParty (optional)

..... Party

..... @PartyID.....*string* The identification number for the party.

..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier

..... Agency

..... @AgencyID.....*AgencyCode* The standards agency.

..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.

..... Identifier (optional)

.....Agency

..... @AgencyID.....*AgencyCode* The standards agency.

..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

..... Name1.....*string* The first line of the name.

..... Name2 (optional).....*string* The second line of the name.

..... Name3 (optional).....*string* The third line of the name.

..... Address1.....*string* The first line of the street address.

..... Address2 (optional).....*string* The second line of the street address.

..... Address3 (optional).....*string* The third line of the street address.

..... Address4 (optional).....*string* The fourth line of the street address.

..... Address5 (optional).....*string* The fifth line of the street address.

..... City.....*string* The city.

..... StateOrProvince.....*string* The state or province.

..... PostalCode.....*string* The zip or postal code.

..... Country.....*CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

.....Identifier (optional)

.....Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... ReceivingContact (optional)

..... Contact

.....Identifier (optional)

.....Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... ShippingContact (optional)

..... Contact

.....Identifier (optional)

.....Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Fax (optional).....*string* The FAX number.

..... OtherContacts (optional)

..... ListOfContactCoded

Repeating element ContactCoded

.....ContactCoded

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

.....ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

.....BuyerParty (optional)

..... Party

..... @PartyID.....*string* The identification number for the party.

..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier

..... Agency

..... @AgencyID.....*AgencyCode* The standards agency.

..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The standards agency.

..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... Name1.....*string* The first line of the name.

..... Name2 (optional).....*string* The second line of the name.

..... Name3 (optional).....*string* The third line of the name.

..... Address1.....*string* The first line of the street address.

..... Address2 (optional).....*string* The second line of the street address.

..... Address3 (optional).....*string* The third line of the street address.

..... Address4 (optional).....*string* The fourth line of the street address.

..... Address5 (optional).....*string* The fifth line of the street address.

..... City.....*string* The city.

..... StateOrProvince.....*string* The state or province.

..... PostalCode.....*string* The zip or postal code.

..... Country.....*CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
..... Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded
Repeating element ContactCoded
.....ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther..... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

..... ContactFunctionCode..... *ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... ListOfPartyCoded (optional)

Repeating element PartyCoded

..... PartyCoded

..... Party

..... @PartyID..... *string* The identification number for the party.

..... @AgencyID..... *AgencyCode* The agency that issued the party's identification number.

..... @AgencyOther..... *string* The agency that issued the identification number, specified if the value of AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier

..... Agency

..... @AgencyID..... *AgencyCode* The standards agency.

..... @AgencyOther..... *string* The standards agency, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional)..... Name and address information for the party.

..... Identifier (optional)

..... Agency

..... @AgencyID..... *AgencyCode* The standards agency.

..... @AgencyOther..... *string* The standards agency, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... Name1..... *string* The first line of the name.

..... Name2 (optional)..... *string* The second line of the name.

..... Name3 (optional)..... *string* The third line of the name.

..... Address1..... *string* The first line of the street address.

..... Address2 (optional)..... *string* The second line of the street address.

..... Address3 (optional)..... *string* The third line of the street address.

..... Address4 (optional)..... *string* The fourth line of the street address.

.....Address5 (optional).....*string* The fifth line of the street address.
.....City.....*string* The city.
.....StateOrProvince.....*string* The state or province.
.....PostalCode.....*string* The zip or postal code.
.....Country.....*CountryCode* The two-character country code.
..... OrderContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."

..... Ident.....*string* The coded identifier.
 ContactName.....*string* The employee or department name.
 Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
 Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
 OtherContacts (optional)
 ListOfContactCoded

Repeating element ContactCoded

..... ContactCoded
 Contact
 Identifier (optional)
 Agency
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
 @AgencyOther...*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.
 ContactName.....*string* The employee or department name.
 Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
 Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
 ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... PartyRole.....*PartyRoleCode* The role of the party. One of the following values: Buyer, Supplier, CentralCatParty, StoreNumber, SuppAgent, ProdInqNum, or Other.
 PartyRoleOther (optional).....*string* The role of the party, specified if the value of PartyRole is Other.
 ListOfPaymentCurrency (optional).....One or more additional currencies in which ayment is accepted.

Repeating element PaymentCurrency

..... PaymentCurrency

End of repeating element PaymentCurrency

.....ListOfPriceCatAction (optional)

Repeating element PriceCatAction

..... PriceCatAction
 PriceCatDetail
 PriceAction.....*PriceCatDetailActionCode* The action (Add, Change, or NoAction) to take on the part.
 PartNum.....The part number.
 Agency.....The agency that assigned the part number.

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
.....@AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... ListOfDescription (optional).....Descriptions of the part in one or more languages.

Repeating element Description

..... Description.....*string* A description of the part.
..... @Lang.....*LangCode* The ISO code for the language in which the description is written.

End of repeating element Description

..... RelatedParts (optional)
..... AdditionalIDs (optional).....Other part numbers by which this part is known.
..... ListOfPartNum.....One or more additional part numbers for this part.

Repeating element PartNum

..... PartNum.....An additional part number that has been assigned to this part.
..... Agency.....The agency that assigned the part number.
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

..... CanSubstituteBy (optional).....Parts that may be substituted when this part is not available.
..... ListOfPartNum.....One or more part numbers that may be substituted when this part is not available.

Repeating element PartNum

..... PartNum.....The part number that may be substituted when this part is not available.
..... Agency.....The agency that assigned the part number.
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).that assigned the part number.
..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

..... SubstituteBy (optional).....Parts that are substitutes for this part.
..... ListOfPartNum.....One or more part numbers that are substitutes for this part.

Repeating element PartNum

..... PartNum.....The part number that is substituted for this part.
..... Agency.....The agency that assigned the part number.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.

..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

..... SubstituteFor (optional).....Parts for which this part is a substitute.

.....ListOfPartNum.....One or more parts for which this part is a substitute.

Repeating element PartNum

..... PartNum.....The part number for which this part is substituted.

..... Agency.....The agency that assigned the part number.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.

..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

..... CrossRef (optional).....Other parts that are referenced by this part.

.....ListOfPartNum.....One or more parts that are referenced by this part.

Repeating element PartNum

..... PartNum.....The part number of the referenced part.

..... Agency.....The agency that assigned the part number.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.

..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

..... OtherPartNum (optional).....Other related parts.

.....ListOfRelatedPartNum.....One or more parts that are related to this part.

Repeating element RelatedPartNum

..... RelatedPartNum.....The part number of the related part.

..... @RelatedPartType

..... PartNum.....The part number.

..... Agency.....The agency that assigned the part number.

..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.

..... @AgencyOther..... *string* The agency that assigned the part number, specified when AgencyID has a value of "Other."

..... PartID..... *string* The unique identifier for the part.

..... PartIDExt (optional)..... *string* The part number extension.

End of repeating element RelatedPartNum

..... ValidStartDate (optional)..... *date* The first date on which this catalog entry is valid.

..... ValidEndDate (optional)..... *date* The last date on which this catalog entry is valid.

..... AvailStartDate (optional)..... *date* The first date on which the product is available.

..... AvailEndDate (optional)..... *date* The last date on which the product is available.

..... LeadTimeDays (optional)..... *date* The number of days before anticipated delivery that the product must be ordered.

..... LongDesc (optional)..... One or more long descriptions (up to 2,000 characters) of the product.

..... ListOfLangString..... Long descriptions of the product in one or more languages.

Repeating element LangString

..... LangString..... *string* A text string.

..... @Lang..... *LangCode* The ISO code for the language in which the text string is written.

End of repeating element LangString

..... ListOfDescInfo (optional)..... Descriptive information for the product.

Repeating element DescInfo

..... DescInfo

..... AttrbCode..... *DescInfoAttrbCode* The attribute that is being described. one of the following values: Finish, Quality, Color, Grade, Keyword, or Other.

..... AttrbCodeOther (optional)..... The name of the attribute, specified if AttrbCode has a value of Other.

..... LangString..... *string* The name of the attribute.

..... @Lang..... *LangCode* The ISO code for the language in which the attribute is described.

..... ValueCode (optional)..... *DescInfoValueCode* The value (Red, Orange, Yellow, green, Blue, Violet, A, or Other) with respect to the attribute.

..... ValueOther (optional)

..... LangString..... *string* The name of the attribute.

..... @Lang..... *LangCode* The ISO code for the language in which the value is described.

..... Agency..... The name of the agency responsible for the codes.

..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other) responsible for the codes.

..... @AgencyOther..... *string* The agency, specified when AgencyID has a value of "Other."

End of repeating element DescInfo

..... MinOrder (optional)..... *Decimal15_3* The minimum number of units that may be ordered.

..... MaxOrder (optional)..... *Decimal15_3* The maximum number of units that may be ordered.

..... LotSize (optional)..... *Decimal 15_3* The lot size of the product.

..... ListOfProdAttribute (optional)

Repeating element ProdAttribute

..... ProdAttribute

You MUST choose one of the following: CodedAttribName or AttribName

.....CodedAttribName (optional)..... *CodedValue* The code that represents the attribute.

.....CodedValue

..... Agency

..... @AgencyID..... *AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.

..... @AgencyOther..... *string* The standards agency responsible for the code list, specified if Agency has a value of Other.

..... CodeList (optional)..... *string* The name or description of the code list.

..... Value..... *string* The coded value.

Or

.....AttribName (optional).....The name of the attribute.

.....LangString..... *string* A text string.

..... @Lang..... *LangCode* The ISO code for the language in which the text string is written.

End of choice between CodedAttribName and AttribName

You MUST choose one of the following: CodedAttribValue, AttribValue, or Measurement

.....CodedAttribValue (optional)..... The code that represents the attribute's value.

.....CodedValue

..... Agency

..... @AgencyID..... *AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.

..... @AgencyOther..... *string* The standards agency responsible for the code list, specified if Agency has a value of Other.

..... CodeList (optional)..... *string* The name or description of the code list.

..... Value..... *string* The coded value.

Or

.....AttribValue (optional).....The attribute value in text.

.....LangString..... *string* A text string.

..... @Lang..... *LangCode* The ISO code for the language in which the text string is written.

Or

.....Measurement (optional)..... *Decimal18_3* The measured value of the attribute.

..... @UnitOfMeasurement..... *UOMCode* The unit of measurement (for exmple, feet).

.....@Equality.....*EqualityCode* The relationship of the measured property to the unit of measurement
End of choice between CodedAttribValue, AttribValue, and Measurement

..... ListOfAttachment (optional).....One or more file attachments for the product.

Repeating element Attachment

..... Attachment.....A file attachment.

.....@Attachment.....The URI for the attachment.

.....Purpose.....*string* 1 to 70 character description of the attachment's function (for example, Blueprint).

.....FileName (optional).....*string* 1 to 70 character file name of the attachment.

.....Title (optional).....*string* 1 to 70 character title of the attachment.

.....Language (optional).....*LangCode* The language in which the attachment is written.

End of repeating element Attachment

..... ListOfKeyVal (optional).....One or more keyword/value pairs associated with the product.

Repeating element KeyVal

..... KeyVal.....*string* The value with respect to this keyword.

.....@Lang.....*LangCode* The language in which the keyword is written. If not specified, it is assumed that the language is known by context.

.....@Keyword.....*string* The keyword.

End of repeating element KeyVal

..... CategoryUNSPSC (optional).....The UNSPSC code for the product. Commerce one strongly recommends that you supply this information.

..... ListOfCategory (optional).....Other classifications for the product.

Repeating element Category

..... Category.....A secondary classification for the product.

.....CategoryID.....*string* The unique identifier for the category.

.....TreeName.....*TreeNameCode* The name of the tree. one of the following values: SupplierTree, BuyerTree, UNSPSC, NIGP, or Other.

.....TreeNameOther (optional).....*string* The name of the tree, specified if TreeName has a value of Other.

.....Agency (optional)

.....@AgencyID.....*AgencyCode* The standards agency responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.

.....@AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.

End of repeating element Category

..... CountryOfOrigin (optional).....*CountryCode* The country in which the product originated.

..... ListOfSpecialCond (optional).....One or more special conditions to which the product is subject due to origin, customs, preference, embargo regulations or commercial factors.

Repeating element SpecialCond

..... SpecialCond
.....CondCode.....*SpecialCondCode* The special condition to which the item is subject. One of the following values: SubjectToBonus, SubjectToCommission, PriceIncludesExcise, PriceIncludesTax, SubjectToExportRestrictions, PromotionalPrice, Service, Loan, Rental, Processing, Exchange, Return, or Other.
.....CondCodeOther (optional).....*string* The special condition to which the item is subject, specified if the value of Cond SpecialCond

End of repeating element SpecialCond

..... ListPrice (optional)
..... Price
.....UnitPrice.....The product's unit price expressed in a specified currency.
..... @Currency.....*CurrencyCode* The ISO code for the currency in which the unit price is expressed.
..... UnitPrice.....*Decimal15_4* The price for one unit of the product.
.....UnitOfMeasure (optional).....The unit of measurement in which the quantity is expressed.
.....UOMCode.....*UOMCode* The unit of measurement.
.....UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
.....StartDate (optional).....*date* The first date that the price applies.
.....EndDate (optional).....*date* The last date that the price applies.
.....QuantityRange (optional).....The quantity range to which the unit price applies. If not specified, the price applies to all quantities.
..... @UnitOfMeasure.....*UOMCode* The unit of measurement in which the quantities are expressed.
..... Range.....The minimum and maximum quantities included in the range.
..... @Min (optional).....*Decimal18_3* The minimum value included in the range. If not specified, there is no minimum value.
..... @Max (optional).....*Decimal18_3* The maximum value included *in the range*. If not specified, there is no maximum.

..... ListOfPrice

Repeating element Price

..... Price
.....UnitPrice.....The product's unit price expressed in a specified currency.
..... @Currency.....*CurrencyCode* The ISO code for the currency in which the unit price is expressed.
..... UnitPrice.....*Decimal15_4* The price for one unit of the product.
.....UnitOfMeasure (optional).....The unit of measurement in which the quantity is expressed.
.....UOMCode.....*UOMCode* The unit of measurement.
.....UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
.....StartDate (optional).....*date* The first date that the price applies.
.....EndDate (optional).....*date* The last date that the price applies.
.....QuantityRange (optional).....The quantity range to which the unit price applies. If not specified, the price applies to all quantities.

..... @UnitOfMeasure..... *UOMCode* The unit of measurement in which the quantities are expressed.
 Range..... The minimum and maximum quantities included in the range.
 @Min (optional)..... *Decimal18_3* The minimum value included in the range. If not specified, there is no minimum value.
 @Max (optional)..... *Decimal18_3* The maximum value included *in the range*. If not specified, there is no maximum.

End of repeating element Price

..... ListOfAllowOrCharge (optional)

Repeating element AllowOrCharge

..... AllowOrCharge
 IsCharge..... *Boolean* True if the item is a tax, false if it is a discount.
 Basis..... *AllowOrChgBasis* The basis (None, Quantity, Percent, Money, or Tax) for the allowance or charge.
 SeqNo..... *int* The order in which this allowance or charge is applied, relative to other allowances and charges.
 Desc
 AllowOrChgDesc
 RefID (optional)..... *string* The supplier's code number for the charge or allowance.
 ListOfDescription (optional).... *One or more descriptions of the allowance or charge. Each description must be in a different language.*
 Description..... *string* A description of the allowance or charge.
 @Lang..... *LangCode* The language in which the description is written.
 ServiceCode..... *AllowOrChgServCode* The service (None, PickUp, COD, or Handling) with which the allowance or charge is associated.
 StartDate (optional)..... *date* The first date that the allowance or charge applies.
 EndDate (optional)..... *date* The last date that the allowance or charge applies.

You may choose one of the following: QuantityRange or MoneyRange

..... QuantityRange (optional)
 Range..... The quantity that must be ordered for the allowance or charge to apply.
 Min..... *Decimal18_3* The minimum quantity to which the allowance or charge applies.
 Max..... *Decimal18_3* The maximum quantity to which the allowance or charge applies.
 @UnitOfMeasure..... *UOMCode* The unit of measurement in which the minimum and maximum quantities are expressed.

Or

..... MoneyRange (optional)..... The monetary amount that must be ordered for the allowance or charge to apply.
 @Min..... *Decimal18_3* The minimum monetary amount to which the allowance or charge applies.
 @Max..... *Decimal18_3* The maximum monetary amount to which the allowance or charge applies.
 @Currency..... *CurrencyCode* The currency in which the minimum and maximum amounts are expressed.

End of choice

You MUST choose one of the following: Quantity, Money, Percent, or Tax

.....Quantity
 Qty.....*Decimal15_3* The quantity of the product supplied free of charge.
 UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
 UOMCode.....*UOMCode* The unit of measurement.
 UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

Or

.....MoneyThe discount, expressed as a monetary amount.
 @Currency.....*CurrencyCode* The currency in which the discount is expressed.

Or

.....Percent*Decimal10_4* The discount expressed as a percentage of cost.

Or

.....Tax
 TaxPercent.....*Decimal10_4* The rate of taxation.
 Location.....*string* The location of the taxing entity.
 TaxId (optional).....*string* The tax identification number.
 TaxAmount.....*Decimal18_3* The monetary amount of the tax.
 TaxableAmount.....*Decimal18_3* The monetary amount subject to taxation.
 @FuncQual.....*TaxFuncQual* The function (CustomsDuty or Tax) of the charge. The default value is Tax.
 @Category.....*TaxCategory* The tax category (Other, Mixed, Exempt, Standard, FreeExportItem, or Zero). The default value is Standard.
 @Type.....*TaxType* The tax type (GST or VAT). The defaultAllowOrCharge

End of choice

End of Repeating element AllowOrCharge

Or

..... CatalogDelete
 PartNum.....The part number to be deleted from the catalog.
 Agency.....The agency that issued the part number.
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
 @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
 PartID.....*string* The unique identifier for the part.
 PartIDExt (optional).....*string* The part number extension.
 EffectiveDate.....*date* The date on which the part is to be removed from the catalog.

End of choice between PriceCatDetail and CatalogDelete

Examples

<?soxtype PriceCatalog urn:x-commercenceone:document:com:commercenceone:CBL:CBL.sox\$1.0?>

```

<!-- A Price Catalog: A list of product pricing information. -->
<PriceCatalog>
  <PriceCatHdr>
    <DocumentDate>19990509</DocumentDate>
    <DefaultCurrency>USD</DefaultCurrency>
    <DefaultLanguage>EN</DefaultLanguage>
    <ListOfDescription>
      <Description Lang="EN">Catalog Description</Description>
    </ListOfDescription>
    <SupplierParty>
      <Party AgencyID="CommerceOne" PartyID="1732" />
    </SupplierParty>
  </PriceCatHdr>

  <ListOfPriceCatAction>
    <PriceCatAction>
      <CatalogDelete>
        <PartNum>
          <Agency AgencyID="CommerceOne" />
          <PartID>1732|1812||</PartID>
        </PartNum>
      </CatalogDelete>
    </PriceCatAction>

    <PriceCatAction>
      <PriceCatDetail>
        <PriceAction>Add</PriceAction>

        <PartNum>
          <Agency AgencyID="CommerceOne" />
          <PartID>1732|12345||</PartID>
        </PartNum>

        <ListOfDescription>
          <Description Lang="EN">500 sheets white paper, 20#</Description>
        </ListOfDescription>

        <RelatedParts>
          <AdditionalIDs>

```

```

    <ListOfPartNum>
      <PartNum>
        <Agency AgencyID="AssignedByBuyer" />
        <PartID>XYZ12345</PartID>
      </PartNum>
      <PartNum>
        <Agency AgencyID="AssignedBySupplier" />
        <PartID>12345</PartID>
      </PartNum>
    </ListOfPartNum>
  </AdditionalIDs>

  <SubstituteFor>
    <ListOfPartNum>
      <PartNum>
        <Agency AgencyID="AssignedBySupplier" />
        <PartID>12386</PartID>
        <PartIDExt>A</PartIDExt>
      </PartNum>
    </ListOfPartNum>
  </SubstituteFor>

  <OtherPartNums>
    <ListOfRelatedPartNum>
      <RelatedPartNum RelatedPartType="Version">
        <Agency AgencyID="AssignedBySupplier" />
        <PartID>123.2</PartID>
      </RelatedPartNum>
    </ListOfRelatedPartNum>
  </OtherPartNums>
</RelatedParts>

<LeadTimeDays>5</LeadTimeDays>

<LongDesc>
  <ListOfLangString>
    <LangString Lang="EN">A high quality paper product
      designed for professional printing.
  </LangString>
  </ListOfLangString>

```

```
</LangString>
</ListOfLangString>
</LongDesc>

<ListOfDescInfo>
  <DescInfo>
    <AttribCode>Color</AttribCode>
    <ValueCode>Red</ValueCode>
  </DescInfo>
</ListOfDescInfo>

<MinOrder>5</MinOrder>

<MaxOrder>1000</MaxOrder>

<LotSize>5</LotSize>

<ListOfProdAttribute>
  <ProdAttribute>
    <AttribName>
      <LangString Lang="EN">Fabric</LangString>
    </AttribName>
    <AttribValue>
      <LangString Lang="EN">Red</LangString>
    </AttribValue>
  </ProdAttribute>

  <ProdAttribute>
    <AttribName>
      <LangString Lang="EN">Drawer Height</LangString>
    </AttribName>
    <Measurement UnitOfMeasure="FOT">1.0</Measurement>
  </ProdAttribute>
</ListOfProdAttribute>

<ListOfAttachment>
  <Attachment Attachment="http://www.mysite.com/xyz.gif">
```

```

    <Purpose>Drawing</Purpose>
  </Attachment>
</ListOfAttachment>

<ListOfKeyVal>
  <KeyVal Keyword="User Level">Professional</KeyVal>
  <KeyVal Keyword="Rating">Four Stars</KeyVal>
</ListOfKeyVal>

<CategoryUNSPSC>04378821</CategoryUNSPSC>

<ListOfCategory>
  <Category>
    <CategoryID>Printers</CategoryID>
    <TreeName>SupplierTree</TreeName>
  </Category>
</ListOfCategory>

<CountryOfOrigin>US</CountryOfOrigin>

<ListOfSpecialCond>
  <SpecialCond>
    <CondCode>PriceIncludesTax</CondCode>
  </SpecialCond>
</ListOfSpecialCond>

<ListOfPrice>
  <Price>
    <UnitPrice Currency="USD">1.025</UnitPrice>
    <UnitOfMeasure>EA</UnitOfMeasure>
    <QuantityRange Min="1" Max="10" />
  </Price>

  <Price>
    <UnitPrice Currency="USD">1.0</UnitPrice>
    <UnitOfMeasure>EA</UnitOfMeasure>
    <QuantityRange Min="11" />
  </Price>

```

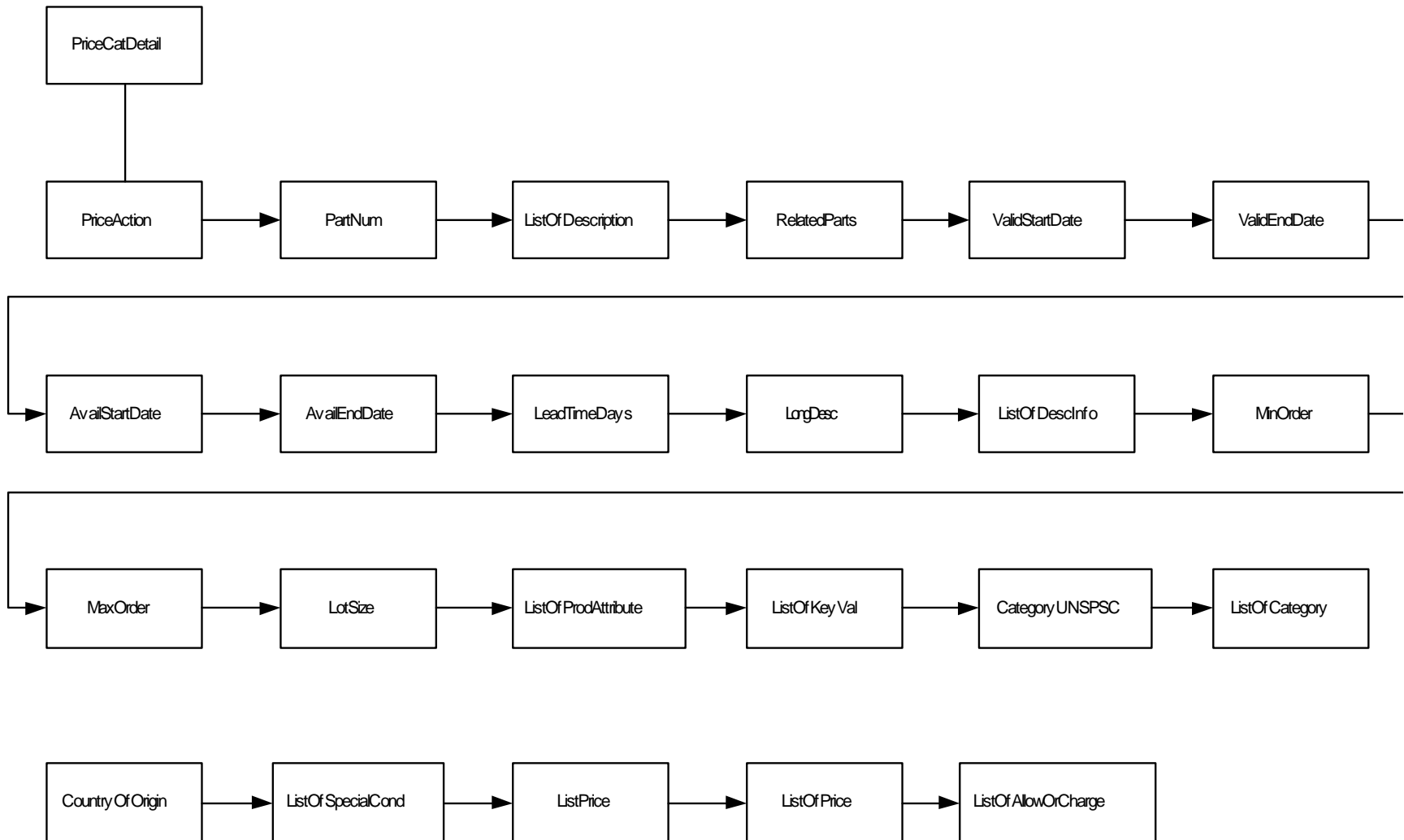
```
</ListOfPrice>  
</PriceCatDetail>  
</PriceCatAction>  
</ListOfPriceCatAction>  
</PriceCatalog>
```

PriceCatDetail

The PriceCatDetail element contains information about one item in a price catalog. It consists of:

- A PriceAction element, which indicates the action (Add, Change, or NoAction) being performed on the catalog.
- A PartNum element, which contains the part number that uniquely identifies the product.
- An optional ListOfDescription element, which contains brief (255 characters or less) descriptions of the product in one or more languages.
- An optional RelatedParts element, which identifies related parts.
- An optional ValidStartDate element and an optional ValidEndDate element, which together specify the interval during which the catalog entry is valid.
- An optional AvailStartDate element and an optional AvailEndDate element, which together specify the interval during which the product is available.
- An optional LeadTimeDays element, which specifies the number of days before delivery that the product must be ordered.
- An optional LongDesc element, which contains long (2000 characters or less) descriptions of the product in one or more languages.
- An optional ListOfDescInfo element, which contains descriptions of one or more product attributes.
- An optional MinOrder element, which specifies the minimum number of units of the product that may be ordered. If not specified, the minimum order size is one unit.
- An optional MaxOrder element, which specifies the maximum number of units of the product that may be ordered. If not specified, an unlimited quantity may be ordered.
- An optional LotSize element, which specifies the number of units in a lot. If not specified, the lot size is one unit.
- An optional ListOfProdAttribute element, which contains one or more technical attributes of the product.
- An optional ListOfKeyVal element, which contains one or more keyword/value pairs.
- An optional, but highly recommended, CategoryUNSPSC element, which contains the product's UNSPSC code.
- An optional ListOfCategory element, which contains one or more product classifications to be used in addition to the UNSPSC classification.
- An optional CountryOfOrigin element, which specifies the country in which the product originated.
- An optional ListOfSpecialCond element, which specifies one or more special conditions that affect the product.
- An optional ListPrice element, which contains the product's list price.
- An optional ListOfPrice element, which contains one or more prices associated with various quantities of the product.
- An optional ListOfAllowOrCharge element, which specifies one or more discounts or charges associated with the product.

Structure



Contents

PriceCatDetail

.....PriceAction.....	<i>PriceCatDetailActionCode</i>	The action (Add, Change, or NoAction) to take on the part.
.....PartNum.....		The part number.
.....Agency.....		The agency that assigned the part number.
.....@AgencyID.....	<i>AgencyCode</i>	The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
.....@AgencyOther.....	<i>string</i>	The agency, specified when AgencyID has a value of "Other."
.....PartID.....	<i>string</i>	The unique identifier for the part.
.....PartIDExt (optional).....	<i>string</i>	The part number extension.
.....ListOfDescription (optional).....		Descriptions of the part in one or more languages.
Repeating element Description		
.....Description.....	<i>string</i>	A description of the part.
.....@Lang.....	<i>LangCode</i>	The ISO code for the language in which the description is written.
End of repeating element Description		
.....RelatedParts (optional).....		
.....AdditionalIDs (optional).....		Other part numbers by which this part is known.
.....ListOfPartNum.....		One or more additional part numbers for this part.
Repeating element PartNum		
.....PartNum.....		An additional part number that has been assigned to this part.
.....Agency.....		The agency that assigned the part number.
.....@AgencyID.....	<i>AgencyCode</i>	The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
.....@AgencyOther.....	<i>string</i>	The agency, specified when AgencyID has a value of "Other."
.....PartID.....	<i>string</i>	The unique identifier for the part.
.....PartIDExt (optional).....	<i>string</i>	The part number extension.
End of repeating element PartNum		
.....CanSubstituteBy (optional).....		Parts that may be substituted when this part is not available.
.....ListOfPartNum.....		One or more part numbers that may be substituted when this part is not available.
Repeating element PartNum		
.....PartNum.....		The part number that may be substituted when this part is not available.
.....Agency.....		The agency that assigned the part number.
.....@AgencyID.....	<i>AgencyCode</i>	The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).that assigned the part number.
.....@AgencyOther.....	<i>string</i>	The agency that assigned the part number, specified when AgencyID has a value of "Other."
.....PartID.....	<i>string</i>	The unique identifier for the part.
.....PartIDExt (optional).....	<i>string</i>	The part number extension.
End of repeating element PartNum		

..... SubstituteBy (optional).....Parts that are substitutes for this part.
..... ListOfPartNum.....One or more part numbers that are substitutes for this part.

Repeating element PartNum

..... PartNum.....The part number that is substituted for this part.
..... Agency.....The agency that assigned the part number.
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.
..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

..... SubstituteFor (optional).....Parts for which this part is a substitute.
..... ListOfPartNum.....One or more parts for which this part is a substitute.

Repeating element PartNum

..... PartNum.....The part number for which this part is substituted.
..... Agency.....The agency that assigned the part number.
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.
..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

..... CrossRef (optional).....Other parts that are referenced by this part.
..... ListOfPartNum.....One or more parts that are referenced by this part.

Repeating element PartNum

..... PartNum.....The part number of the referenced part.
..... Agency.....The agency that assigned the part number.
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.
..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

..... OtherPartNum (optional).....Other related parts.
..... ListOfRelatedPartNum.....One or more parts that are related to this part.

Repeating element RelatedPartNum

..... RelatedPartNum.....The part number of the related part.
..... @RelatedPartType
..... PartNum.....The part number.
..... Agency.....The agency that assigned the part number.
..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.
..... @AgencyOther.....string The agency that assigned the part number, specified when AgencyID has a value of
"Other."
..... PartID.....string The unique identifier for the part.
..... PartIDExt (optional).....string The part number extension.

End of repeating element RelatedPartNum

.....ValidStartDate (optional).....date The first date on which this catalog entry is valid.
.....ValidEndDate (optional).....date The last date on which this catalog entry is valid.
.....AvailStartDate (optional).....date The first date on which the product is available.
.....AvailEndDate (optional).....date The last date on which the product is available.
.....LeadTimeDays (optional).....date The number of days before anticipated delivery that the product must be ordered.
..... LongDesc (optional).....One or more long descriptions (up to 2,000 characters) of the product.
..... ListOfLangString.....Long descriptions of the product in one or more languages.

Repeating element LangString

..... LangString.....string A text string.
..... @Lang.....LangCode The ISO code for the language in which the text string is written.

End of repeating element LangString

.....ListOfDescInfo (optional)

Repeating element DescInfo

..... DescInfo
..... AttribCode.....DescInfoAttribCode The attribute that is being described. one of the following values:
Finish, Quality, Color, Grade, Keyword, or Other.
..... AttribCodeOther (optional).....The name of the attribute, specified if AttribCode has a value of Other.
..... LangString.....string The name of the attribute.
..... @Lang.....LangCode The ISO code for the language in which the attribute is described.
..... ValueCode (optional).....DescInfoValueCode The value (Red, Orange, Yellow, green, Blue, Violet, A, or Other)
with respect to the attribute.
..... ValueOther (optional)
..... LangString.....string The name of the attribute.
..... @Lang.....LangCode The ISO code for the language in which the value is described.
..... Agency.....The name of the agency responsible for the codes.
..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or other) responsible for the codes.
..... @AgencyOther.....string The agency, specified when AgencyID has a value oMinOrder (optional)

End of repeating element DescInfo

-MinOrder (optional).....*Decimal15_3* The minimum number of units of the product that may be ordered.
-MaxOrder (optional).....*Decimal15_3* The maximum number of units of the product that may be ordered. If not specified, an unlimited quantity may be ordered.
-LotSize (optional).....*Decimal15_3* The lot size for the product.
-ListOfProdAttribute (optional).....The technical attributes of the product.

Repeating element ProdAttribute

..... ProdAttribute

You MUST choose one of the following: CodedAttribname or AttribName

- CodedAttribName (optional).....*CodedValue* The code that represents the attribute.
- CodedValue
- Agency
-@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.
-@AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.
- CodeList (optional).....*string* The name or description of the code list.
- Value.....*string* The coded value.

Or

- AttribName (optional).....The name of the attribute.
- LangString.....*string* A text string.
- @Lang.....*LangCode* The ISO code for the language in which the text string is written.

End of choice between CodedAttribName and AttribName

You MUST choose one of the following: CodedAttribValue, AttribValue, or Measurement

- CodedAttribValue (optional)..... The code that represents the attribute's value.
- CodedValue
- Agency
-@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.
-@AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.
- CodeList (optional).....*string* The name or description of the code list.
- Value.....*string* The coded value.

Or

- AttribValue (optional).....The attribute value in text.

..... LangString.....*string* A text string.
 @Lang.....*LangCode* The ISO code for the language in which the text string is written.

Or

..... Measurement (optional).....*Decimal18_3* The measured value of the attribute.
 @UnitOfMeasurement.....*UOMCode* The unit of measurement (for exmple, feet).
 @Equality.....*EqualityCode* The relationship of the measured property to the unit of measurement

End of choice among CodedAttribValue, AttribValue, and Measurement

.....ListOfAttachment (optional)

Repeating element Attachment

..... Attachment
 @Attachment.....The URI for the attachment.
 Purpose.....*string* 1 to 70 character description of the attachment’s function 9for example, Blueprint).
 FileName (optional).....*string* 1 to 70 character file name of the atachment.
 Title (optional).....*string* 1 to 70 character title of the attachment.
 Language (optional).....*LangCode* The language in which the attachment is written.

End of repeating element Attachment

.....ListOfKeyVal (optional)

Repeating element KeyVal

..... KeyVal.....*string* The value with respect to this keyword.
 @Lang.....*LangCode* The language in which the keyword is written. If not specified, it is assumed that the language is known by context.
 @Keyword.....*string* The keyword.

End of repeating element KeyVal

.....CategoryUNSPSC (optional).....*string* The UNSPSC code for the product category.

.....ListOfCategory (optional)

Repeating element Category

..... Category
 CategoryID.....*string* The unique identifier for the category.
 TreeName.....*TreeNameCode* The name of the tree. one of the following values: SupplierTree, BuyerTree, UNSPSC, NIGP, or Other.
 TreeNameOther (optional).....*string* The name of the tree, specified if TreeName has a value of Other.
 Agency (optional)
 @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.
 @AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.

End of repeating element Category

.....CountryOfOrigin (optional)..... *CountryCode* The ISO code for the country in which the product originated.
.....ListOfSpecialCond (optional)

Repeating element SpecialCond

.....SpecialCond
.....CondCode..... *SpecialCondCode* The special condition to which the item is subject. One of the following values: SubjectToBonus, SubjectToCommission, PriceIncludesExcise, PriceIncludesTax, SubjectToExportRestrictions, PromotionalPrice, Service, Loan, Rental, Processing, Exchange, Return, or Other.
.....CondCodeOther (optional)..... *string* The special condition to which the item is subject, specified if the value of CondCode is Other.

End of repeating element SpecialCond

.....ListPrice (optional)
.....Price
.....UnitPrice..... The product's unit price expressed in a specified currency.
.....@Currency..... *CurrencyCode* The ISO code for the currency in which the unit price is expressed.
.....UnitPrice..... *Decimal15_4* The price for one unit of the product.
.....UnitOfMeasure (optional)..... The unit of measurement in which the quantity is expressed.
.....UOMCode..... *UOMCode* The unit of measurement.
.....UOMCodeOther..... *string* The unit of measurement, specified if UOMCode has a value of "Other."
.....StartDate (optional)..... *date* The first date that the price applies.
.....EndDate (optional)..... *date* The last date that the price applies.
.....QuantityRange (optional)..... The quantity range to which the unit price applies. If not specified, the price applies to all quantities.
.....@UnitOfMeasure..... *UOMCode* The unit of measurement in which the quantities are expressed.
.....Range..... The minimum and maximum quantities included in the range.
.....@Min (optional)..... *Decimal18_3* The minimum value included in the range. If not specified, there is no minimum value.
.....@Max (optional)..... *Decimal18_3* The maximum value included *in the range*. If not specified, there is no maximum.

.....ListOfPrice

Repeating element Price

.....Price
.....UnitPrice..... The product's unit price expressed in a specified currency.
.....@Currency..... *CurrencyCode* The ISO code for the currency in which the unit price is expressed.
.....UnitPrice..... *Decimal15_4* The price for one unit of the product.
.....UnitOfMeasure (optional)..... The unit of measurement in which the quantity is expressed.
.....UOMCode..... *UOMCode* The unit of measurement.
.....UOMCodeOther..... *string* The unit of measurement, specified if UOMCode has a value of "Other."

..... StartDate (optional).....*date* The first date that the price applies.
 EndDate (optional).....*date* The last date that the price applies.
 QuantityRange (optional).....The quantity range to which the unit price applies. If not specified, the price applies to all quantities.
 @UnitOfMeasure.....*UOMCode* The unit of measurement in which the quantities are expressed.
 Range.....The minimum and maximum quantities included in the range.
 @Min (optional).....*Decimal18_3* The minimum value included in the range. If not specified, there is no minimum value.
 @Max (optional).....*Decimal18_3* The maximum value included *in the range*. If not specified, there is no maximum.

End of repeating element Price

.....ListOfAllowOrCharge (optional)

Repeating element AllowOrCharge

..... AllowOrCharge
 IsCharge.....*Boolean* True if the item is a tax, false if it is a discount.
 Basis.....*AllowOrChgBasis* The basis (None, Quantity, Percent, Money, or Tax) for the allowance or charge.
 SeqNo.....*int* The order in which this allowance or charge is applied, relative to other allowances and charges.
 Desc
 AllowOrChgDesc
 RefID (optional).....*string* The supplier's code number for the charge or allowance.
 ListOfDescription (optional).....One or more descriptions of the allowance or charge. Each description must be in a different language.
Description.....*string* A description of the allowance or charge.
 @Lang.....*LangCode* The language in which the description is written.
 ServiceCode.....*AllowOrChgServCode* The service (None, PickUp, COD, or Handling) with which the allowance or charge is associated.
 StartDate (optional).....*date* The first date that the allowance or charge applies.
 EndDate (optional).....*date* The last date that the allowance or charge applies.

You may choose one of the following: QuantityRange or MoneyRange

..... QuantityRange (optional)
 Range.....The quantity that must be ordered for the allowance or charge to apply.
 Min.....*Decimal18_3* The minimum quantity to which the allowance or charge applies.
 Max.....*Decimal18_3* The maximum quantity to which the allowance or charge applies.
 @UnitOfMeasure.....*UOMCode* The unit of measurement in which the minimum and maximum quantities are expressed.

Or

..... MoneyRange (optional).....The monetary amount that must be ordered for the allowance or charge to apply.

..... @Min.....*Decimal18_3* The minimum monetary amount to which the allowance or charge applies.
 @Max.....*Decimal18_3* The maximum monetary amount to which the allowance or charge applies.
 @Currency.....*CurrencyCode* The currency in which the minimum and maximum amounts are expressed.

End of choice between QuantityRange and MoneyRange

You MUST choose one of the following: Quantity, Money, Percent, or Tax

..... Quantity
 Qty.....*Decimal15_3* The quantity of the product supplied free of charge.
 UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
 UOMCode.....*UOMCode* The unit of measurement.
 UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

Or

..... Money.....The discount, expressed as a monetary amount.
 @Currency.....*CurrencyCode* The currency in which the discount is expressed.

Or

..... Percent.....*Decimal10_4* The discount expressed as a percentage of cost.

Or

..... Tax
 TaxPercent.....*Decimal10_4* The rate of taxation.
 Location.....*string* The location of the taxing entity.
 TaxId (optional).....*string* The tax identification number.
 TaxAmount.....*Decimal18_3* The monetary amount of the tax.
 TaxableAmount.....*Decimal18_3* The monetary amount subject to taxation.
 @FuncQual.....*TaxFuncQual* The function (CustomsDuty or Tax) of the charge. The default value is Tax.
 @Category.....*TaxCategory* The tax category (Other, Mixed, Exempt, Standard, FreeExportItem, or Zero). The default value is Standard.
 @Type.....*TaxType* The tax type (GST or VAT). The default value is GST.

End of choice among Quantity, Money, Percent, and Tax

End of repeating element AllowOrCharge

Examples

```
<PriceCatDetail>
  <PriceAction>Add</PriceAction>

  <PartNum>
    <Agency AgencyID="CommerceOne" />
    <PartID>1732|12345||</PartID>
  </PartNum>
```



```

<ListOfDescription>
  <Description Lang="EN">500 sheets white paper, 20#</Description>
</ListOfDescription>

<RelatedParts>
  <AdditionalIDs>
    <ListOfPartNum>
      <PartNum>
        <Agency AgencyID="AssignedByBuyer" />
        <PartID>XYZ12345</PartID>
      </PartNum>
      <PartNum>
        <Agency AgencyID="AssignedBySupplier" />
        <PartID>12345</PartID>
      </PartNum>
    </ListOfPartNum>
  </AdditionalIDs>

  <SubstituteFor>
    <ListOfPartNum>
      <PartNum>
        <Agency AgencyID="AssignedBySupplier" />
        <PartID>12386</PartID>
        <PartIDExt>A</PartIDExt>
      </PartNum>
    </ListOfPartNum>
  </SubstituteFor>

  <OtherPartNums>
    <ListOfRelatedPartNum>
      <RelatedPartNum RelatedPartType="Version">
        <Agency AgencyID="AssignedBySupplier" />
        <PartID>123.2</PartID>
      </RelatedPartNum>
    </ListOfRelatedPartNum>
  </OtherPartNums>
</RelatedParts>

```

```

<LeadTimeDays>5</LeadTimeDays>

<LongDesc>
  <ListOfLangString>
    <LangString Lang="EN">A high quality paper product
      designed for professional printing.
    </LangString>
  </ListOfLangString>
</LongDesc>

<ListOfDescInfo>
  <DescInfo>
    <AttribCode>Color</AttribCode>
    <ValueCode>Red</ValueCode>
  </DescInfo>
</ListOfDescInfo>

<MinOrder>5</MinOrder>

<MaxOrder>1000</MaxOrder>

<LotSize>5</LotSize>

<ListOfProdAttribute>
  <ProdAttribute>
    <AttribName>
      <LangString Lang="EN">Fabric</LangString>
    </AttribName>
    <AttribValue>
      <LangString Lang="EN">Red</LangString>
    </AttribValue>
  </ProdAttribute>

  <ProdAttribute>
    <AttribName>
      <LangString Lang="EN">Drawer Height</LangString>
    </AttribName>

```

```

    <Measurement UnitOfMeasure="FOT">1.0</Measurement>
  </ProdAttribute>
</ListOfProdAttribute>

<ListOfAttachment>
  <Attachment Attachment="http://www.mysite.com/xyz.gif">
    <Purpose>Drawing</Purpose>
  </Attachment>
</ListOfAttachment>

<ListOfKeyVal>
  <KeyVal Keyword="User Level">Professional</KeyVal>
  <KeyVal Keyword="Rating">Four Stars</KeyVal>
</ListOfKeyVal>

<CategoryUNSPSC>04378821</CategoryUNSPSC>

<ListOfCategory>
  <Category>
    <CategoryID>Printers</CategoryID>
    <TreeName>SupplierTree</TreeName>
  </Category>
</ListOfCategory>

<CountryOfOrigin>US</CountryOfOrigin>

<ListOfSpecialCond>
  <SpecialCond>
    <CondCode>PriceIncludesTax</CondCode>
  </SpecialCond>
</ListOfSpecialCond>

<ListOfPrice>
  <Price>
    <UnitPrice Currency="USD">1.025</UnitPrice>
    <UnitOfMeasure>EA</UnitOfMeasure>
    <QuantityRange Min="1" Max="10" />
  </Price>

```

```
<Price>
  <UnitPrice Currency="USD">1.0</UnitPrice>
  <UnitOfMeasure>EA</UnitOfMeasure>
  <QuantityRange Min="11" />
</Price>
</ListOfPrice>
</PriceCatDetail>
```

PriceCatDetailActionCode

The PriceCatDetailActionCode datatype enumerates the values used to describe the action to be taken on a price catalog.

[Source Code](#) PriceCatDetail.mod on page 1141

Values

The following PriceCatDetailActionCode values have been defined:

- Add
- Change
- NoAction

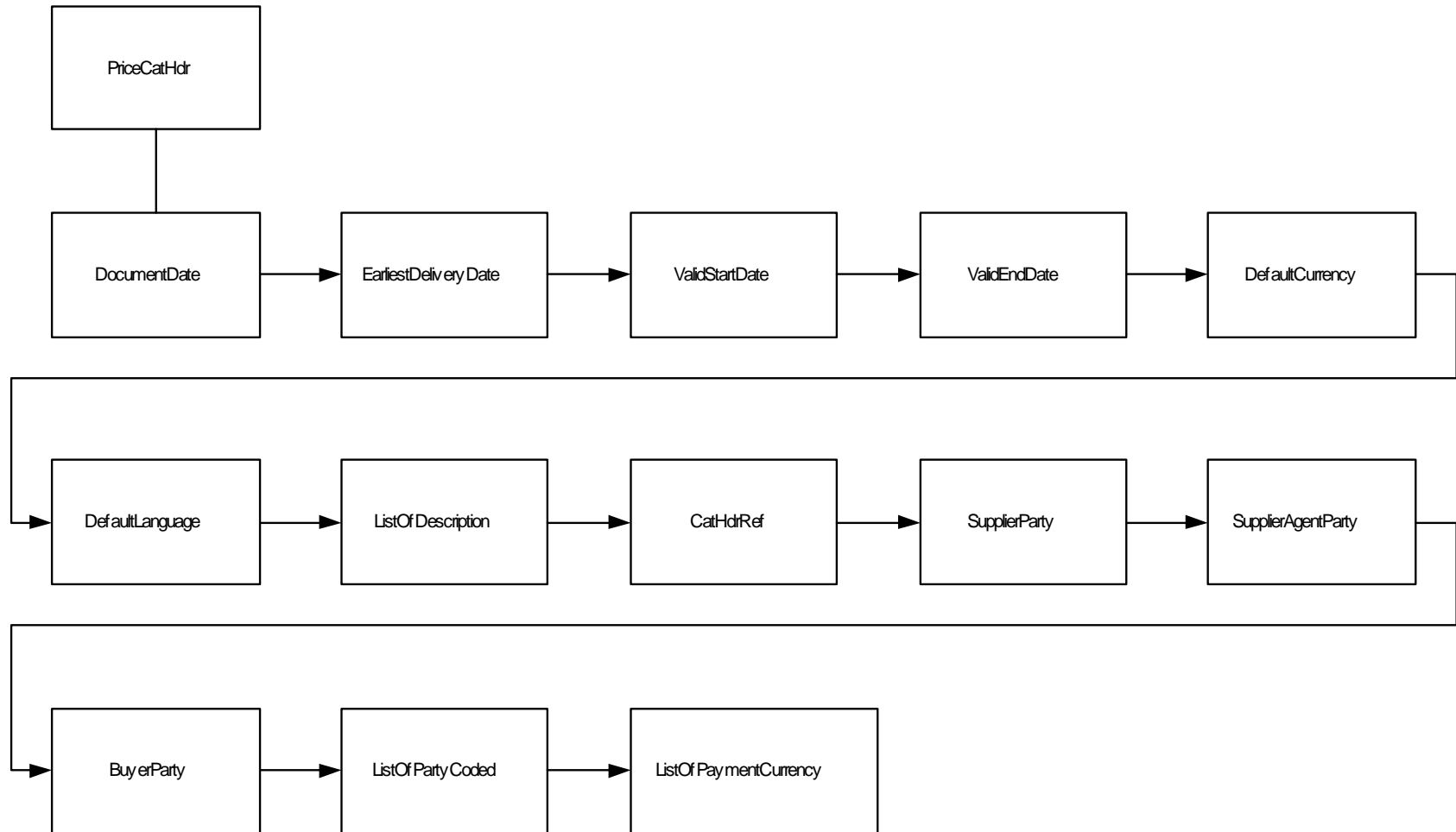
PriceCatHdr

The PriceCatHdr element contains general information about a price catalog. It consists of:

- A DocumentDate element, which contains the date the catalog was produced.
- An optional EarliestDeliveryDate element, which contains the earliest date the catalog can be delivered.
- An optional ValidStartDate element, which specifies the date that the catalog becomes valid. If not specified, this defaults to the DocumentDate.
- An optional ValidEndDate element, which specifies the date the catalog ceases to be valid. If not specified, this defaults to a date in the distant future.
- A DefaultCurrency element, which specifies the default currency for the catalog.
- A DefaultLanguage element, which specifies the default language for the catalog.
- A ListOfDescription element, which contains descriptions of the catalog in one or more languages.
- An optional CatHdrRef element, which identifies related documents.
- A SupplierParty element, which contains name and address information for the supplier.
- An optional SupplierAgentPart element, which contains name and address information for the supplier's agent.
- An optional BuyerParty element, which contains buyer name and address information for buyer-specific catalogs.
- An optional ListOfPartyCoded element, which contains name and address information for other parties.
- An optional ListOfPaymentCurrency element, which contains one or more additional currencies in which payment is accepted.

[Source Code](#) PriceCatHdr.mod on page 1145

Structure



Contents

PriceCatHdr

.....DocumentDate.....*date* The date the catalog was produced.

.....EarliestDeliveryDate (optional).....*date* The earliest date the catalog can be delivered. If not specified, this defaults to the DocumentDate.

.....ValidStartDate (optional).....*date* The date the catalog becomes valid. If not specified, this defaults to the DocumentDate.

.....ValidEndDate (optional).....*date* The last date the catalog is valid.

.....DefaultCurrency.....*CurrencyCode*The default currency in which monetary amounts are expressed.

.....DefaultLanguage.....*LangCode* The default language for the catalog.

.....ListOfDescription.....Descriptions of the catalog in one or more languages.

Repeating element Description

..... Description

..... @Lang

End of repeating element Description

.....CatHdrRef (optional).....Other documents that are related to the catalog.

..... CustRefNum (optional)

..... Reference

..... RefNum.....*string* The document being referenced.

..... RefDate (optional).....*datetime* The date of the reference.

..... ContractNum (optional)

..... Reference

..... RefNum.....*string* The document being referenced.

..... RefDate (optional).....*datetime* The date of the reference.

..... ProdCat (optional)

..... Reference

..... RefNum.....*string* The document being referenced.

..... RefDate (optional).....*datetime* The date of the reference.

..... PriceCat (optional)

..... Reference

..... RefNum.....*string* The document being referenced.

..... RefDate (optional).....*datetime* The date of the reference.

.....SupplierParty

..... Party

..... @PartyID.....*string* The identification number for the party.

..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier
 Agency
@AgencyID.....*AgencyCode* The standards agency.
@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.
 Identifier (optional)
 Agency
@AgencyID.....*AgencyCode* The standards agency.
@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.
 Name1.....*string* The first line of the name.
 Name2 (optional).....*string* The second line of the name.
 Name3 (optional).....*string* The third line of the name.
 Address1.....*string* The first line of the street address.
 Address2 (optional).....*string* The second line of the street address.
 Address3 (optional).....*string* The third line of the street address.
 Address4 (optional).....*string* The fourth line of the street address.
 Address5 (optional).....*string* The fifth line of the street address.
 City.....*string* The city.
 StateOrProvince.....*string* The state or province.
 PostalCode.....*string* The zip or postal code.
 Country.....*CountryCode* The two-character country code.
 OrderContact (optional)
 Contact
 Identifier (optional)
Agency
@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
 AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
 "Other."
Ident.....*string* The coded identifier.
 ContactName.....*string* The employee or department name.
 Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
 Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
 ReceivingContact (optional)
 Contact

..... Identifier (optional)
.....Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
..... Identifier (optional)
.....Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded
Repeating element ContactCoded
..... ContactCoded
.....Contact
..... Identifier (optional)
..... Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.

.....ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

.....SupplierAgentParty (optional)

.....Party

.....@PartyID.....*string* The identification number for the party.

.....@AgencyID.....*AgencyCode* The agency that issued the party's identification number.

.....@AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

.....ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier

.....Agency

.....@AgencyID.....*AgencyCode* The standards agency.

.....@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

End of repeating element Identifier

.....NameAddress (optional).....Name and address information for the party.

.....Identifier (optional)

.....Agency

.....@AgencyID.....*AgencyCode* The standards agency.

.....@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....Name1.....*string* The first line of the name.

.....Name2 (optional).....*string* The second line of the name.

.....Name3 (optional).....*string* The third line of the name.

.....Address1.....*string* The first line of the street address.

.....Address2 (optional).....*string* The second line of the street address.

.....Address3 (optional).....*string* The third line of the street address.

.....Address4 (optional).....*string* The fourth line of the street address.

.....Address5 (optional).....*string* The fifth line of the street address.

.....City.....*string* The city.

.....StateOrProvince.....*string* The state or province.

.....PostalCode.....*string* The zip or postal code.

.....Country.....*CountryCode* The two-character country code.

.....OrderContact (optional)

.....Contact

.....Identifier (optional)

.....Agency

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ReceivingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Fax (optional).....*string* The FAX number.

..... OtherContacts (optional)
..... ListOfContactCoded
Repeating element ContactCoded
..... ContactCoded
..... Contact

.....Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
.....ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

.....BuyerParty (optional)
..... Party
..... @PartyID.....*string* The identification number for the party.
..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

.....ListOfIdentifier (optional)
Repeating element Identifier

..... Identifier
..... Agency
.....@AgencyID.....*AgencyCode* The standards agency.
.....@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.

End of repeating element Identifier

.....NameAddress (optional).....Name and address information for the party.
..... Identifier (optional)
..... Agency
.....@AgencyID.....*AgencyCode* The standards agency.
.....@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
.....Name1.....*string* The first line of the name.
.....Name2 (optional).....*string* The second line of the name.
.....Name3 (optional).....*string* The third line of the name.
.....Address1.....*string* The first line of the street address.
.....Address2 (optional).....*string* The second line of the street address.

..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
..... OrderContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
Ident.....*string* The coded identifier.
 ContactName.....*string* The employee or department name.
 Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
 Fax (optional).....*string* The FAX number.
 OtherContacts (optional)
 ListOfContactCoded

Repeating element ContactCoded

..... ContactCoded
Contact
Identifier (optional)
 Agency
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
 @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.
 ContactName.....*string* The employee or department name.
 Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
 Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

.....ListOfPartyCoded (optional)

Repeating element PartyCoded

..... PartyCoded
 Party
 @PartyID.....*string* The identification number for the party.
 @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
 @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.
 ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier
Agency
@AgencyID.....*AgencyCode* The standards agency.
@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.

..... Identifier (optional)

.....Agency

..... @AgencyID.....*AgencyCode* The standards agency.

..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

..... Name1.....*string* The first line of the name.

..... Name2 (optional).....*string* The second line of the name.

..... Name3 (optional).....*string* The third line of the name.

..... Address1.....*string* The first line of the street address.

..... Address2 (optional).....*string* The second line of the street address.

..... Address3 (optional).....*string* The third line of the street address.

..... Address4 (optional).....*string* The fourth line of the street address.

..... Address5 (optional).....*string* The fifth line of the street address.

..... City.....*string* The city.

..... StateOrProvince.....*string* The state or province.

..... PostalCode.....*string* The zip or postal code.

..... Country.....*CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

.....Identifier (optional)

.....Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... ReceivingContact (optional)

..... Contact

.....Identifier (optional)

.....Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... ShippingContact (optional)

..... Contact

.....Identifier (optional)

.....Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... OtherContacts (optional)

..... ListOfContactCoded

Repeating element ContactCoded

.....ContactCoded

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... PartyRole.....*PartyRoleCode* The role of the party. One of the following values: Buyer, Supplier, CentralCatParty, StoreNumber, SuppAgent, ProdInqNum, or Other.

..... PartyRoleOther (optional).....*string* The role of the party, specified if the value of PartyRole is Other.

End of repeating element PartyCoded

.....ListOfPaymentCurrency (optional).....One or more additional currencies in which ayment is accepted.

..... PaymentCurrency

Examples

```
<PriceCatHdr>
  <DocumentDate>19990509</DocumentDate>
  <DefaultCurrency>USD</DefaultCurrency>
  <DefaultLanguage>EN</DefaultLanguage>
  <ListOfDescription>
    <Description Lang="EN">Catalog Description</Description>
  </ListOfDescription>
  <SupplierParty>
    <Party AgencyID="CommerceOne" PartyID="1732" />
  </SupplierParty>
</PriceCatHdr>
```

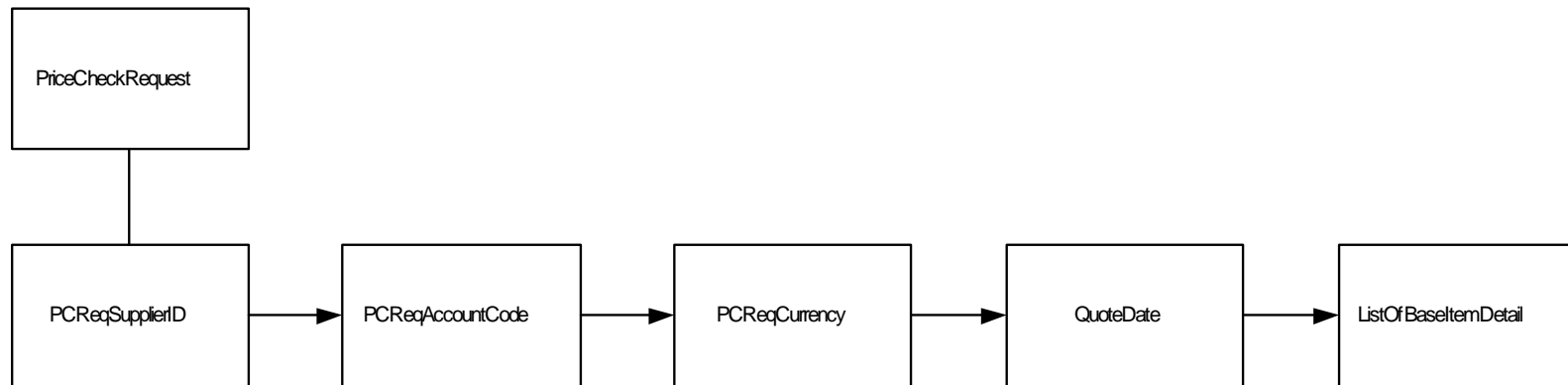
PriceCheckRequest

The PriceCheckRequest element contains a list of order items whose price is being requested. It consists of:

- A PCReqSupplierID element, which identifies the supplier of the goods.
- A PCReqAccountCode element, which identifies the buyer's account code with this supplier.
- A PCReqCurrency element, which identifies the currency in which the prices must be expressed.
- A QuoteDate element, which specifies the date of the price quote.
- An optional ListOfBaseltemDetail element, which contains the list of items whose price is being queried.

[Source Code](#) PriceCheckRequest.sox on page 1148

Structure



Contents

PriceCheckRequest
.....PCReqSupplierID.....The supplier of the goods.
.....Reference
.....RefNum.....*string* The document being referenced.

..... RefDate (optional).....*datetime* The date of the reference.
PCReqAccountCode.....The buyer's account code with this supplier.
 Reference
 RefNum.....*string* The document being referenced.
 RefDate (optional).....*datetime* The date of the reference.
PCReqCurrency.....*CurrencyCode* The currency in which prices are expressed.
QuoteDate.....*datetime* The date of the price quote.
ListOfBaseItemDetail (optional).....The items whose price is being queried.

Repeating element BaseItemDetail

..... BaseItemDetail
 LineItemNum.....The line number on which the item appears in the order.
 SubLineItemNum (optional).....
 SupplierPartNum (optional).....The supplier's part number for this item.
 PartNum
 Agency.....The agency that assigned the supplier's part number.
@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
@AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."
 PartID.....*string* The unique identifier for the part.
 PartIDExt (optional).....*string* The part number extension.
 BuyerPartNum (optional).....The buyer's part number for this item.

 PartNum
 Agency.....The agency that assigned the buyer's part number.
@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
@AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
 PartID.....*string* The unique identifier for the part.
 PartIDExt (optional).....*string* The part number extension.
 ManufacturerPartNum (optional)
 PartNum
 Agency
@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part number.
@AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."
 PartID.....*string* The unique identifier for the part.
 PartIDExt (optional).....*string* The part number extension.
 CommodityCode (optional)

..... ItemDescription (optional)
..... Quantity (optional)
..... Qty.....*Decimal15_3* The total quantity of the item that was ordered.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... MaxBackOrderQuantity (optional)
..... Quantity
..... Qty.....*Decimal15_3* The maximum acceptable backordered quantity for this item.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... FinalRecipient (optional)
..... Party
..... @PartyID
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... ListOfIdentifier (optional)
..... Identifier
..... Agency
..... @AgencyID..... *AgencyCode* The agency responsible for issuing the identifier.
..... @AgencyOther... *string* The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."
..... Ident
..... NameAddress (optional)
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.

.....StateOrProvince.....*string* The state or province.
.....PostalCode.....*string* The zip or postal code.
.....Country.....*CountryCode* The two-character country code.
..... OrderContact (optional)
.....Contact
.....Identifier (optional).....The order contact's identification number.
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification
number.
..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value
of "Other."
..... Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
.....Contact
.....Identifier (optional).....The receiving contact's identification number.
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value
of "Other."
..... Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
.....Contact
.....Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value
of "Other."
..... Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.
Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
Email (optional).....*string* The 1 to 80 character email address.
Fax (optional).....*string* The FAX number.
 OtherContacts (optional)
ListOfContactCoded

Repeating element ContactCoded

.....ContactCoded
 Contact
 Identifier (optional)
 Agency
@AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.
@AgencyOther...*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.
 ContactName.....*string* The employee or department name.
 Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
 Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
 ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... Transport (optional)
 @Direction.....*TransitDirection* The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).
 Mode (optional).....*TransportMode* The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.
 TransportModeOther (optional).....*string* A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.
 Mean (optional).....*TransportMean* The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.
 TransportMeanOther (optional).....*string* 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.
 Carrier (optional).....*CarrierCode* The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other
 CarrierOther (optional).....*string* The name of the carrier, specified if the value of Carrier is Other.
 CustShippingContractNum (optional).....*string* The 1 to 35 character shipping contract number.
 ShippingInstruction (optional).....*string* Brief (up to 256 characters) shipping instructions.
 OffCatalogFlag.....*Boolean* True if the item appears in the product catalog; false if it does not.

End of repeating element BaseItemDetail

Examples

```
<?soxtype PriceCheckRequest urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0?>
```

```
<!-- Instance of PriceCheckRequest -->
```

```
<PriceCheckRequest>  
  <PriceCheckHeader>  
    <!-- The supplier of the PartKeys to be quoted-->  
    <SupplierID>  
      <Reference>  
        <RefNum>OD1233</RefNum>  
      </Reference>  
    </SupplierID>  
  
    <!-- The buyer account code -->  
    <AccountCode>  
      <Reference>  
        <RefNum>OD11222S</RefNum>  
      </Reference>  
    </AccountCode>  
  
    <!-- The requested Currency -->  
    <Currency>USD</Currency>  
  
    <!-- The quote date -->  
    <QuoteDate>19990809T01:01:01</QuoteDate>  
  </PriceCheckHeader>  
  
  <!-- A list of order items: PartKey, quantity-->  
  <ListOfBaseItemDetail>  
    <BaseItemDetail>  
      <LineItemNum>1</LineItemNum>  
      <SupplierPartNum>  
        <PartNum>  
          <Agency AgencyID="AssignedBySupplier" />  
        <PartID>PK122122</PartID>
```



```
        </PartNum>
    </SupplierPartNum>
    <Quantity>
        <Qty>10</Qty>
        <UnitOfMeasure>EA</UnitOfMeasure>
    </Quantity>
</BaseItemDetail>

<BaseItemDetail>
    <LineItemNum>2</LineItemNum>
    <SupplierPartNum>
        <PartNum>
            <Agency AgencyID="AssignedBySupplier" />
            <PartID>PK122122</PartID>
        </PartNum>
    </SupplierPartNum>
    <Quantity>
        <Qty>1</Qty>
        <UnitOfMeasure>EA</UnitOfMeasure>
    </Quantity>
</BaseItemDetail>
</ListOfBaseItemDetail>

</PriceCheckRequest>
```

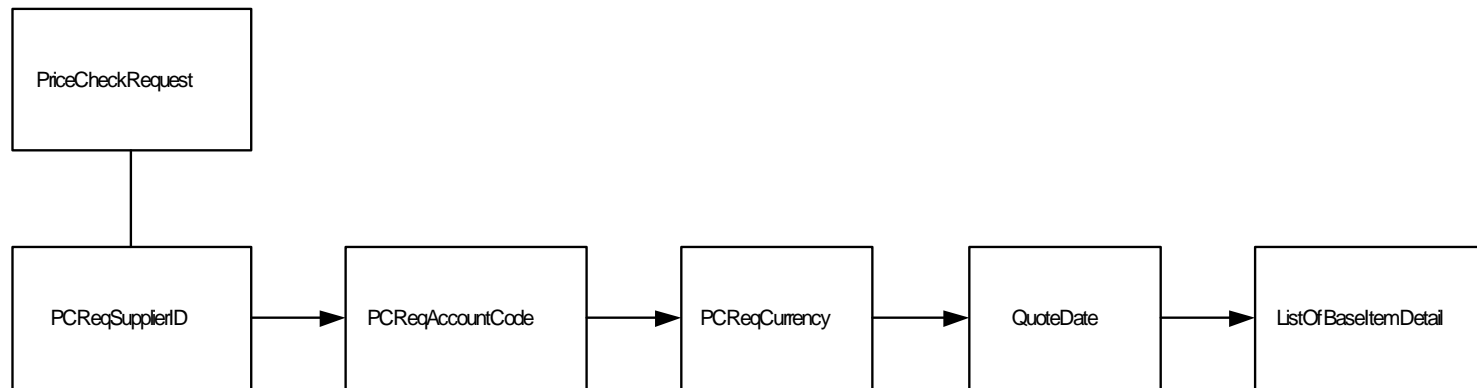
PriceCheckResult

The PriceCheckResult element returns the list of prices requested by a PriceCheckRequest element. It consists of:

- A PriceCheckHeader element, which identifies the items whose prices are being checked.
- An optional ListOfPriceResultItem element, which contains a list of items and the prices at which they are offered by the supplier to this buyer.
- A PriceCheckSummary element, which contains the number of errors in the result.

[Source Code](#) PriceCheckResult.sox on page 1150

Structure



Contents

PriceCheckResult

.....PriceCheckHeader

.....ListOfPriceResultItem (optional)..... A list of items and their prices.

Repeating element PriceResultItem

..... PriceResultItem

..... QuotedItem

..... BaseItemDetail

..... LineItemNum..... *int* The line number on which the item appears in the order.

..... SubLineItemNum (optional)..... *int*

..... SupplierPartNum (optional)..... The supplier's part number for this item.

.....PartNum
.....Agency.....The agency that assigned the supplier's part number.
..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther..... *string* The standards agency, specified when AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... BuyerPartNum (optional).....The buyer's part number for this item.

.....PartNum
.....Agency.....The agency that assigned the buyer's part number.
..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... ManufacturerPartNum (optional)

.....PartNum
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part number.
..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... CommodityCode (optional).....*string* The item's commodity code.
..... ItemDescription (optional).....*string* A description of the item.
..... Quantity (optional)
..... Qty.....*Decimal15_3* The total quantity of the item that was ordered.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... MaxBackOrderQuantity (optional)
.....Quantity
..... Qty.....*Decimal15_3* The maximum acceptable backordered quantity for this item.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... FinalRecipient (optional)

.....Party
..... @PartyID
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....ListOfIdentifier (optional)
Repeating element Identifier
..... Identifier
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
..... @AgencyOther.....*string* The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."

..... Ident
End of repeating element Identifier
.....NameAddress (optional)
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
.....OrderContact (optional)
..... Contact
..... Identifier (optional).....The order contact's identification number.
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification number.

.....@AgencyOther...*string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

.....ReceivingContact (optional)
..... Contact
..... Identifier (optional).....The receiving contact's identification number.

..... Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.

.....@AgencyOther...*string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

.....ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.

.....@AgencyOther...*string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

.....OtherContacts (optional)
.....ListOfContactCoded
Repeating element ContactCoded
..... ContactCoded
..... Contact
.....Identifier (optional)

.....Agency
..... @AgencyID.AgencyCode The agency responsible for issuing part numbers.
..... @AgencyOtherstring The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....string The coded identifier.
.....ContactName.....string The employee or department name.
.....Telephone.....string The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....string The 1 to 80 character email address.
.....Fax (optional).....string The FAX number.
..... ContactFunctionCodeContactFunctionCode The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... Transport (optional)
.....@Direction.....TransitDirection The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).
.....Mode (optional).....TransportMode The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.
.....TransportModeOther (optional).....string A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.
.....Mean (optional).....TransportMean The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.
.....TransportMeanOther (optional).....string 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.
.....Carrier (optional).....CarrierCode The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other
.....CarrierOther (optional).....string The name of the carrier, specified if the value of Carrier is Other.
.....CustShippingContractNum (optional).....string The 1 to 35 character shipping contract number.
.....ShippingInstruction (optional).....string Brief (up to 256 characters) shipping instructions.
..... OffCatalogFlag.....Boolean True if the item appears in the product catalog; false if it does not.

.....ResultPrice
..... Price
..... UnitPrice.....The product's unit price expressed in a specified currency.
..... @Currency.....CurrencyCode The ISO code for the currency in which the unit price is expressed.
..... UnitPrice.....Decimal15_4 The price for one unit of the product.
..... UnitOfMeasure (optional).....The unit of measurement in which the quantity is expressed.
..... UOMCode.....UOMCode The unit of measurement.
..... UOMCodeOther.....string The unit of measurement, specified if UOMCode has a value of "Other."
..... StartDate (optional).....date The first date that the price applies.
..... EndDate (optional).....date The last date that the price applies.

..... QuantityRange (optional).....The quantity range to which the unit price applies. If not specified, the price applies to all quantities.

..... @UnitOfMeasure.....*UOMCode* The unit of measurement in which the quantities are expressed.

..... Range.....The minimum and maximum quantities included in the range.

..... @Min (optional).....*Decimal18_3* The minimum value included in the range. If not specified, there is no minimum value.

..... @Max (optional).....*Decimal18_3* The maximum value included *in the range*. If not specified, there is no maximum

PriceErrorInfo (optional)

..... ErrorInfo

..... CompletionCode.....*string* The error code.

..... CompletionMsg

..... LangString.....*string* The error message.

..... @Lang.....*LangCode* The ISO code for the language in which the message is written.

..... Severity.....*SeverityCode* The severity of the error. one of the following values: Informational, Warning, Diagnostic, Transient, Error, Warning, or Other.

..... ListOfParameter (optional).....One or more parameters specifying additional information about the error.

..... MinRetrySecs (optional).....*int* The number of seconds a caller must wait before sending a retry request.

..... SwVendorErrorRef (optional).....*string* The location of the code that generated the error.

..... PriceCheckSummary

..... PriceCheckItemErrors.....*int* The number of errors returned.

Examples

```
<?soxtype PriceCheckResult urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0?>
```

```
<!-- Instance of PriceCheckResult -->
```

```
<PriceCheckResult>
  <PriceCheckHeader>
    <!-- The supplier of the PartKeys to be quoted-->
    <SupplierID>
      <Reference>
        <RefNum>OD1233</RefNum>
      </Reference>
    </SupplierID>

    <!-- The buyer account code -->
    <AccountCode>
      <Reference>
```

```

    <RefNum>OD11222S</RefNum>
  </Reference>
</AccountCode>

<!-- The requested Currency -->
<Currency>USD</Currency>

<!-- The quote date -->
<QuoteDate>19990805T01:01:01</QuoteDate>
</PriceCheckHeader>

<ListOfPriceResultItem>

<PriceResultItem>

  <!-- A list of order items: PartKey, quantity-->
  <QuotedItem>
    <BaseItemDetail>
      <LineItemNum>1</LineItemNum>
      <SupplierPartNum>
        <PartNum>
          <Agency AgencyID="AssignedBySupplier" />
          <PartID>PK122122</PartID>
        </PartNum>
      </SupplierPartNum>
      <Quantity>
        <Qty>10</Qty>
        <UnitOfMeasure>EA</UnitOfMeasure>
      </Quantity>
    </BaseItemDetail>
  </QuotedItem>

  <ResultPrice>
    <Price>
      <UnitPrice Currency="USD">19.25</UnitPrice>
    </Price>
  </ResultPrice>

</PriceResultItem>

```



```
<PriceResultItem>
  <QuotedItem>
    <BaseItemDetail>
      <LineItemNum>2</LineItemNum>
      <SupplierPartNum>
        <PartNum>
          <Agency AgencyID="CommerceOne" />
          <PartID>PK122122</PartID>
        </PartNum>
      </SupplierPartNum>
      <Quantity>
        <Qty>1</Qty>
        <UnitOfMeasure>EA</UnitOfMeasure>
      </Quantity>
    </BaseItemDetail>
  </QuotedItem>
  <ResultPrice>
    <Price>
      <UnitPrice Currency="USD">19.95</UnitPrice>
    </Price>
  </ResultPrice>
</PriceResultItem>
</ListOfPriceResultItem>
<PriceCheckSummary>
  <PriceCheckItemErrors>0</PriceCheckItemErrors>
</PriceCheckSummary>
</PriceCheckResult>
```

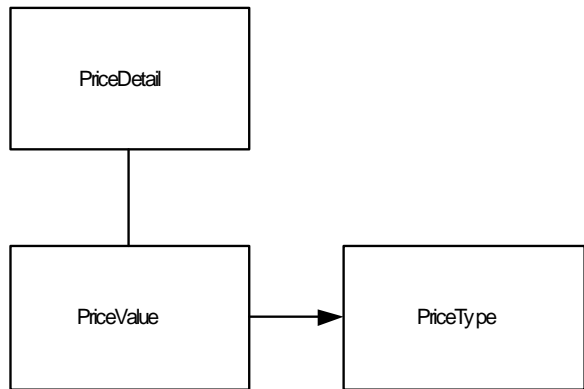
PriceDetail

The PriceDetail element contains information about the price of an item. It consists of:

- A PriceValue element, which contains the item's price.
- A PriceType element, which indicates the type (Catalogue or Contract) of price.

[Source Code](#) PriceDetails.mod on page 1153

Structure



Contents

PriceDetail

.....PriceValue.....*Decimal15_4* The price of the product.

.....PriceType.....*PriceTypeCode* The type of price. One of the following values: Catalogue or Contract.

Examples

```
<?xml version="1.0"?>
```

```
<PriceDetail>
```

```
  <PriceValue>0000000012.2500</PriceValue>
```

```
  <PriceType>Contract</PriceType>
```

```
</PriceDetail>
```

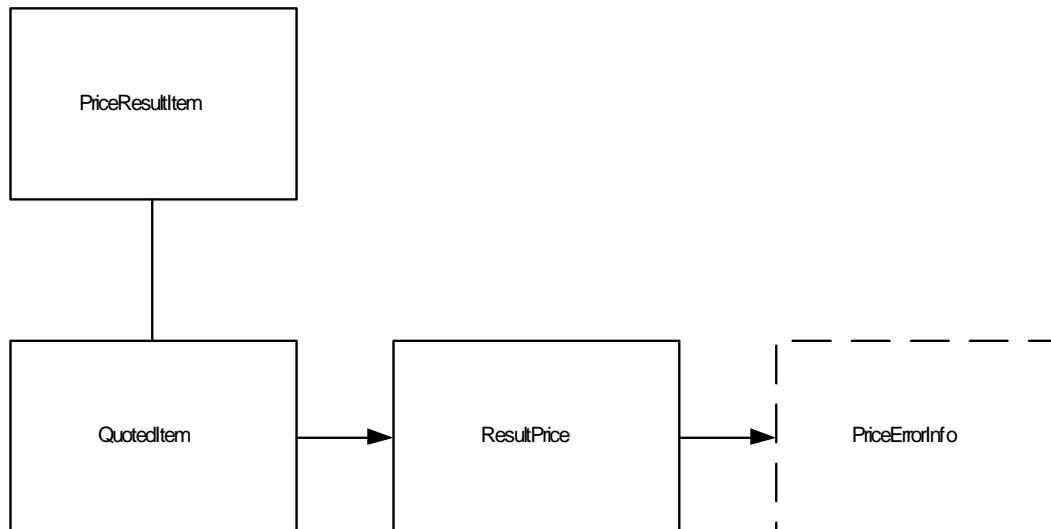
PriceResultItem

The PriceResultItem element contains the contract price for an item. It consists of:

- A QuotedItem element, which identifies the item whose price is being quoted.
- A ResultPrice element, which contains the contract price for the item.
- An optional PriceErrorInfo element, which contains error information returned by the price check.

[Source Code](#) PriceCheckResult.sox on page 1150

Structure



Contents

PriceResultItem
.....QuotedItem
..... BaseItemDetail
..... LineItemNum.....*int* The line number on which the item appears in the order.

..... SubLineItemNum (optional).....*int*

..... SupplierPartNum (optional).....The supplier's part number for this item.

..... PartNum

..... Agency.....The agency that assigned the supplier's part number.

.....@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

.....@AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... BuyerPartNum (optional).....The buyer's part number for this item.

..... PartNum

..... Agency.....The agency that assigned the buyer's part number.

.....@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

.....@AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... ManufacturerPartNum (optional)

..... PartNum

..... Agency

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part number.

.....@AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... CommodityCode (optional).....*string* The item's commodity code.

..... ItemDescription (optional).....*string* A description of the item.

..... Quantity (optional)

..... Qty.....*Decimal15_3* The total quantity of the item that was ordered.

..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

..... MaxBackOrderQuantity (optional)

..... Quantity

..... Qty.....*Decimal15_3* The maximum acceptable backordered quantity for this item.

..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

.....UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

..... FinalRecipient (optional)

..... Party

..... @PartyID

..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... ListOfIdentifier (optional)

.....Identifier

.....Agency

..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.

..... @AgencyOther.....*string* The agency responsible for issuing the identifier, used when AgencyID has a value of "Other."

.....Ident

..... NameAddress (optional)

.....Identifier (optional)

.....Agency

..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.

..... @AgencyOther.....*string* The standards agency, specified when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

.....Name1.....*string* The first line of the name.

.....Name2 (optional).....*string* The second line of the name.

.....Name3 (optional).....*string* The third line of the name.

.....Address1.....*string* The first line of the street address.

.....Address2 (optional).....*string* The second line of the street address.

.....Address3 (optional).....*string* The third line of the street address.

.....Address4 (optional).....*string* The fourth line of the street address.

.....Address5 (optional).....*string* The fifth line of the street address.

.....City.....*string* The city.

.....StateOrProvince.....*string* The state or province.

.....PostalCode.....*string* The zip or postal code.

.....Country.....*CountryCode* The two-character country code.

..... OrderContact (optional)

.....Contact

..... Identifier (optional).....The order contact's identification number.

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ReceivingContact (optional)
.....Contact
..... Identifier (optional).....The receiving contact's identification number.

..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ShippingContact (optional)
.....Contact
..... Identifier (optional)

..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... OtherContacts (optional)
.....ListOfContactCoded
Repeating element ContactCoded
.....ContactCoded
..... Contact
..... Identifier (optional)

..... Agency
.....@AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.
.....@AgencyOther...*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... Transport (optional)
..... @Direction.....*TransitDirection* The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).
..... Mode (optional).....*TransportMode* The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.
..... TransportModeOther (optional).....*string* A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.
..... Mean (optional).....*TransportMean* The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.
..... TransportMeanOther (optional).....*string* 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.
..... Carrier (optional).....*CarrierCode* The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other
..... CarrierOther (optional).....*string* The name of the carrier, specified if the value of Carrier is Other.
..... CustShippingContractNum (optional).....*string* The 1 to 35 character shipping contract number.
..... ShippingInstruction (optional).....*string* Brief (up to 256 characters) shipping instructions.
..... OffCatalogFlag.....*Boolean* True if the item appears in the product catalog; false if it does not.
.....ResultPrice
..... Price
..... UnitPrice.....The product's unit price expressed in a specified currency.
..... @Currency.....*CurrencyCode* The ISO code for the currency in which the unit price is expressed.
..... UnitPrice.....*Decimal15_4* The price for one unit of the product.
..... UnitOfMeasure (optional).....The unit in which the product is measured.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... StartDate (optional).....*date* The first date that the price applies.
..... EndDate (optional).....*date* The last date that the price applies.

..... QuantityRange (optional).....The quantity range to which the unit price applies. If not specified, the price applies to all quantities.

..... @UnitOfMeasure.....*UOMCode* The unit of measurement in which the quantities are expressed.

..... Range.....The minimum and maximum quantities included in the range.

..... @Min (optional).....*Decimal18_3* The minimum value included in the range. If not specified, there is no minimum value.

..... @Max (optional).....*Decimal18_3* The maximum value included *in the range*. If not specified, there is no maximum.

.....PriceErrorInfo (optional)

..... ErrorInfo

..... CompletionCode.....*string* The error code.

..... CompletionMsg

..... LangString.....*string* The error message.

..... @Lang.....*LangCode* The ISO code for the language in which the message is written.

..... Severity.....*SeverityCode* The severity of the error. one of the following values: Informational, Warning, Diagnostic, Transient, Error, Warning, or Other.

..... ListOfParameter (optional).....One or more parameters specifying additional information about the error.

..... MinRetrySecs (optional).....*int* The number of seconds a caller must wait before sending a retry request.

..... SwVendorErrorRef (optional).....*string* The location of the code that generated the error.

Examples

<PriceResultItem>

```

    <QuotedItem>
      <BaseItemDetail>
        <LineItemNum>2</LineItemNum>
        <SupplierPartNum>
          <PartNum>
            <Agency AgencyID="CommerceOne" />
            <PartID>PK122122</PartID>
          </PartNum>
        </SupplierPartNum>
        <Quantity>
          <Qty>1</Qty>
          <UnitOfMeasure>EA</UnitOfMeasure>
        </Quantity>
      </BaseItemDetail>
    </QuotedItem>

```



```
<ResultPrice>
  <Price>
    <UnitPrice Currency="USD">19.95</UnitPrice>
  </Price>
</ResultPrice>

</PriceResultItem>
```

PriceTypeCode

The PriceTypeCode datatype enumerates the codes that describe the origin of a price.

[Source Code](#) PriceDetails.mod on page 1153

Values

The following PriceTypeCode values have been defined:

- Catalogue
- Contract

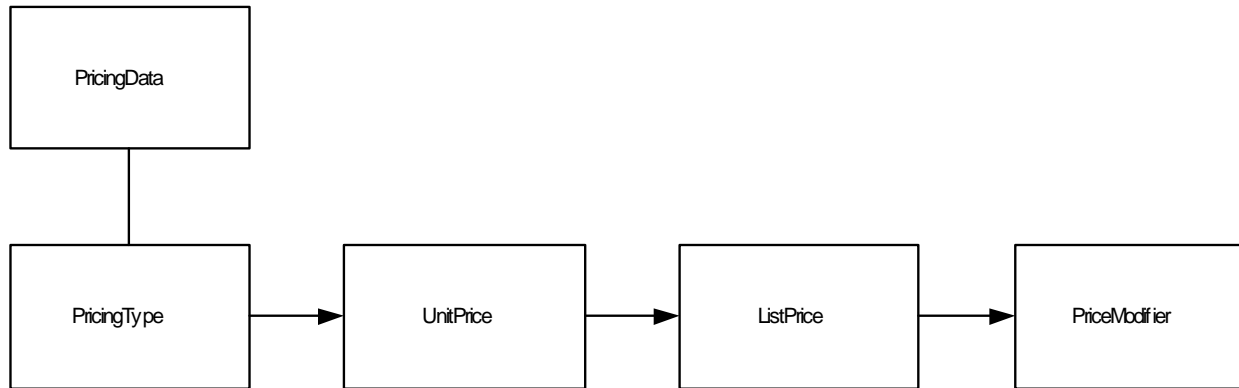
PricingData

The PricingData element contains information about pricing rules such as FixedPrice, CostPlus, DiscountFromListPrice, and NoCost. It consists of:

- A PricingType element, which identifies the pricing type (FixedPrice, CostPlus, DiscountFromListPrice, or NoCost).
- A UnitPriceInfo element, which specifies the unit price.
- A ListPriceInfo element, which specifies the current list price.
- A PriceModifier element, which specifies the value by which the list price must be multiplied to calculate the unit price.

[Source Code](#) PricingData.sox on page 1155

Structure



Contents

PricingData

.....PricingType.....	<i>PricingTypeOptions</i> One of the following pricing types: FixedPrice, CostPlus, DiscountFromListPrice, or NoCost. For MarketSite, use FixedPrice.
.....UnitPriceInfo.....	<i>Money</i> The unit price. If PricingType is FixedPrice, this is the contract price. If PricingType is CostPlus, this is the manufacturer's cost. If PricingType is DiscountFromListPrice, this is the list price. If PricingType is NoCost, this has a value of 0.0.
.....ListPriceInfo.....	<i>Money</i> The list price.

.....PriceModifier.....*double* The value by which the list price is multiplied to calculate the unit price. For example, if there is a 50% markup, the PriceModifier would have a value of 1.5.

Examples

```
<?xml version="1.0"?>
<?soxtype urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0?>
<PricingData>
  <PricingType>FixedPrice</PricingType>
  <UnitPriceInfo>
    <Money CurrencyOther="USD">00000000288.4475</Money>
  </UnitPriceInfo>
  <ListPriceInfo>
    <Money CurrencyOther="USD">00000000154.2500</Money>
  </ListPriceInfo>
  <PriceModifier>1.87</PriceModifier></PricingData>
```

PricingTypeOptions

The PricingTypeOptions datatype enumerates the values used to describe pricing types.

[Source Code](#) PricingData.sox on page 1155

Values

The following PricingTypeOptions values have been defined:

- FixedPrice
- CostPlus
- DiscountFromListPrice
- NoCost

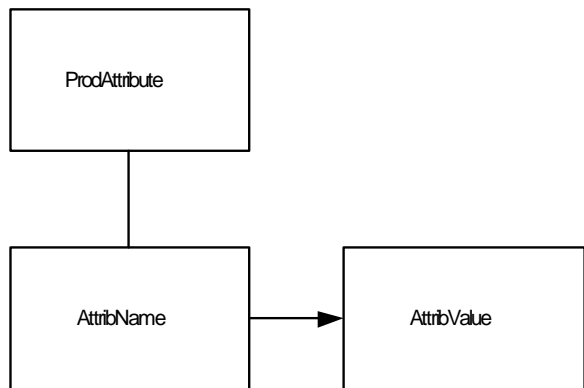
ProdAttribute

The ProdAttribute element contains the name and value of a product attribute. It consists of:

- An `AttribName` element, which specifies the attribute name in text, or a `CodedAttribname`, which specifies the attribute as a coded value.
- An `AttribValue` element, which specifies the attribute value as text, or a `CodedAttribValue`, which specifies the attribute as a coded value, or a `Measurement` element which specifies the attribute as a measurement.

[Source Code](#) ProdAttribute.mod on page 1158

Structure



Contents

ProdAttribute

You MUST choose one of the following: `CodedAttribName` or `AttribName`

.....`CodedAttribName` (optional)..... *CodedValue* The code that represents the attribute.

..... `CodedValue`

..... `Agency`

..... `@AgencyID`..... *AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.

..... @AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.

..... CodeList (optional).....*string* The name or description of the code list.

..... Value.....*string* The coded value.

Or

.....AttribName (optional).....The name of the attribute.

..... LangString.....*string* A text string.

..... @Lang.....*LangCode* The ISO code for the language in which the text string is written.

End of choice between CodedAttribName and AttribName

You MUST choose one of the following: CodedAttribValue, AttribValue, or Measurement

.....CodedAttribValue (optional)..... The code that represents the attribute's value.

..... CodedValue

..... Agency

..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.

..... @AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.

..... CodeList (optional).....*string* The name or description of the code list.

..... Value.....*string* The coded value.

Or

.....AttribValue (optional).....The attribute value in text.

..... LangString.....*string* A text string.

..... @Lang.....*LangCode* The ISO code for the language in which the text string is written.

Or

.....Measurement (optional).....*Decimal18_3* The measured value of the attribute.

..... @UnitOfMeasurement.....*UOMCode* The unit of measurement (for example, feet).

..... @Equality.....*EqualityCode* The relationship of the measured property to the unit of measurement

End of choice among CodedAttribValue, AttribValue, and Measurement

Examples

```
<ProdAttribute>
```

```
  <AttribName>
```

```
    <LangString Lang="EN">Fabric</LangString>
```

```
  </AttribName>
```

```
  <AttribValue>
```

```
    <LangString Lang="EN">Red</LangString>
```

</AttribValue>
</ProdAttribute>

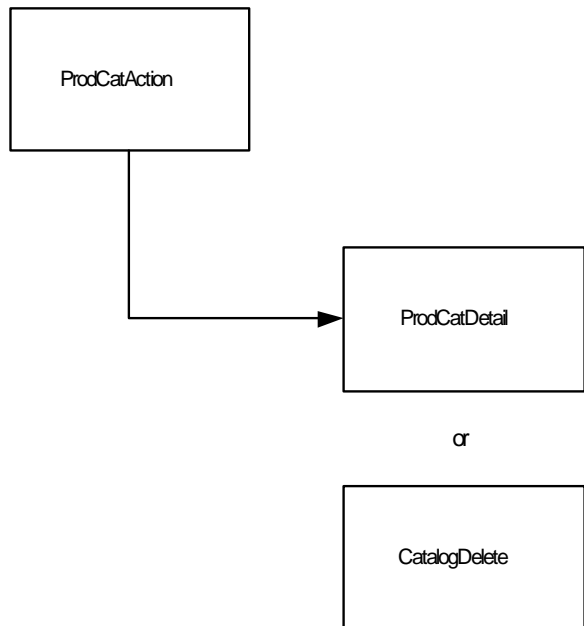
ProdCatAction

The ProdCatAction element contains information about an addition, modification, or deletion to a product catalog. It consists of:

- A ProdCatDetail element, which provides details about the item to be added or modified
or
- A CatalogDelete element, which provides details about the item to be deleted

[Source Code](#) ProdCatAction.mod on page 1160

Structure



Contents

ProdCatAction

You MUST choose one of the following: ProdCatDetail or CatalogDelete

.....ProdCatDetail

..... ProdAction

..... PartNum.....The part number of the item.

..... Agency.....The agency that assigned the part code.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... ListOfDescription (optional).....Descriptions of the item in one or more languages.

Repeating element Description

..... Description.....A description of the language.

..... @Lang.....*LangCode* The ISO code for the language in which the description is written.

End of repeating element Description

..... RelatedParts (optional)

..... AdditionalIDs (optional).....Other part numbers by which this part is known.

..... ListOfPartNum.....One or more additional part numbers for this part.

Repeating element PartNum

..... PartNum.....An additional part number that has been assigned to this part.

..... Agency.....The agency that assigned the part number.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

..... CanSubstituteBy (optional).....Parts that may be substituted when this part is not available.

..... ListOfPartNum.....One or more part numbers that may be substituted when this part is not available.

Repeating element PartNum

..... PartNum.....The part number that may be substituted when this part is not available.

..... Agency.....The agency that assigned the part number.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).that assigned the part number.

..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

..... SubstituteBy (optional).....Parts that are substitutes for this part.

..... ListOfPartNum.....One or more part numbers that are substitutes for this part.

Repeating element PartNum

..... PartNum.....The part number that is substituted for this part.
..... Agency.....The agency that assigned the part number.
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.
..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of
"Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

..... SubstituteFor (optional).....Parts for which this part is a substitute.
..... ListOfPartNum.....One or more parts for which this part is a substitute.

Repeating element PartNum

..... PartNum.....The part number for which this part is substituted.
..... Agency.....The agency that assigned the part number.
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.
..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of
"Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

..... CrossRef (optional).....Other parts that are referenced by this part.
..... ListOfPartNum.....One or more parts that are referenced by this part.

Repeating element PartNum

..... PartNum.....The part number of the referenced part.
..... Agency.....The agency that assigned the part number.
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.
..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of
"Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

..... OtherPartNum (optional).....Other related parts.
..... ListOfRelatedPartNum.....One or more parts that are related to this part.

Repeating element RelatedPartNum

..... RelatedPartNum.....The part number of the related part.
..... @RelatedPartType

.....PartNum.....The part number.
Agency.....The agency that assigned the part number.
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.
 @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of "Other."
PartID.....*string* The unique identifier for the part.
PartIDExt (optional).....*string* The part number extension.AdditionalIDs (optional)

End of repeating element RelatedPartNum

.....ValidStartDate (optional).....The first date on which the catalog entry is valid.
ValidEndDate (optional).....The last date on which the catalog entry is valid.
AvailStartDate (optional).....The first date on which the product is available.
AvailEndDate (optional).....The last date on which the product is available.
LeadTimeDays (optional).....The number of days lead time required for timely delivery.
ListOfDimension (optional).....One or more product measurements.

Repeating element Dimension

.....Dimension
 @DimName.....*DimensionCode* The name of the dimension being measured.
 @DimNameOther.....*string* The name of the dimension, specified if the value of DimName is other.
 @UnitOfMeasure.....*UOMCode* The unit of measurement.
 @Equality.....*EqualityCode* The relationship (greater than, less than, or equal to) of the measured value to the unit of measurement.

End of repeating element Dimension

.....ListOfProdCatDoc (optional)

Repeating element ProdCatDoc

.....ProdCatDoc
 DocName (optional).....*DocumentCode* The name of the document.
 DocNameOther (optional).....*string* The name of the document, specified if the value of DocName is Other.
 Agency (optional)
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other).
 @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
 DocNum (optional).....*string* The reference number assigned to the document.

End of repeating element ProdCatDoc

.....ListOfProdCatGroup (optional)

Repeating element ProdCatGroup

.....ProdCatGroup
 GroupType.....*ProdCatGroupType* The characteristic (Catalog, SamePrice, or ProdGroup) by which the products are being grouped.

..... GroupCode (optional).....*string* The code for the product group.

..... Agency (optional)

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other) that understands the product group code.

..... @AgencyOther.....*string* The agency that understands the product group code, specified when AgencyID has a value of "Other."

..... GroupName (optional).....*string* The name of the product group.

End of repeating element ProdCatGroup

..... LongDesc (optional).....One or more long descriptions (up to 2,000 characters) of the product.

..... ListOfLangString.....Long descriptions of the product in one or more languages.

Repeating element LangString

..... LangString.....*string* A text string.

..... @Lang.....*LangCode* The ISO code for the language in which the text string is written.

End of repeating element LangString

.....ListOfDescInfo (optional)

Repeating element DescInfo

..... DescInfo

..... AttribCode.....*DescInfoAttribCode* The attribute that is being described. one of the following values: Finish, Quality, Color, Grade, Keyword, or Other.

..... AttribCodeOther (optional).....The name of the attribute, specified if AttribCode has a value of Other.

..... LangString.....*string* The name of the attribute.

..... @Lang.....*LangCode* The ISO code for the language in which the attribute is described.

..... ValueCode (optional).....*DescInfoValueCode* The value (Red, Orange, Yellow, green, Blue, Violet, A, or Other) with respect to the attribute.

..... ValueOther (optional)

..... LangString.....*string* The name of the attribute.

..... @Lang.....*LangCode* The ISO code for the language in which the value is described.

..... Agency.....The name of the agency responsible for the codes.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other) responsible for the codes.

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value oMinOrder (optional)

End of repeating element DescInfo

..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

..... MinOrder (optional).....*Decimal15_3* The minimum number of units of the product that may be ordered.

..... MaxOrder (optional).....*Decimal15_3* The maximum number of units of the product that may be ordered. If not specified, an unlimited quantity may be ordered.

..... LotSize (optional).....*Decimal15_3* The lot size for the product.

..... ListOfProdAttribute (optional).....The technical attributes of the product.

Repeating element ProdAttribute

..... ProdAttribute

You MUST choose one of the following: CodedAttribName or AttribName

..... CodedAttribName (optional).....*CodedValue* The code that represents the attribute.

..... CodedValue

..... Agency

..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.

..... @AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.

..... CodeList (optional).....*string* The name or description of the code list.

..... Value.....*string* The coded value.

Or

..... AttribName (optional).....The name of the attribute.

..... LangString.....*string* A text string.

..... @Lang.....*LangCode* The ISO code for the language in which the text string is written.

End of choice between CodedAttribName and AttribName

You MUST choose one of the following: CodedAttribValue, AttribValue, or Measurement

..... CodedAttribValue (optional)..... The code that represents the attribute's value.

..... CodedValue

..... Agency

..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.

..... @AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.

..... CodeList (optional).....*string* The name or description of the code list.

..... Value.....*string* The coded value.

Or

..... AttribValue (optional).....The attribute value in text.

..... LangString.....*string* A text string.

..... @Lang.....*LangCode* The ISO code for the language in which the text string is written.

Or

..... Measurement (optional).....*Decimal18_3* The measured value of the attribute.

..... @UnitOfMeasurement.....*UOMCode* The unit of measurement (for exmple, feet).

..... @Equality.....*EqualityCode* The relationship of the measured property to the unit of UnitOfMeasurement

End of choice between CodedAttribValue, AttribValue, and Measurement

.....ListOfAttachment (optional)

Repeating element Attachment

..... Attachment

..... @Attachment.....The URI for the attachment.

..... Purpose.....*string* 1 to 70 character description of the attachment's function (for example, Blueprint).

..... FileName (optional).....*string* 1 to 70 character file name of the attachment.

..... Title (optional).....*string* 1 to 70 character title of the attachment.

..... Language (optional).....*LangCode* The language in which the attachment is written.

End of repeating element Attachment

.....ListOfKeyVal (optional)

Repeating element KeyVal

..... KeyVal.....*string* The value with respect to this keyword.

..... @Lang.....*LangCode* The language in which the keyword is written. If not specified, it is assumed that the language is known by context.

..... @Keyword.....*string* The keyword.

End of repeating element KeyVal

.....CategoryUNSPSC (optional)

.....ListOfCategory (optional)

Repeating element Category

..... Category

..... CategoryID.....*string* The unique identifier for the category.

..... TreeName.....*TreeNameCode* The name of the tree. one of the following values: SupplierTree, BuyerTree, UNSPSC, NIGP, or Other.

..... TreeNameOther (optional).....*string* The name of the tree, specified if TreeName has a value of Other.

..... Agency (optional)

..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.

..... @AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.

End of repeating element Category

.....CountryOfOrigin (optional)

.....ListOfSpecialCond (optional).....One or more special conditions to which the item is subject.

Repeating element SpecialCond

..... SpecialCond
 CondCode.....*SpecialCondCode* The special condition to which the item is subject. One of the following values: SubjectToBonus, SubjectToCommission, PriceIncludesExcise, PriceIncludesTax, SubjectToExportRestrictions, PromotionalPrice, Service, Loan, Rental, Processing, Exchange, Return, or Other.
 CondCodeOther (optional).....*string* The special condition to which the item is subject, specified if the value of CondCode is Other.

End of repeating element SpecialCond

..... ListOfReferenceCoded (optional)

Repeating element ReferenceCoded

..... ReferenceCoded
 Reference
 RefNum.....*string* The document being referenced.
 RefDate (optional).....*datetime* The date of the reference.
 RefCode.....*ReferenceCode* The type of reference (CustRefNum, ContractNum, PrevProdCat, PriceListNum, ProdInqNum, or Other)
 RefCodeOther (optional).....*string* The type of reference, specified if RefCode has a value of Other.

End of repeating element ReferenceCoded

..... MfrParty (optional)

..... Party

..... @PartyID.....*string* The identification number for the party.
 @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
 @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier
 Agency
 @AgencyID.....*AgencyCode* The standards agency.
 @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.

..... Identifier (optional)

..... Agency
 @AgencyID.....*AgencyCode* The standards agency.
 @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.
 Name1.....*string* The first line of the name.

..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
..... OrderContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact

.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded

Repeating element ContactCoded

.....ContactCoded
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingCont

End of repeating element ContactCoded

.....ListOfPartyCoded (optional)

Repeating element PartyCoded

..... PartyCoded
..... Party
..... @PartyID.....*string* The identification number for the party.
..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.
..... ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier
.....Agency
..... @AgencyID.....AgencyCode The standards agency.
..... @AgencyOther.....string The standards agency, used when AgencyID has a value of "Other."
.....Ident.....string The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.
.....Identifier (optional)
.....Agency
..... @AgencyID.....AgencyCode The standards agency.
..... @AgencyOther.....string The standards agency, used when AgencyID has a value of "Other."
.....Ident.....string The coded identifier.
.....Name1.....string The first line of the name.
.....Name2 (optional).....string The second line of the name.
.....Name3 (optional).....string The third line of the name.
.....Address1.....string The first line of the street address.
.....Address2 (optional).....string The second line of the street address.
.....Address3 (optional).....string The third line of the street address.
.....Address4 (optional).....string The fourth line of the street address.
.....Address5 (optional).....string The fifth line of the street address.
.....City.....string The city.
.....StateOrProvince.....string The state or province.
.....PostalCode.....string The zip or postal code.
.....Country.....CountryCode The two-character country code.
..... OrderContact (optional)
.....Contact
.....Identifier (optional)
..... Agency
..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....string The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....string The coded identifier.
.....ContactName.....string The employee or department name.
.....Telephone.....string The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....string The 1 to 80 character email address.
.....Fax (optional).....string The FAX number.
..... ReceivingContact (optional)

.....Contact
.....Identifier (optional)
.....Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
.....Contact
.....Identifier (optional)
.....Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
.....ListOfContactCoded
Repeating element ContactCoded
.....ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther...*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
 ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... PartyRole.....*PartyRoleCode* The role of the party. One of the following values: Buyer, Supplier, CentralCatParty, StoreNumber, SuppAgent, ProdInqNum, or Other.
 PartyRoleOther (optional).....*string* The role of the party, specified if the value of PartyRole is Other.

End of repeating element PartyCoded

.....ListofHazardous (optional)

Repeating element Hazardous

..... Hazardous
 Agency (optional)
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that codified the hazard.
 @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
 HazardCode (optional).....*string* The coded identifier for the hazard.
 CodeExt (optional).....*string* An optional extension that further qualifies the hazard code.
 CodeVer (optional).....*string* The version number of the hazard code.
 HazardText (optional).....Descriptions of the hazard in one or more languages.
 ListOfLangString.....The text of the descriptions.

Repeating element LangString

.....LangString.....A description of the hazard.
 @Lang.....*LangCode* The ISO code for the language in which the description is written.

End of repeating element LangString

..... UNDGNum (optional).....*int* The United nations Dangerous Goods Code for the hazard.
 Flashpoint (optional).....*Decimal8_2* The lowest temperature, in degrees centigrade, at which vapor from the substance combines with air to form an ignitable mixture.
 PackingCode (optional).....*HazardPackingCode* Packing criteria for the substance as assigned by IATA/IMDB/ADR/RID. one of the following values: Not Specified, Great Danger, Medium Danger, or Minor Danger.
 EMSNum (optional).....*string* Emergency procedures for ships carrying the goods.
 TremCardNum (optional).....*string* Medical first aid guide.

End of repeating element Hazardous

.....NumPkgs (optional)
ListOfPackage (optional)

Repeating element Package

..... Package
 ListOfPackageInfo (optional)

Repeating element PackageInfo

..... PackageInfo.....*PackageInfoCode* The type of coding that appears on the package.

End of repeating element PackageInfo

..... ListOfPackageType (optional)

Repeating element PackageType

..... PackageType

..... TypeCode.....*PackageTypeCode* The type of packaging. One of the following values: None, Other, OnewayPallet, ReturnablePallet, or barrel.

..... TypeCodeOther (optional)..... *string* The type of packaging, specified if the value of TypeCode is Other.

..... CodeList (optional).....*string* The name of the code list.

..... Agency (optional)

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other).

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... ListOfDescription (optional)

Repeating element Description

..... Description

..... @Lang.....*LangCode* The ISO code for the language in which the description is written.

End of repeating element Description

End of repeating element PackageType

..... ListOfDimension (optional)

Repeating element Dimension

..... Dimension

..... @DimName.....*DimensionCode* The name of the dimension being measured.

..... @DimNameOther.....*string* The name of the dimension, specified if the value of DimName is other.

..... @UnitOfMeasure.....*UOMCode* The unit of measurement.

..... @Equality.....*EqualityCode* The relationship (greater than, less than, or equal to) of the measured value to the unit of measurement.

End of repeating element Dimension

..... ListOfPackageMark (optional)

Repeating element PackageMark

..... PackageMark.....*PackageMarkCode* A code indicating how the package should be marked. One of the following values: NoSupplierName, CustomerCoName, CustomerRefs, MinorDanger, or Price.

End of repeating element PackageMark

..... MarkText (optional)

..... ListOfLangString

Repeating element LangString

..... LangString.....*string* Freeform text to appear on the package.

.....@Lang.....*LangCode* The ISO code for the language in which the text string is written.
.....ListOfPartTreeNode (optional)

Repeating element PartTreeNode

.....PartTreeNode
.....@Relation.....*ParentChild* Indicates whether this node is a Parent or a Child of the related part.
.....PartNum
.....Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
.....@AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
.....PartID.....*string* The unique identifier for the part.
.....PartIDExt (optional).....*string* The part number extension.
.....ListOfQuantity (optional)

Repeating element Quantity

.....Quantity
.....Qty.....*Decimal15_3* The quantity of the item.
.....UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
.....UOMCode.....*UOMCode* The unit of measurement.
.....UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

End of repeating element Quantity

.....ListOfProdAttribute (optional)

Repeating element ProdAttribute

.....ProdAttribute

You MUST choose one of the following: CodedAttribName or AttribName

.....CodedAttribName (optional).....*CodedValue* The code that represents the attribute.
.....CodedValue
.....Agency
.....@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.
.....@AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.
.....CodeList (optional).....*string* The name or description of the code list.
.....Value.....*string* The coded value.

Or

.....AttribName (optional).....The name of the attribute.
.....LangString.....*string* A text string.
.....@Lang.....*LangCode* The ISO code for the language in which the text string is written.

End of choice between CodedAttribName and AttribName

You MUST choose one of the following: CodedAttribValue, AttribValue, or Measurement

.....CodedAttribValue (optional)..... The code that represents the attribute's value.
.....CodedValue
.....Agency
..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.
..... @AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.
..... CodeList (optional).....*string* The name or description of the code list.
..... Value.....*string* The coded value.

Or

.....AttribValue (optional).....The attribute value in text.
.....LangString.....*string* A text string.
..... @Lang.....*LangCode* The ISO code for the language in which the text string is written.

Or

.....Measurement (optional).....*Decimal18_3* The measured value of the attribute.
..... @UnitOfMeasurement.....*UOMCode* The unit of measurement (for exmple, feet).
..... @Equality.....*EqualityCode* The relationship of the measured property to the unit of measurement

End of choice among CodedAttribValue, AttribValue, and Measurement

End of repeating element ProdAttribute

End of repeating element PartTreeNode

Or

.....CatalogDelete
..... PartNum.....The part number to be deleted from the catalog.
..... Agency.....The agency that issued the part number.
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... EffectiveDate.....*date* The date on which the part is to be removed from the catalog.

End of choice between ProdCatDetail and CatalogDelete

Examples

```
<ProdCatAction>  
  <CatalogDelete>  
    <PartNum>  
      <Agency AgencyID="CommerceOne" />  
      <PartID>1732|1812||</PartID>  
    </PartNum>  
  </CatalogDelete>  
</ProdCatAction>
```

ProdCatDetail

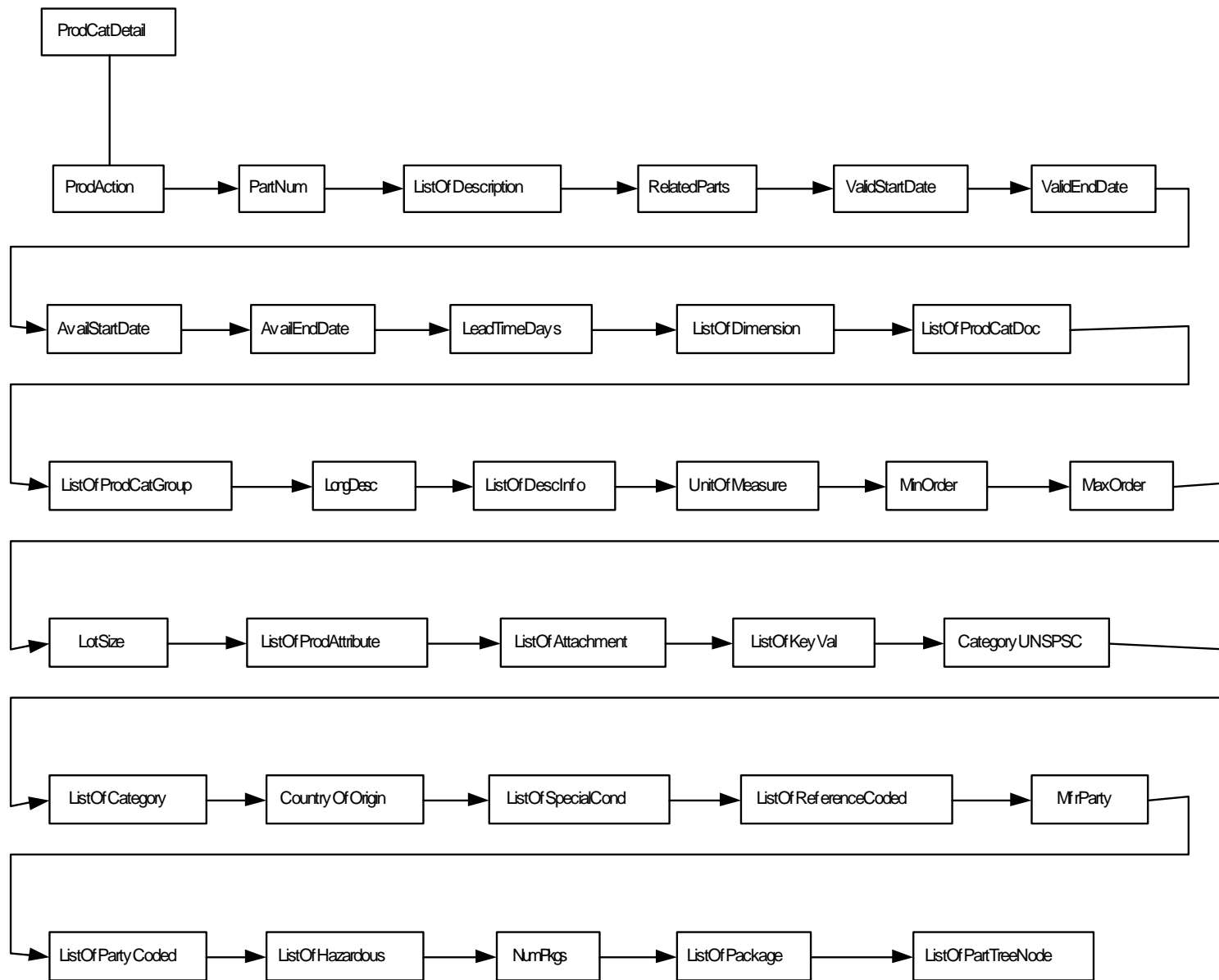
The ProdCatDetail element contains information about one line item in a product catalog. It consists of:

- A ProdAction element, which indicates whether the item is being added to the catalog or modified.
- A PartNum element, which identifies the item.
- An optional ListOfDescription element, which contains descriptions of the item in one or more languages.
- An optional RelatedParts element, which identifies other parts that are related to the part.
- An optional ValidStartDate element, which specifies the first date on which the catalog entry is valid.
- An optional ValidEndDate element, which specifies the last date on which the catalog entry is valid.
- An optional AvailStartDate element, which specifies the first date on which the product is available.
- An optional AvailEndDate element, which specifies the last date on which the product is available.
- An optional LeadTimeDays element, which specifies the number of days lead time required for delivery.
- An optional ListOfDimension element, which specifies one or more product measurements.
- An optional ListOfProdCatDoc element, which identifies documents, such as a Certificate of Origin, related to the product.
- An optional ListOfProdCatGroup element, which identifies product groups of which the item is a member.
- An optional LongDesc element, which contains long descriptions of the item in one or more languages.
- An optional ListOfDescInfo element, which includes descriptive information about the product.
- A UnitOfMeasure element, which specifies the unit in which the product is measured.
- An optional MinOrder element, which specifies the minimum number of units that may be ordered.
- An optional MinOrder element, which specifies the minimum number of units of the product that may be ordered. If not specified, the minimum order size is one unit.
- An optional LotSize element, which specifies the product's lot size.
- An optional ListOfProdAttribute element, which specifies the product's technical attributes.
- An optional ListOfAttachment element, which identifies any attached files.
- An optional ListOfKeyVal element, which includes any keyword/value pairs for the product.
- An optional, but highly recommended, CategoryUNSPSC element, which specifies the product's UNSPSC classification.
- An optional ListOfCategory element, which specifies additional classifications for the product.

- An optional CountryOfOrigin element, which specifies the ISO code for the product's country of origin.
- An optional ListOfSpecialCond element, which specifies one or more special conditions (for example, "Price includes Tax") for the product.
- An optional ListOfReferenceCoded element, which identifies related documents and their functions.
- An optional MfrParty element, which contains the manufacturer's name and address.
- An optional ListOfPartyCoded element, which contains the names and addresses of other parties.
- An optional ListOfHazardous element, which specifies one or more hazardous material codes.
- An optional NumPkgs element, which specifies the number of packages (one, by default).
- An optional ListOfPackage element, contains packaging information.
- An optional ListOfPartTreeNode element, which contains product hierarchy information.

[Source Code](#) ProdCatDetail.mod on page 1162

Structure



Contents

ProdCatDetail

.....ProdAction	
.....PartNum.....	The part number of the item.
.....Agency.....	The agency that assigned the part code.
.....@AgencyID.....	<i>AgencyCode</i> The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
.....@AgencyOther.....	<i>string</i> The agency, specified when AgencyID has a value of "Other."
.....PartID.....	<i>string</i> The unique identifier for the part.
.....PartIDExt (optional).....	<i>string</i> The part number extension.
.....ListOfDescription (optional).....	Descriptions of the item in one or more languages.
Repeating element Description	
.....Description.....	A description of the language.
.....@Lang.....	<i>LangCode</i> The ISO code for the language in which the description is written.
End of repeating element Description	
.....RelatedParts (optional)	
.....AdditionalIDs (optional).....	Other part numbers by which this part is known.
.....ListOfPartNum.....	One or more additional part numbers for this part.
Repeating element PartNum	
.....PartNum.....	An additional part number that has been assigned to this part.
.....Agency.....	The agency that assigned the part number.
.....@AgencyID.....	<i>AgencyCode</i> The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
.....@AgencyOther.....	<i>string</i> The agency, specified when AgencyID has a value of "Other."
.....PartID.....	<i>string</i> The unique identifier for the part.
.....PartIDExt (optional).....	<i>string</i> The part number extension.
End of repeating element PartNum	
.....CanSubstituteBy (optional).....	Parts that may be substituted when this part is not available.
.....ListOfPartNum.....	One or more part numbers that may be substituted when this part is not available.
Repeating element PartNum	
.....PartNum.....	The part number that may be substituted when this part is not available.
.....Agency.....	The agency that assigned the part number.
.....@AgencyID.....	<i>AgencyCode</i> The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).that assigned the part number.
.....@AgencyOther.....	<i>string</i> The agency that assigned the part number, specified when AgencyID has a value of "Other."
.....PartID.....	<i>string</i> The unique identifier for the part.
.....PartIDExt (optional).....	<i>string</i> The part number extension.
End of repeating element PartNum	

..... SubstituteBy (optional).....Parts that are substitutes for this part.
..... ListOfPartNum.....One or more part numbers that are substitutes for this part.

Repeating element PartNum

..... PartNum.....The part number that is substituted for this part.
..... Agency.....The agency that assigned the part number.
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.
..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

..... SubstituteFor (optional).....Parts for which this part is a substitute.
..... ListOfPartNum.....One or more parts for which this part is a substitute.

Repeating element PartNum

..... PartNum.....The part number for which this part is substituted.
..... Agency.....The agency that assigned the part number.
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.
..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

..... CrossRef (optional).....Other parts that are referenced by this part.
..... ListOfPartNum.....One or more parts that are referenced by this part.

Repeating element PartNum

..... PartNum.....The part number of the referenced part.
..... Agency.....The agency that assigned the part number.
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.
..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

..... OtherPartNum (optional).....Other related parts.
..... ListOfRelatedPartNum.....One or more parts that are related to this part.
..... RelatedPartNum.....The part number of the related part.

..... @RelatedPartType

Repeating element PartNum

..... PartNum.....The part number.

.....Agency.....The agency that assigned the part number.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.

..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of "Other."

.....PartID.....*string* The unique identifier for the part.

.....PartIDExt (optional).....*string* The part number extension.AdditionalIDs (optional)

End of repeating element PartNum

.....ValidStartDate (optional).....The first date on which the catalog entry is valid.

.....ValidEndDate (optional).....The last date on which the catalog entry is valid.

.....AvailStartDate (optional).....The first date on which the product is available.

.....AvailEndDate (optional).....The last date on which the product is available.

.....LeadTimeDays (optional).....The number of days lead time required for timely delivery.

.....ListOfDimension (optional).....One or more product measurements.

Repeating element Dimension

.....Dimension

..... @DimName.....*DimensionCode* The name of the dimension being measured.

..... @DimNameOther.....*string* The name of the dimension, specified if the value of DimName is other.

..... @UnitOfMeasure.....*UOMCode* The unit of measurement.

..... @Equality.....*EqualityCode* The relationship (greater than, less than, or equal to) of the measured value to the unit of measurement.

End of repeating element Dimension

.....ListOfProdCatDoc (optional)

Repeating element ProdCatDoc

.....ProdCatDoc

..... DocName (optional).....*DocumentCode* The name of the document.

..... DocNameOther (optional).....*string* The name of the document, specified if the value of DocName is Other.

..... Agency (optional)

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other).

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... DocNum (optional).....*string* The reference number assigned to the document.

End of repeating element ProdCatDoc

.....ListOfProdCatGroup (optional)

Repeating element ProdCatGroup

.....ProdCatGroup

..... GroupType.....*ProdCatGroupType* The characteristic (Catalog, SamePrice, or ProdGroup) by which the products are being grouped.

..... GroupCode (optional).....*string* The code for the product group.

..... Agency (optional)

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other) that understands the product group code.

..... @AgencyOther.....*string* The agency that understands the product group code, specified when AgencyID has a value of "Other."

..... GroupName (optional).....*string* The name of the product group.

End of repeating element ProdCatGroup

..... LongDesc (optional).....One or more long descriptions (up to 2,000 characters) of the product.

..... ListOfLangString.....Long descriptions of the product in one or more languages.

Repeating element LangString

..... LangString.....*string* A text string.

..... @Lang.....*LangCode* The ISO code for the language in which the text string is written.

End of repeating element LangString

.....ListOfDescInfo (optional)

Repeating element DescInfo

..... DescInfo

..... AttribCode.....*DescInfoAttribCode* The attribute that is being described. one of the following values: Finish, Quality, Color, Grade, Keyword, or Other.

..... AttribCodeOther (optional).....The name of the attribute, specified if AttribCode has a value of Other.

..... LangString.....*string* The name of the attribute.

..... @Lang.....*LangCode* The ISO code for the language in which the attribute is described.

..... ValueCode (optional).....*DescInfoValueCode* The value (Red, Orange, Yellow, green, Blue, Violet, A, or Other) with respect to the attribute.

..... ValueOther (optional)

..... LangString.....*string* The name of the attribute.

..... @Lang.....*LangCode* The ISO code for the language in which the value is described.

..... Agency.....The name of the agency responsible for the codes.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other) responsible for the codes.

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value oMinOrder (optional)

End of repeating element DescInfo

.....UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

.....MinOrder (optional).....*Decimal15_3* The minimum number of units of the product that may be ordered.

.....MaxOrder (optional).....*Decimal15_3* The maximum number of units of the product that may be ordered. If not specified, an unlimited quantity may be ordered.
LotSize (optional).....*Decimal15_3* The lot size for the product.
ListOfProdAttribute (optional).....The technical attributes of the product.

Repeating element ProdAttribute

..... ProdAttribute

You MUST choose one of the following: CodedAttribName or AttribName

..... CodedAttribName (optional).....*CodedValue* The code that represents the attribute.
 CodedValue
 Agency
@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.
@AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.
 CodeList (optional).....*string* The name or description of the code list.
 Value.....*string* The coded value.

Or

..... AttribName (optional).....The name of the attribute.
 LangString.....*string* A text string.
 @Lang.....*LangCode* The ISO code for the language in which the text string is written.

End of choice between CodedAttribName and Attribname

You MUST choose one of the following: CodedAttribValue, AttribValue, and Measurement

..... CodedAttribValue (optional)..... The code that represents the attribute's value.
 CodedValue
 Agency
@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.
@AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.
 CodeList (optional).....*string* The name or description of the code list.
 Value.....*string* The coded value.

Or

..... AttribValue (optional).....The attribute value in text.
 LangString.....*string* A text string.
 @Lang.....*LangCode* The ISO code for the language in which the text string is written.

Or

..... Measurement (optional).....*Decimal18_3* The measured value of the attribute.
..... @UnitOfMeasurement.....*UOMCode* The unit of measurement (for exmple, feet).
..... @Equality.....*EqualityCode* The relationship of the measured property to the unit of measurement

End of choice among CodedAttribValue, AttribValue, and Measurement

End of repeating element ProdAttribute

.....ListOfAttachment (optional)

Repeating element Attachment

..... Attachment
..... @Attachment.....The URI for the attachment.
..... Purpose.....*string* 1 to 70 character description of the attachment's function (for example, Blueprint).
..... FileName (optional).....*string* 1 to 70 character file name of the attachment.
..... Title (optional).....*string* 1 to 70 character title of the attachment.
..... Language (optional).....*LangCode* The language in which the attachment is written.

End of repeating element Attachment

.....ListOfKeyVal (optional)

Repeating element KeyVal

..... KeyVal.....*string* The value with respect to this keyword.
..... @Lang.....*LangCode* The language in which the keyword is written. If not specified, it is assumed that the language is known by context.
..... @Keyword.....*string* The keyword.

End of repeating element KeyVal

.....CategoryUNSPSC (optional)

.....ListOfCategory (optional)

Repeating element Category

..... Category
..... CategoryID.....*string* The unique identifier for the category.
..... TreeName.....*TreeNameCode* The name of the tree. one of the following values: SupplierTree, BuyerTree, UNSPSC, NIGP, or Other.
..... TreeNameOther (optional).....*string* The name of the tree, specified if TreeName has a value of Other.
..... Agency (optional)
..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.
..... @AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.

End of repeating element Category

.....CountryOfOrigin (optional)
.....ListOfSpecialCond (optional).....One or more special conditions to which the item is subject.

Repeating element SpecialCond

.....SpecialCond
.....CondCode.....*SpecialCondCode* The special condition to which the item is subject. One of the following values: SubjectToBonus, SubjectToCommission, PriceIncludesExcise, PriceIncludesTax, SubjectToExportRestrictions, PromotionalPrice, Service, Loan, Rental, Processing, Exchange, Return, or Other.
.....CondCodeOther (optional).....*string* The special condition to which the item is subject, specified if the value of CondCode is Other.

End of repeating element SpecialCond

.....ListOfReferenceCoded (optional)

Repeating element ReferenceCoded

.....ReferenceCoded
.....Reference
.....RefNum.....*string* The document being referenced.
.....RefDate (optional).....*datetime* The date of the reference.
.....RefCode.....*ReferenceCode* The type of reference (CustRefNum, ContractNum, PrevProdCat, PriceListNum, ProdInqNum, or Other)
.....RefCodeOther (optional).....*string* The type of reference, specified if RefCode has a value of Other.

End of repeating element ReferenceCoded

.....MfrParty (optional)

.....Party

.....@PartyID.....*string* The identification number for the party.
.....@AgencyID.....*AgencyCode* The agency that issued the party's identification number.
.....@AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

.....ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier
.....Agency
.....@AgencyID.....*AgencyCode* The standards agency.
.....@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.

End of repeating element Identifier

.....NameAddress (optional).....Name and address information for the party.

.....Identifier (optional)

.....Agency

.....@AgencyID.....*AgencyCode* The standards agency.

.....@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... Name1.....*string* The first line of the name.

..... Name2 (optional).....*string* The second line of the name.

..... Name3 (optional).....*string* The third line of the name.

..... Address1.....*string* The first line of the street address.

..... Address2 (optional).....*string* The second line of the street address.

..... Address3 (optional).....*string* The third line of the street address.

..... Address4 (optional).....*string* The fourth line of the street address.

..... Address5 (optional).....*string* The fifth line of the street address.

..... City.....*string* The city.

..... StateOrProvince.....*string* The state or province.

..... PostalCode.....*string* The zip or postal code.

..... Country.....*CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ReceivingContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ShippingContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... OtherContacts (optional)

..... ListOfContactCoded

Repeating element ContactCoded

..... ContactCoded

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingCont

End of repeating element ContactCoded

.....ListOfPartyCoded (optional)

Repeating element PartyCoded

..... PartyCoded

..... Party

..... @PartyID.....*string* The identification number for the party.

..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier

..... Agency

..... @AgencyID.....*AgencyCode* The standards agency.

..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The standards agency.

..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... Name1.....*string* The first line of the name.

..... Name2 (optional).....*string* The second line of the name.

..... Name3 (optional).....*string* The third line of the name.

..... Address1.....*string* The first line of the street address.

..... Address2 (optional).....*string* The second line of the street address.

..... Address3 (optional).....*string* The third line of the street address.

..... Address4 (optional).....*string* The fourth line of the street address.

..... Address5 (optional).....*string* The fifth line of the street address.

..... City.....*string* The city.

..... StateOrProvince.....*string* The state or province.

..... PostalCode.....*string* The zip or postal code.

..... Country.....*CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
..... Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded
Repeating element ContactCoded
.....ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."

..... Ident.....*string* The coded identifier.
 ContactName.....*string* The employee or department name.
 Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
 Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
 ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... PartyRole.....*PartyRoleCode* The role of the party. One of the following values: Buyer, Supplier, CentralCatParty, StoreNumber, SuppAgent, ProdInqNum, or Other.
 PartyRoleOther (optional).....*string* The role of the party, specified if the value of PartyRole is Other.

End of repeating element PartyCoded

.....ListofHazardous (optional)

Repeating element Hazardous

..... Hazardous
 Agency (optional)
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that codified the hazard.
 @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
 HazardCode (optional).....*string* The coded identifier for the hazard.
 CodeExt (optional).....*string* An optional extension that further qualifies the hazard code.
 CodeVer (optional).....*string* The version number of the hazard code.
 HazardText (optional).....Descriptions of the hazard in one or more languages.
 ListOfLangString.....The text of the descriptions.
 LangString.....A description of the hazard.
 @Lang.....*LangCode* The ISO code for the language in which the description is written.
 UNDGNum (optional).....*int* The United nations Dangerous Goods Code for the hazard.
 Flashpoint (optional).....*Decimal8_2* The lowest temperature, in degrees centigrade, at which vapor from the substance combines with air to form an ignitable mixture.
 PackingCode (optional).....*HazardPackingCode* Packing criteria for the substance as assigned by IATA/IMDB/ADR/RID. one of the following values: Not Specified, Great Danger, Medium Danger, or Minor Danger.
 EMSNum (optional).....*string* Emergency procedures for ships carrying the goods.
 TremCardNum (optional).....*string* Medical first aid guide.

End of repeating element Hazardous

.....NumPkgs (optional)

.....ListOfPackage (optional)

Repeating element Package

..... Package

..... ListOfPackageInfo (optional)
Repeating element PackageInfo
..... PackageInfo.....*PackageInfoCode* The type of coding that appears on the package.
End of repeating element PackageInfo
..... ListOfPackageType (optional)
Repeating element PackageType
..... PackageType
..... TypeCode.....*PackageTypeCode* The type of packaging. One of the following values: None, Other, OnewayPallet, ReturnablePallet, or barrel.
..... TypeCodeOther (optional)..... *string* The type of packaging, specified if the value of TypeCode is Other.
..... CodeList (optional).....*string* The name of the code list.
..... Agency (optional)
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other).
..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
..... ListOfDescription (optional)
Repeating element Description
.....Description
..... @Lang.....*LangCode* The ISO code for the language in which the description is written.
End of repeating element Description
End of repeating element PackageType
..... ListOfDimension (optional)
Repeating element Dimension
..... Dimension
..... @DimName.....*DimensionCode* The name of the dimension being measured.
..... @DimNameOther.....*string* The name of the dimension, specified if the value of DimName is other.
..... @UnitOfMeasure.....*UOMCode* The unit of measurement.
..... @Equality.....*EqualityCode* The relationship (greater than, less than, or equal to) of the measured value to the unit of measurement.
End of repeating element Dimension
..... ListOfPackageMark (optional)
Repeating element PackageMark
..... PackageMark.....*PackageMarkCode* A code indicating how the package should be marked. One of the following values: NoSupplierName, CustomerCoName, CustomerRefs, MinorDanger, or Price.
End of repeating element PackageMark
..... MarkText (optional)
..... ListOfLangString
Repeating element LangString

..... LangString.....*string* Freeform text to appear on the package.
@Lang.....*LangCode* The ISO code for the language in which the text string is written.

End of repeating element LangString

End of repeating element Package

.....ListOfPartTreeNode (optional)

Repeating element PartTreeNode

..... PartTreeNode
 @Relation.....*ParentChild* Indicates whether this node is a Parent or a Child of the related part
 PartNum
 Agency
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
 @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
 PartID.....*string* The unique identifier for the part.
 PartIDExt (optional).....*string* The part number extension.
 ListOfQuantity (optional)

Repeating element Quantity

..... Quantity
 Qty.....*Decimal15_3* The quantity of the item.
 UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
 UOMCode.....*UOMCode* The unit of measurement.
 UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

End of repeating element Quantity

.....ListOfProdAttribute (optional)

Repeating element ProdAttribute

..... ProdAttribute
You MUST choose one of the following: CodedAttribName or AttribName
 CodedAttribName (optional).....*CodedValue* The code that represents the attribute.
CodedValue
Agency
 @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.
 @AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.
CodeList (optional).....*string* The name or description of the code list.
 Value.....*string* The coded value.

Or

..... *AttribName* (optional).....The name of the attribute.
.....*LangString*.....*string* A text string.
..... *@Lang*.....*LangCode* The ISO code for the language in which the text string is written.

End of choice between CodedAttribName and AttribName
You MUST choose one of the following: CodedAttribValue, AttribValue, or Measurement

..... *CodedAttribValue* (optional)..... The code that represents the attribute's value.
.....*CodedValue*
.....*Agency*
..... *@AgencyID*.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.
..... *@AgencyOther*.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.

.....*CodeList* (optional).....*string* The name or description of the code list.
..... *Value*.....*string* The coded value.

Or

..... *AttribValue* (optional).....The attribute value in text.
.....*LangString*.....*string* A text string.
..... *@Lang*.....*LangCode* The ISO code for the language in which the text string is written.

Or

..... *Measurement* (optional).....*Decimal18_3* The measured value of the attribute.
.....*@UnitOfMeasurement*.....*UOMCode* The unit of measurement (for exmple, feet).
.....*@Equality*.....*EqualityCode* The relationship of the measured property to the unit of measurement

End of choice among CodedAttribValue, AttribValue, and Measurement
End of repeating element ProdAttribute

Examples

```
<ProdCatDetail>
  <ProdAction>Add</ProdAction>

  <PartNum>
    <Agency AgencyID="CommerceOne" />
    <PartID>1732|12345||</PartID>
  </PartNum>

  <ListOfDescription>
    <Description Lang="EN">500 sheets white paper, 20#</Description>
  </ListOfDescription>
```

```
<RelatedParts>
  <AdditionalIDs>
    <ListOfPartNum>
      <PartNum>
        <Agency AgencyID="AssignedByBuyer" />
        <PartID>XYZ12345</PartID>
      </PartNum>
      <PartNum>
        <Agency AgencyID="AssignedBySupplier" />
        <PartID>12345</PartID>
      </PartNum>
    </ListOfPartNum>
  </AdditionalIDs>

  <SubstituteFor>
    <ListOfPartNum>
      <PartNum>
        <Agency AgencyID="AssignedBySupplier" />
        <PartID>12386</PartID>
        <PartIDExt>A</PartIDExt>
      </PartNum>
    </ListOfPartNum>
  </SubstituteFor>

  <OtherPartNums>
    <ListOfRelatedPartNum>
      <RelatedPartNum RelatedPartType="Version">
        <Agency AgencyID="AssignedBySupplier" />
        <PartID>123.2</PartID>
      </RelatedPartNum>
    </ListOfRelatedPartNum>
  </OtherPartNums>
</RelatedParts>

<LeadTimeDays>5</LeadTimeDays>

<LongDesc>
```

```

    <ListOfLangString>
      <LangString Lang="EN">A high quality paper product
        designed for professional printing.
      </LangString>
    </ListOfLangString>
  </LongDesc>

  <ListOfDescInfo>
    <DescInfo>
      <AttribCode>Color</AttribCode>
      <ValueCode>Red</ValueCode>
    </DescInfo>
  </ListOfDescInfo>

  <UnitOfMeasure>EA</UnitOfMeasure>

  <ListOfProdAttribute>
    <ProdAttribute>
      <AttribName>
        <LangString Lang="EN">Fabric</LangString>
      </AttribName>
      <AttribValue>
        <LangString Lang="EN">Red</LangString>
      </AttribValue>
    </ProdAttribute>

    <ProdAttribute>
      <AttribName>
        <LangString Lang="EN">Drawer Height</LangString>
      </AttribName>
      <Measurement UnitOfMeasure="FOT">1.0</Measurement>
    </ProdAttribute>
  </ListOfProdAttribute>

  <ListOfAttachment>
    <Attachment Attachment="http://www.mysite.com/xyz.gif">
      <Purpose>Drawing</Purpose>
    </Attachment>
  </ListOfAttachment>

```

```
</ListOfAttachment>

<ListOfKeyVal>
  <KeyVal Keyword="User Level">Professional</KeyVal>
  <KeyVal Keyword="Rating">Four Stars</KeyVal>
</ListOfKeyVal>

<CategoryUNSPSC>04378821</CategoryUNSPSC>

<ListOfCategory>
  <Category>
    <CategoryID>Printers</CategoryID>
    <TreeName>SupplierTree</TreeName>
  </Category>
</ListOfCategory>

<CountryOfOrigin>US</CountryOfOrigin>

<ListOfSpecialCond>
  <SpecialCond>
    <CondCode>PriceIncludesTax</CondCode>
  </SpecialCond>
</ListOfSpecialCond>

</ProdCatDetail>
```

ProdCatDetailActionCode

The ProdCatDetailActionCode datatype enumerates the codes that describe actions to be taken on a product catalog.

[Source Code](#) PriceCatDetail.mod on page 1141

Values

The following ProdCatDetailActionCode values have been defined:

- Add
- Change
- NoAction

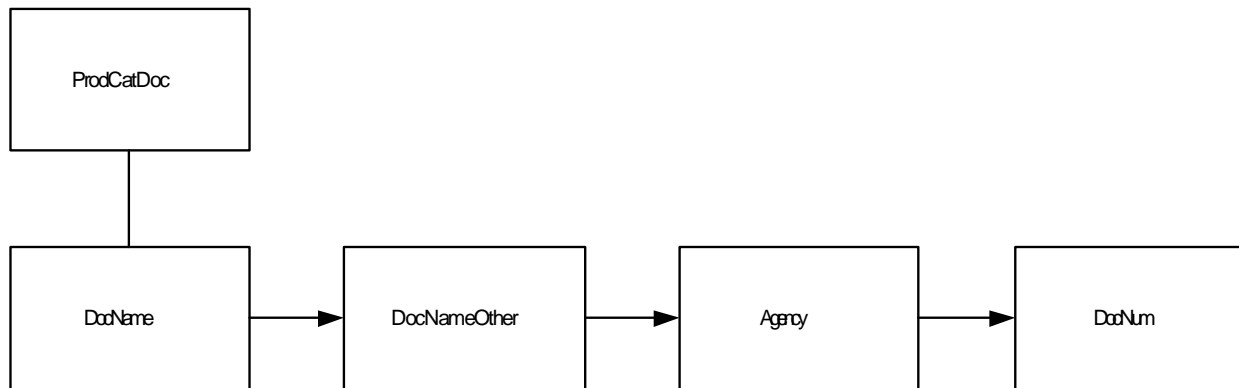
ProdCatDoc

The ProdCatDoc element contains information about a document, such as an extended warranty, that is associated with a product. It consists of:

- An optional DocName element, which specifies the name of the document.
- An optional DocNameOther element, which specifies the name of the document in the event that DocName has a value of Other.
- An optional Agency element, which specifies the agency responsible for the document
- An optional DocNum element, which specifies the reference number of the document.

[Source Code](#) ProdCatDoc.mod on page 1166

Structure



Contents

ProdCatDoc

.....DocName (optional).....*DocumentCode* The name of the document.
.....DocNameOther (optional).....*string* The name of the document, specified if the value of DocName is Other.
.....Agency (optional)

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other).
..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
.....DocNum (optional).....*string* The reference number assigned to the document.

Examples

```
<?xml version="1.0"?>  
<?soxtype urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0?>  
<ProdCatDoc>  
  <DocName>CertOfConformity</DocName>  
  <Agency AgencyID="CommerceOne"/>  
  <DocNum>C1-99-012</DocNum>  
</ProdCatDoc>
```

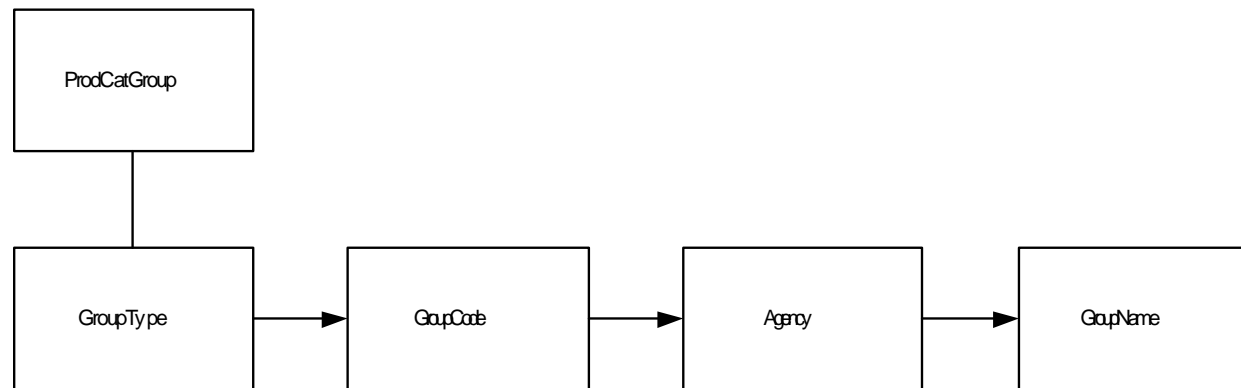
ProdCatGroup

The ProdCatGroup element contains information about the product group to which an item belongs. It consists of:

- A GroupType element, which specifies the characteristic (Catalog, SamePrice, or ProdGroup) by which products are being grouped. This corresponds to EANCOM code set 5379.
- An optional GroupCode element, which specifies the code assigned to the group.
- An optional Agency element, which specifies the agency responsible for assigning product group codes.
- An optional GroupName element, which provides the name of the group in the event that the GroupCode is not specified.

[Source Code](#) ProdCatGroup.mod on page 1168

Structure



Contents

ProdCatGroup	
.....GroupType.....	<i>ProdCatGroupType</i> The characteristic (Catalog, SamePrice, or ProdGroup) by which the products are being grouped.
.....GroupCode (optional).....	<i>string</i> The code for the product group.

.....Agency (optional)
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other) that understands the product group code.
 @AgencyOther.....*string* The agency that understands the product group code, specified when AgencyID has a value of "Other."
GroupName (optional).....*string* The name of the product group.

Examples

```
<?xml version="1.0"?>
<?soxtype urn:x-commercenceone:document:com:commercenceone:CBL:CBL.sox$1.0?>
<ProdCatGroup>
  <GroupType>ProdGroup</GroupType>
  <GroupCode>MR-99-0122</GroupCode>
  <Agency AgencyID="CommerceOne"/>
  <GroupName>Marketing</GroupName>
</ProdCatGroup>
```

ProdCatGroupType

The ProdCatGroupType datatype enumerates the codes that describe the characteristics shared by all products in a group. The codes are based on EAN code list 5379.

[Source Code](#) ProdCatGroup.mod on page 1168

Values

The following ProdCatGroupType codes have been defined:

- Catalog
- SamePrice
- ProdGroup

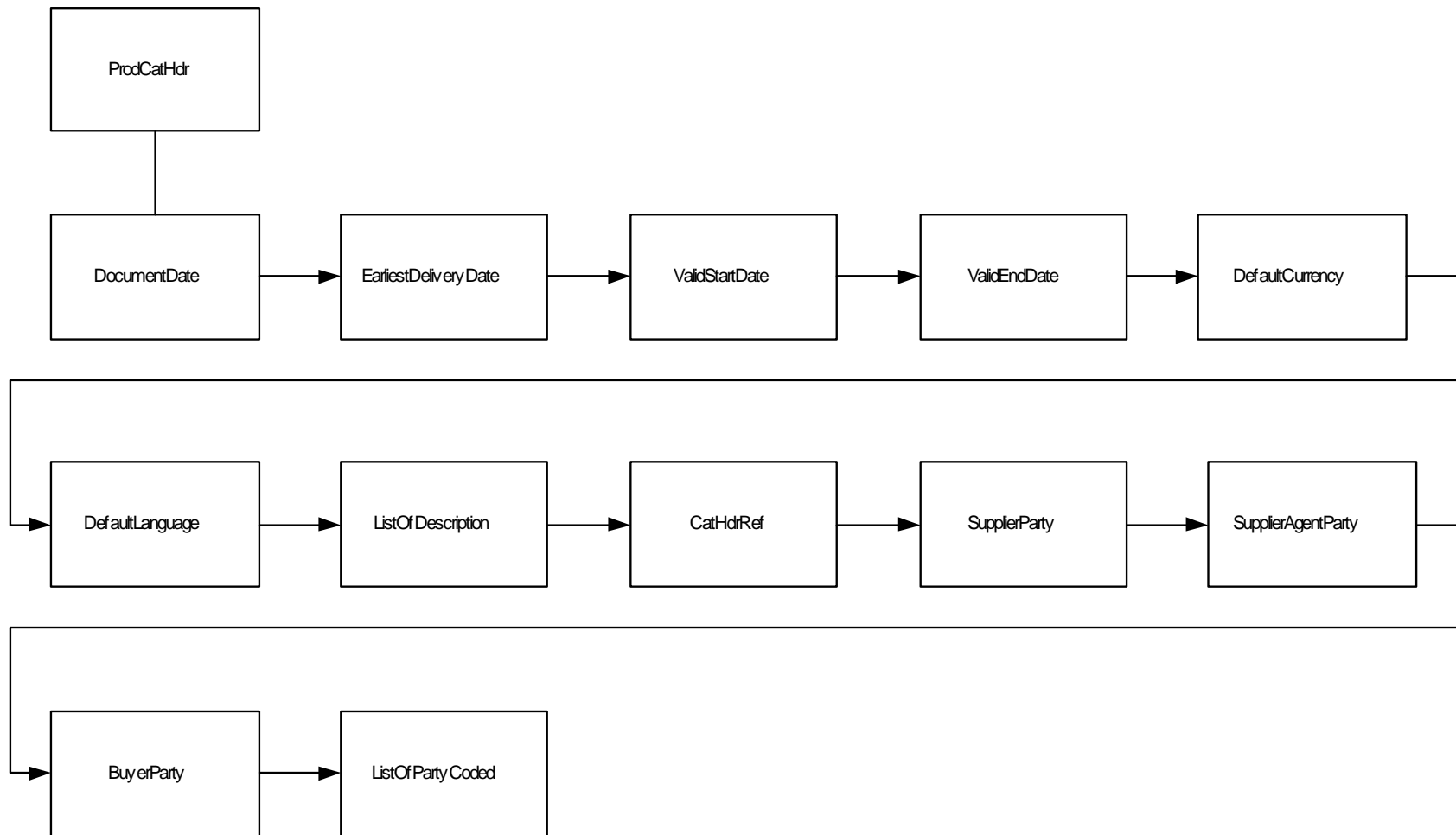
ProdCatHdr

The ProdCatHdr element contains general information for a product catalog. It consists of:

- A DocumentDate element, which specifies the date on which the catalog was produced.
- An optional EarliestDeliveryDate element, which specifies the earliest date the catalog can be delivered.
- An optional ValidStartDate element and an optional ValidEndDate element, which together specify the effective dates for the catalog.
- A DefaultCurrency element, which specifies the currency in which prices are expressed.
- A DefaultLanguage element, which specifies the language in which the catalog is written.
- A ListOfDescription element, which contains descriptions of the catalog in one or more languages.
- An optional CatHdrRef element, which contains references to other documents associated with the catalog.
- A SupplierParty element, which specifies the supplier's name and address.
- An optional SupplierAgentParty element, which specifies the name and address of the supplier's agent.
- An optional BuyerParty element, which specifies the buyer's name and address.
- An optional ListOfPartyCoded element, which specifies the names and addresses of other related parties.

[Source Code](#) ProdCatHdr.mod on page 1170

Structure



Contents

ProdCatHdr

.....DocumentDate.....*date* The date the catalog was produced.
.....EarliestDeliveryDate (optional).....*date* The earliest date the catalog can be delivered.
.....ValidStartDate (optional).....*date* The date the catalog becomes valid.
.....ValidEndDate (optional).....*date* The date the catalog becomes invalid.
.....DefaultCurrency.....*CurrencyCode* The ISO code for the catalog's default currency.
.....DefaultLanguage.....*LangCode* The ISO code for the catalog's default language.
.....ListOfDescription.....Descriptions of the catalog in one or more languages.

Repeating element Description

.....Description.....A description of the catalog.
.....@Lang.....The language in which the description is written.

End of repeating element Description

.....CatHdrRef (optional)
.....CustRefNum (optional)
.....Reference
.....RefNum.....*string* The number of the related customer.
.....RefDate (optional).....*datetime* The associated date.
.....ContractNum (optional)
.....Reference
.....RefNum.....*string* The number of the related contract.
.....RefDate (optional).....*datetime* The associated date.
.....ProdCat (optional)
.....Reference
.....RefNum.....*string* The number of the related product catalog.
.....RefDate (optional).....*datetime* The associated date.
.....PriceCat (optional)
.....Reference
.....RefNum.....*string* The number of the related price catalog.
.....RefDate (optional).....*datetime* The associated date.
.....SupplierParty.....Information about the supplier.
.....Party
.....@PartyID.....*string* The identification number for the party.
.....@AgencyID.....*AgencyCode* The agency that issued the party's identification number.
.....@AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.
.....ListOfIdentifier (optional)
.....Identifier
.....Agency

.....@AgencyID.....*AgencyCode* The standards agency.
@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.
 Identifier (optional)
 Agency

.....@AgencyID.....*AgencyCode* The standards agency.
@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.

..... Name1.....*string* The first line of the name.
 Name2 (optional).....*string* The second line of the name.
 Name3 (optional).....*string* The third line of the name.
 Address1.....*string* The first line of the street address.
 Address2 (optional).....*string* The second line of the street address.
 Address3 (optional).....*string* The third line of the street address.
 Address4 (optional).....*string* The fourth line of the street address.
 Address5 (optional).....*string* The fifth line of the street address.
 City.....*string* The city.
 StateOrProvince.....*string* The state or province.
 PostalCode.....*string* The zip or postal code.
 Country.....*CountryCode* The two-character country code.

..... OrderContact (optional)
 Contact
 Identifier (optional)
 Agency
@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
 AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
 "Other."

.....Ident.....*string* The coded identifier.
 ContactName.....*string* The employee or department name.
 Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
 Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
 ReceivingContact (optional)
 Contact
 Identifier (optional)
 Agency

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

.....SupplierAgentParty (optional).....Information about the supplier's agent.

..... Party

..... @PartyID.....*string* The identification number for the party.

..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier

..... Agency

.....@AgencyID.....*AgencyCode* The standards agency.

.....@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.

..... Identifier (optional)

..... Agency

.....@AgencyID.....*AgencyCode* The standards agency.

.....@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... Name1.....*string* The first line of the name.

..... Name2 (optional).....*string* The second line of the name.

..... Name3 (optional).....*string* The third line of the name.

..... Address1.....*string* The first line of the street address.

..... Address2 (optional).....*string* The second line of the street address.

..... Address3 (optional).....*string* The third line of the street address.

..... Address4 (optional).....*string* The fourth line of the street address.

..... Address5 (optional).....*string* The fifth line of the street address.

..... City.....*string* The city.

..... StateOrProvince.....*string* The state or province.

..... PostalCode.....*string* The zip or postal code.

..... Country.....*CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ReceivingContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... BuyerParty (optional).....*Information* about the buyer, provided if this is a buyer-specific catalog.
..... Party
..... @PartyID.....*string* The identification number for the party.
..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of
AgencyID is Other.
..... ListOfIdentifier (optional)
Repeating element Identifier
..... Identifier
..... Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
End of repeating element Identifier
..... NameAddress (optional).....*Name and address information* for the party.
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.

..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
..... OrderContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

.....OtherContacts (optional)

.....ListOfContactCoded

Repeating element ContactCoded

.....ContactCoded

.....Contact

.....Identifier (optional)

.....Agency

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

.....@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

.....ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContaListOfPartyCoded (optional)Information about other related parties.

End of repeating element ContactCoded

.....PartyCoded

.....Party

.....@PartyID.....*string* The identification number for the party.

.....@AgencyID.....*AgencyCode* The agency that issued the party's identification number.

.....@AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

.....ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier

.....Agency

.....@AgencyID.....*AgencyCode* The standards agency.
@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
Ident.....*string* The coded identifier.

End of repeating element Identifier

.....NameAddress (optional).....Name and address information for the party.
Identifier (optional)
Agency

.....@AgencyID.....*AgencyCode* The standards agency.
@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
Ident.....*string* The coded identifier.

.....Name1.....*string* The first line of the name.
Name2 (optional).....*string* The second line of the name.
Name3 (optional).....*string* The third line of the name.
Address1.....*string* The first line of the street address.
Address2 (optional).....*string* The second line of the street address.
Address3 (optional).....*string* The third line of the street address.
Address4 (optional).....*string* The fourth line of the street address.
Address5 (optional).....*string* The fifth line of the street address.
City.....*string* The city.
StateOrProvince.....*string* The state or province.
PostalCode.....*string* The zip or postal code.
Country.....*CountryCode* The two-character country code.

.....OrderContact (optional)
Contact
Identifier (optional)

.....Agency
@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
@AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.
ContactName.....*string* The employee or department name.
Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
Email (optional).....*string* The 1 to 80 character email address.
Fax (optional).....*string* The FAX number.

.....ReceivingContact (optional)
Contact
Identifier (optional)
Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... ShippingContact (optional)

..... Contact

.....Identifier (optional)

.....Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... OtherContacts (optional)

..... ListOfContactCoded

Repeating element ContactCoded

.....ContactCoded

.....Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

.....ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

.....PartyRole.....*PartyRoleCode* The role of the party. One of the following values: Buyer, Supplier, CentralCatParty, StoreNumber, SuppAgent, ProdInqNum, or Other.

.....PartyRoleOther (optional).....*string* The role of the party, specified if the value of PartyRole is Other.

Examples

```
<ProdCatHdr>
  <DocumentDate>19990509</DocumentDate>
  <DefaultCurrency>USD</DefaultCurrency>
  <DefaultLanguage>EN</DefaultLanguage>
  <ListOfDescription>
    <Description Lang="EN">Catalog Description</Description>
  </ListOfDescription>
  <SupplierParty>
    <Party AgencyID="CommerceOne" PartyID="1732" />
  </SupplierParty>
</ProdCatHdr>
```

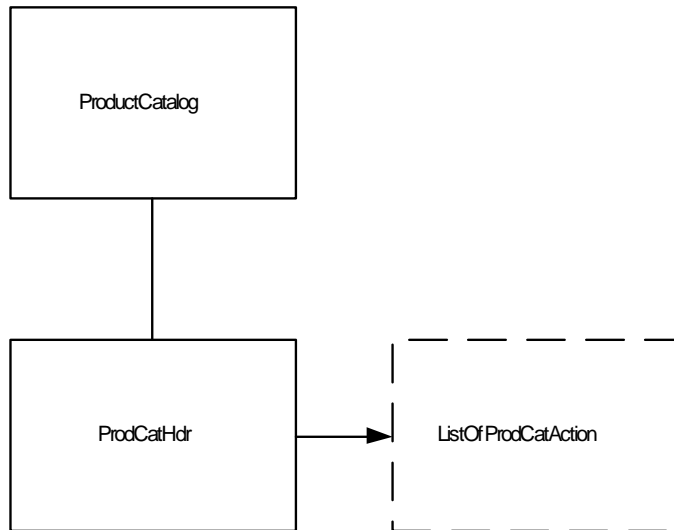
ProductCatalog

A ProductCatalog is based on the semantics of the SIMPL-EDI PROCAT message. The ProductCatalog document is used to exchange product related information between trading partners. It provides technical and functional data related to products. Data exchanged in the ProductCatalog message normally does not change very frequently. ProductCatalog consists of:

- A ProdCatHdr element, which contains header information for the catalog.
- An optional ListOfProdCatAction element, which contains information about each entry in the catalog.

[Source Code](#) ProductCatalog.sox on page 1172

Structure



Contents

ProductCatalog

.....ProdCatHdr

..... DocumentDate.....*date* The date the catalog was produced.

..... EarliestDeliveryDate (optional).....*date* The earliest date the catalog can be delivered.

..... ValidStartDate (optional).....*date* The date the catalog becomes valid.

..... ValidEndDate (optional).....*date* The date the catalog becomes invalid.

.....DefaultCurrency.....*CurrencyCode* The ISO code for the catalog's default currency.
DefaultLanguage.....*LangCode* The ISO code for the catalog's default language.
ListOfDescription.....Descriptions of the catalog in one or more languages.

Repeating element Description

.....Description.....A description of the catalog.
@Lang.....The language in which the description is written.

End of repeating element Description

.....CatHdrRef (optional)
CustRefNum (optional)
Reference
RefNum.....*string* The number of the related customer.
RefDate (optional).....*datetime* The associated date.
ContractNum (optional)
Reference
RefNum.....*string* The number of the related contract.
RefDate (optional).....*datetime* The associated date.
ProdCat (optional)
Reference
RefNum.....*string* The number of the related product catalog.
RefDate (optional).....*datetime* The associated date.
PriceCat (optional)
Reference
RefNum.....*string* The number of the related price catalog.
RefDate (optional).....*datetime* The associated date.
SupplierParty.....Information about the supplier.
Party
@PartyID.....*string* The identification number for the party.
@AgencyID.....*AgencyCode* The agency that issued the party's identification number.
@AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

.....ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier
Agency
@AgencyID.....*AgencyCode* The standards agency.
@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
Ident.....*string* The coded identifier.

End of repeating element Identifier

.....NameAddress (optional).....Name and address information for the party.

..... Identifier (optional)
.....Agency
.....@AgencyID.....AgencyCode The standards agency.
.....@AgencyOther.....string The standards agency, used when AgencyID has a value of "Other."
.....Ident.....string The coded identifier.
.....Name1.....string The first line of the name.
.....Name2 (optional).....string The second line of the name.
.....Name3 (optional).....string The third line of the name.
.....Address1.....string The first line of the street address.
.....Address2 (optional).....string The second line of the street address.
.....Address3 (optional).....string The third line of the street address.
.....Address4 (optional).....string The fourth line of the street address.
.....Address5 (optional).....string The fifth line of the street address.
.....City.....string The city.
.....StateOrProvince.....string The state or province.
.....PostalCode.....string The zip or postal code.
.....Country.....CountryCode The two-character country code.
..... OrderContact (optional)
..... Contact
.....Identifier (optional)
.....Agency
.....@AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther.....string The agency responsible for part numbers, used when AgencyID has a value of
"Other."
.....Ident.....string The coded identifier.
.....ContactName.....string The employee or department name.
.....Telephone.....string The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....string The 1 to 80 character email address.
.....Fax (optional).....string The FAX number.
..... ReceivingContact (optional)
..... Contact
.....Identifier (optional)
.....Agency
.....@AgencyID.....agencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther.....string The agency responsible for part numbers, used when AgencyID has a value of
"Other."
.....Ident.....string The coded identifier.

.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... SupplierAgentParty (optional).....Information about the supplier's agent.
..... Party
..... @PartyID.....*string* The identification number for the party.
..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of
AgencyID is Other.
..... ListOfIdentifier (optional)
Repeating element Identifier
..... Identifier
.....Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
End of repeating element Identifier
..... NameAddress (optional).....Name and address information for the party.
..... Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.

..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
..... OrderContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
..... Identifier (optional)

.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
.....BuyerParty (optional).....Information about the buyer, provided if this is a buyer-specific catalog.
.....Party
..... @PartyID.....*string* The identification number for the party.
..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.
..... ListOfIdentifier (optional)
Repeating element Identifier
..... Identifier
.....Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
End of repeating element Identifier
..... NameAddress (optional).....Name and address information for the party.
..... Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
.....Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.

..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
..... OrderContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
Email (optional).....*string* The 1 to 80 character email address.
Fax (optional).....*string* The FAX number.
 OtherContacts (optional)
 ListOfContactCoded

Repeating element ContactCoded

.....ContactCoded
Contact
 Identifier (optional)
 Agency
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
 @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.
 ContactName.....*string* The employee or department name.
 Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
 Email (optional).....*string* The 1 to 80 character email address.
 Fax (optional).....*string* The FAX number.
 ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContaListOfPartyCoded (optional)Information about other related parties.

End of repeating element ContactCoded

..... PartyCoded
 Party
 @PartyID.....*string* The identification number for the party.
 @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
 @AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.
 ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier
Agency
 @AgencyID.....*AgencyCode* The standards agency.
 @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
 Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.
Identifier (optional)

.....Agency
..... @AgencyID.....AgencyCode The standards agency.
..... @AgencyOther.....string The standards agency, used when AgencyID has a value of "Other."
..... Ident.....string The coded identifier.
.....Name1.....string The first line of the name.
.....Name2 (optional).....string The second line of the name.
.....Name3 (optional).....string The third line of the name.
.....Address1.....string The first line of the street address.
.....Address2 (optional).....string The second line of the street address.
.....Address3 (optional).....string The third line of the street address.
.....Address4 (optional).....string The fourth line of the street address.
.....Address5 (optional).....string The fifth line of the street address.
.....City.....string The city.
.....StateOrProvince.....string The state or province.
.....PostalCode.....string The zip or postal code.
.....Country.....CountryCode The two-character country code.
..... OrderContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....string The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....string The coded identifier.
.....ContactName.....string The employee or department name.
.....Telephone.....string The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....string The 1 to 80 character email address.
.....Fax (optional).....string The FAX number.
..... ReceivingContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....string The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....string The coded identifier.
.....ContactName.....string The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
.....Contact
.....Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
.....ListOfContactCoded
Repeating element ContactCoded
.....ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther...*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact,
ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.
End of repeating element ContactCoded
..... PartyRole.....*PartyRoleCode* The role of the party. One of the following values: Buyer, Supplier,
CentralCatParty, StoreNumber, SuppAgent, ProdInqNum, or Other.
..... PartyRoleOther (optional).....*string* The role of the party, specified if the value of PartyRole is Other.

.....ListOfProdCatAction (optional)

Repeating element ProdCatAction

..... ProdCatAction

..... ProdCatDetail

..... ProdAction

..... PartNum.....The part number of the item.

..... Agency.....The agency that assigned the part code.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

..... ListOfDescription (optional).....Descriptions of the item in one or more languages.

Repeating element Description

..... Description.....A description of the language.

..... @Lang.....*LangCode* The ISO code for the language in which the description is written.

End of repeating element Description

..... RelatedParts (optional)

..... AdditionalIDs (optional).....Other part numbers by which this part is known.

..... ListOfPartNum.....One or more additional part numbers for this part.

Repeating element PartNum

..... PartNum.....An additional part number that has been assigned to this part.

..... Agency.....The agency that assigned the part number.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

..... CanSubstituteBy (optional).....Parts that may be substituted when this part is not available.

..... ListOfPartNum.....One or more part numbers that may be substituted when this part is not available.

Repeating element PartNum

..... PartNum.....The part number that may be substituted when this part is not available.

..... Agency.....The agency that assigned the part number.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).that assigned the part number.

..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
End of repeating element PartNum
..... SubstituteBy (optional).....Parts that are substitutes for this part.
..... ListOfPartNum.....One or more part numbers that are substitutes for this part.
Repeating element PartNum
..... PartNum.....The part number that is substituted for this part.
..... Agency.....The agency that assigned the part number.
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.
..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of
"Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
End of repeating element PartNum
..... SubstituteFor (optional).....Parts for which this part is a substitute.
..... ListOfPartNum.....One or more parts for which this part is a substitute.
Repeating element PartNum
..... PartNum.....The part number for which this part is substituted.
..... Agency.....The agency that assigned the part number.
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.
..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of
"Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
End of repeating element PartNum
..... CrossRef (optional).....Other parts that are referenced by this part.
..... ListOfPartNum.....One or more parts that are referenced by this part.
Repeating element PartNum
..... PartNum.....The part number of the referenced part.
..... Agency.....The agency that assigned the part number.
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.
..... @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of
"Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
End of repeating element PartNum

..... OtherPartNum (optional).....Other related parts.
ListOfRelatedPartNum.....One or more parts that are related to this part.

Repeating element RelatedPartNum

..... RelatedPartNum.....The part number of the related part.
 @RelatedPartType
 PartNum.....The part number.
 Agency.....The agency that assigned the part number.
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.
 @AgencyOther.....*string* The agency that assigned the part number, specified when AgencyID has a value of "Other."
 PartID.....*string* The unique identifier for the part.

End of repeating element RelatedPartNum

..... PartIDExt (optional).....*string* The part number extension.AdditionalIDs (optional)
 ValidStartDate (optional).....The first date on which the catalog entry is valid.
 ValidEndDate (optional).....The last date on which the catalog entry is valid.
 AvailStartDate (optional).....The first date on which the product is available.
 AvailEndDate (optional).....The last date on which the product is available.
 LeadTimeDays (optional).....The number of days lead time required for timely delivery.
 ListOfDimension (optional).....One or more product measurements.

Repeating element Dimension

..... Dimension
 @DimName.....*DimensionCode* The name of the dimension being measured.
 @DimNameOther.....*string* The name of the dimension, specified if the value of DimName is other.
 @UnitOfMeasure.....*UOMCode* The unit of measurement.
 @Equality.....*EqualityCode* The relationship (greater than, less than, or equal to) of the measured value to the unit of measurement.

End of repeating element Dimension

..... ListOfProdCatDoc (optional)

Repeating element ProdCatDoc

..... ProdCatDoc
 DocName (optional).....*DocumentCode* The name of the document.
 DocNameOther (optional).....*string* The name of the document, specified if the value of DocName is Other.
 Agency (optional)
 @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other).
 @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
 DocNum (optional).....*string* The reference number assigned to the document.

End of repeating element ProdCatDoc

..... ListOfProdCatGroup (optional)

Repeating element ProdCatGroup

..... ProdCatGroup

..... GroupType.....*ProdCatGroupType* The characteristic (Catalog, SamePrice, or ProdGroup) by which the products are being grouped.

..... GroupCode (optional).....*string* The code for the product group.

..... Agency (optional)

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other) that understands the product group code.

..... @AgencyOther.....*string* The agency that understands the product group code, specified when AgencyID has a value of "Other."

..... GroupName (optional).....*string* The name of the product group.

End of repeating element ProdCatGroup

..... LongDesc (optional).....One or more long descriptions (up to 2,000 characters) of the product.

..... ListOfLangString.....Long descriptions of the product in one or more languages.

Repeating element LangString

..... LangString.....*string* A text string.

..... @Lang.....*LangCode* The ISO code for the language in which the text string is written.

End of repeating element LangString

..... ListOfDescInfo (optional)

Repeating element DescInfo

..... DescInfo

..... AttrbCode.....*DescInfoAttrbCode* The attribute that is being described. one of the following values: Finish, Quality, Color, Grade, Keyword, or Other.

..... AttrbCodeOther (optional).....The name of the attribute, specified if AttrbCode has a value of Other.

..... LangString.....*string* The name of the attribute.

..... @Lang.....*LangCode* The ISO code for the language in which the attribute is described.

..... ValueCode (optional).....*DescInfoValueCode* The value (Red, Orange, Yellow, green, Blue, Violet, A, or Other) with respect to the attribute.

..... ValueOther (optional)

..... LangString.....*string* The name of the attribute.

..... @Lang.....*LangCode* The ISO code for the language in which the value is described.

..... Agency.....The name of the agency responsible for the codes.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other) responsible for the codes.

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of MinOrder (optional)

End of repeating element DescInfo

..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

..... UOMCode.....*UOMCode* The unit of measurement.

..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
 MinOrder (optional).....*Decimal15_3* The minimum number of units of the product that may be ordered.
 MaxOrder (optional).....*Decimal15_3* The maximum number of units of the product that may be ordered. If not
 specified, an unlimited quantity may be ordered.
 LotSize (optional).....*Decimal15_3* The lot size for the product.
 ListOfProdAttribute (optional).....The technical attributes of the product.

Repeating element ProdAttribute

..... ProdAttribute

You MUST choose one of the following: CodedAttribName or AttribName

.....CodedAttribName (optional).....*CodedValue* The code that represents the attribute.
CodedValue
 Agency
 @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier,
 AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the
 following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer,
 ANSI, GBABA, or Other.
 @AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value
 of Other.
 CodeList (optional).....*string* The name or description of the code list.
 Value.....*string* The coded value.

Or

.....AttribName (optional).....The name of the attribute.
LangString.....*string* A text string.
 @Lang.....*LangCode* The ISO code for the language in which the text string is written.

End of choice between CodedAttribName and AttribName

You MUST choose one of the following: CodedAttribValue, AttribValue, or Measurement

.....CodedAttribValue (optional)..... The code that represents the attribute's value.
CodedValue
 Agency
 @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier,
 AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the
 following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer,
 ANSI, GBABA, or Other.
 @AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value
 of Other.
 CodeList (optional).....*string* The name or description of the code list.
 Value.....*string* The coded value.

Or

.....AttribValue (optional).....The attribute value in text.

.....LangString.....*string* A text string.
@Lang.....*LangCode* The ISO code for the language in which the text string is written.

Or

.....Measurement (optional).....*Decimal18_3* The measured value of the attribute.
@UnitOfMeasurement.....*UOMCode* The unit of measurement (for exmple, feet).
@Equality.....*EqualityCode* The relationship of the measured property to the unit of measurement

End of choice among CodedAttribValue, AttribValue, and Measurement

End of repeating element ProdAttribute

.....ListOfAttachment (optional)

Repeating element Attachment

.....Attachment
@Attachment.....The URI for the attachment.
Purpose.....*string* 1 to 70 character description of the attachment's function (for example, Blueprint).
FileName (optional).....*string* 1 to 70 character file name of the attachment.
Title (optional).....*string* 1 to 70 character title of the attachment.
Language (optional).....*LangCode* The language in which the attachment is written.

End of repeating element Attachment

.....ListOfKeyVal (optional)

Repeating element KeyVal

.....KeyVal.....*string* The value with respect to this keyword.
@Lang.....*LangCode* The language in which the keyword is written. If not specified, it is assumed that the language is known by context.
@Keyword.....*string* The keyword.

End of repeating element KeyVal

.....CategoryUNSPSC (optional)

.....ListOfCategory (optional)

Repeating element Category

.....Category
CategoryID.....*string* The unique identifier for the category.
TreeName.....*TreeNameCode* The name of the tree. one of the following values: SupplierTree, BuyerTree, UNSPSC, NIGP, or Other.
TreeNameOther (optional).....*string* The name of the tree, specified if TreeName has a value of Other.

.....Agency (optional)

.....@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.

.....@AgencyOther.....*string* The standards agency responsible for the code list, specified if Agency has a value of Other.

End of repeating element Category

.....CountryOfOrigin (optional)

.....ListOfSpecialCond (optional).....One or more special conditions to which the item is subject.

Repeating element SpecialCond

.....SpecialCond

.....CondCode.....*SpecialCondCode* The special condition to which the item is subject. One of the following values: SubjectToBonus, SubjectToCommission, PriceIncludesExcise, PriceIncludesTax, SubjectToExportRestrictions, PromotionalPrice, Service, Loan, Rental, Processing, Exchange, Return, or Other.

.....CondCodeOther (optional).....*string* The special condition to which the item is subject, specified if the value of CondCode is Other.

End of repeating element SpecialCond

.....ListOfReferenceCoded (optional)

Repeating element ReferenceCoded

.....ReferenceCoded

.....Reference

.....RefNum.....*string* The document being referenced.

.....RefDate (optional).....*datetime* The date of the reference.

.....RefCode.....*ReferenceCode* The type of reference (CustRefNum, ContractNum, PrevProdCat, PriceListNum, ProdInqNum, or Other)

.....RefCodeOther (optional).....*string* the type of reference, specified if RefCode has a value of Other.

End of repeating element ReferenceCoded

.....MfrParty (optional)

.....Party

.....@PartyID.....*string* The identification number for the party.

.....@AgencyID.....*AgencyCode* The agency that issued the party's identification number.

.....@AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

.....ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier

.....Agency

.....@AgencyID.....*AgencyCode* The standards agency.

.....@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

End of repeating element Identifier

.....NameAddress (optional).....Name and address information for the party.

.....Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
.....OrderContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....ReceivingContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....OtherContacts (optional)
.....ListOfContactCoded
Repeating element ContactCoded
..... ContactCoded
..... Contact
..... Identifier (optional)
.....Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther...*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
.....Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact,
ReceivingContact, InfoContact, PurchasingCont
End of repeating element ContactCoded
..... ListOfPartyCoded (optional)
Repeating element PartyCoded
..... PartyCoded

.....Party

.....@PartyID.....*string* The identification number for the party.

.....@AgencyID.....*AgencyCode* The agency that issued the party's identification number.

.....@AgencyOther.....*string* The agency that issued the identification number, specified if the value of AgencyID is Other.

.....ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier

.....Agency

.....@AgencyID.....*AgencyCode* The standards agency.

.....@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

End of repeating element Identifier

.....NameAddress (optional).....Name and address information for the party.

.....Identifier (optional)

.....Agency

.....@AgencyID.....*AgencyCode* The standards agency.

.....@AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....Name1.....*string* The first line of the name.

.....Name2 (optional).....*string* The second line of the name.

.....Name3 (optional).....*string* The third line of the name.

.....Address1.....*string* The first line of the street address.

.....Address2 (optional).....*string* The second line of the street address.

.....Address3 (optional).....*string* The third line of the street address.

.....Address4 (optional).....*string* The fourth line of the street address.

.....Address5 (optional).....*string* The fifth line of the street address.

.....City.....*string* The city.

.....StateOrProvince.....*string* The state or province.

.....PostalCode.....*string* The zip or postal code.

.....Country.....*CountryCode* The two-character country code.

.....OrderContact (optional)

.....Contact

.....Identifier (optional)

.....Agency

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

.....@AgencyOther...*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....ReceivingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther...*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther...*string* The agency responsible for part numbers, used when AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....OtherContacts (optional)
.....ListOfContactCoded
Repeating element ContactCoded
..... ContactCoded
..... Contact
.....Identifier (optional)
.....Agency

..... @AgencyID.*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther*string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... ContactFunctionCode*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

.....PartyRole.....*PartyRoleCode* The role of the party. One of the following values: Buyer, Supplier, CentralCatParty, StoreNumber, SuppAgent, ProdInqNum, or Other.

.....PartyRoleOther (optional).....*string* The role of the party, specified if the value of PartyRole is Other.

End of repeating element PartyCoded

..... ListofHazardous (optional)

Repeating element Hazardous

..... Hazardous

.....Agency (optional)

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that codified the hazard.

..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."

.....HazardCode (optional).....*string* The coded identifier for the hazard.

.....CodeExt (optional).....*string* An optional extension that further qualifies the hazard code.

.....CodeVer (optional).....*string* The version number of the hazard code.

.....HazardText (optional).....Descriptions of the hazard in one or more languages.

.....ListOfLangString.....The text of the descriptions.

..... LangString.....A description of the hazard.

..... @Lang.....*LangCode* The ISO code for the language in which the description is written.

.....UNDGNum (optional).....*int* The United nations Dangerous Goods Code for the hazard.

.....Flashpoint (optional).....*Decimal8_2* The lowest temperature, in degrees centigrade, at which vapor from the substance combines with air to form an ignitable mixture.

.....PackingCode (optional).....*HazardPackingCode* Packing criteria for the substance as assigned by IATA/IMDB/ADR/RID. one of the following values: Not Specified, Great Danger, Medium Danger, or Minor Danger.

.....EMSNum (optional).....*string* Emergency procedures for ships carrying the goods.

.....TremCardNum (optional).....*string* Medical first aid guide.

End of repeating element Hazardous

..... NumPkgs (optional)
..... ListOfPackage (optional)
Repeating element package
..... Package
..... ListOfPackageInfo (optional)
..... PackageInfo..... *PackageInfoCode* The type of coding that appears on the package.
..... ListOfPackageType (optional)
Repeating element PackageType
..... PackageType
..... TypeCode..... *PackageTypeCode* The type of packaging. One of the following values: None, Other, OnewayPallet, ReturnablePallet, or barrel.
..... TypeCodeOther (optional)..... *string* The type of packaging, specified if the value of TypeCode is Other.
..... CodeList (optional)..... *string* The name of the code list.
..... Agency (optional)
..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or other).
..... @AgencyOther..... *string* The agency, specified when AgencyID has a value of "Other."
..... ListOfDescription (optional)
Repeating element Description
..... Description
..... @Lang..... *LangCode* The ISO code for the language in which the description is written.
End of repeating element Description
End of repeating element PackageType
..... ListOfDimension (optional)
Repeating element Dimension
..... Dimension
..... @DimName..... *DimensionCode* The name of the dimension being measured.
..... @DimNameOther..... *string* The name of the dimension, specified if the value of DimName is other.
..... @UnitOfMeasure..... *UOMCode* The unit of measurement.
..... @Equality..... *EqualityCode* The relationship (greater than, less than, or equal to) of the measured value to the unit of measurement.
End of repeating element Dimension
..... ListOfPackageMark (optional)
Repeating element PackageMark
..... PackageMark..... *PackageMarkCode* A code indicating how the package should be marked. One of the following values: NoSupplierName, CustomerCoName, CustomerRefs, MinorDanger, or Price.
End of repeating element PackageMark
..... MarkText (optional)

.....ListOfLangString
Repeating element LangString
.....LangString.....*string* Freeform text to appear on the package.
..... @Lang.....*LangCode* The ISO code for the language in which the text string is written.
End of repeating element LangString
..... ListOfPartTreeNode (optional)
Repeating element PartTreeNode
..... PartTreeNode
.....@Relation.....*ParentChild* Indicates whether this node is a Parent or a Child of the related part
.....PartNum
.....Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....*string* The agency, specified when AgencyID has a value of "Other."
.....PartID.....*string* The unique identifier for the part.
.....PartIDExt (optional).....*string* The part number extension.
.....ListOfQuantity (optional)
Repeating element Quantity
.....Quantity
.....Qty.....*Decimal15_3* The quantity of the item.
.....UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
.....UOMCode.....*UOMCode* The unit of measurement.
.....UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
End of repeating element Quantity
.....ListOfProdAttribute (optional)
Repeating element ProdAttribute
.....ProdAttribute
You MUST choose one of the following: CodedAttribName or AttribName
.....CodedAttribName (optional)... *CodedValue* The code that represents the attribute.
.....CodedValue
.....Agency
.....@AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.
.....@AgencyOther... *string* The standards agency responsible for the code list, specified if Agency has a value of Other.
.....CodeList (optional)... *string* The name or description of the code list.
.....Value.....*string* The coded value.

Or

..... *AttribName* (optional)..... The name of the attribute.
 *LangString*..... *string* A text string.
 *@Lang*..... *LangCode* The ISO code for the language in which the text string is written.

End of choice between CodedAttribName and AttribName

You MUST choose one of the following: CodedAttribValue, AttribValue, or Measurement

..... *CodedAttribValue* (optional).... The code that represents the attribute's value.
 *CodedValue*
 *Agency*
 *@AgencyID*..... *AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for the code list. One of the following values: CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other.
 *@AgencyOther*... *string* The standards agency responsible for the code list, specified if Agency has a value of Other.
 *CodeList* (optional).... *string* The name or description of the code list.
 *Value*..... *string* The coded value.

Or

..... *AttribValue* (optional)..... The attribute value in text.
 *LangString*..... *string* A text string.
 *@Lang*..... *LangCode* The ISO code for the language in which the text string is written.

Or

..... *Measurement* (optional)..... *Decimal18_3* The measured value of the attribute.
 *@UnitOfMeasurement*..... *UOMCode* The unit of measurement (for exmple, feet).
 *@Equality*..... *EqualityCode* The relationship of the measured property to the unit of measurement

End of choice among CodedAttribValue, AttribValue, and Measurement

End of repeating element PartTreeNode

Or

..... *CatalogDelete*
 *PartNum*..... The part number to be deleted from the catalog.
 *Agency*..... the agency that issued the part number.
 *@AgencyID*..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
 *@AgencyOther*..... *string* The agency, specified when AgencyID has a value of "Other."
 *PartID*..... *string* The unique identifier for the part.
 *PartIDExt* (optional)..... *string* The part number extension.
 *EffectiveDate*..... *date* The date on which the part is to be removed from the catalog.

Examples

```
<?soctype ProductCatalog urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0?>
<!-- A Product Catalog: A list of product information. -->
<ProductCatalog>
  <ProdCatHdr>
    <DocumentDate>19990509</DocumentDate>
    <DefaultCurrency>USD</DefaultCurrency>
    <DefaultLanguage>EN</DefaultLanguage>
    <ListOfDescription>
      <Description Lang="EN">Catalog Description</Description>
    </ListOfDescription>
    <SupplierParty>
      <Party AgencyID="CommerceOne" PartyID="1732" />
    </SupplierParty>
  </ProdCatHdr>

  <ListOfProdCatAction>
    <ProdCatAction>
      <CatalogDelete>
        <PartNum>
          <Agency AgencyID="CommerceOne" />
          <PartID>1732|1812||</PartID>
        </PartNum>
      </CatalogDelete>
    </ProdCatAction>

    <ProdCatAction>
      <ProdCatDetail>
        <ProdAction>Add</ProdAction>

        <PartNum>
          <Agency AgencyID="CommerceOne" />
          <PartID>1732|12345||</PartID>
        </PartNum>

        <ListOfDescription>
          <Description Lang="EN">500 sheets white paper, 20#</Description>
        </ListOfDescription>
      </ProdCatDetail>
    </ProdCatAction>
  </ListOfProdCatAction>
</ProductCatalog>
```

```

<RelatedParts>
  <AdditionalIDs>
    <ListOfPartNum>
      <PartNum>
        <Agency AgencyID="AssignedByBuyer" />
        <PartID>XYZ12345</PartID>
      </PartNum>
      <PartNum>
        <Agency AgencyID="AssignedBySupplier" />
        <PartID>12345</PartID>
      </PartNum>
    </ListOfPartNum>
  </AdditionalIDs>

  <SubstituteFor>
    <ListOfPartNum>
      <PartNum>
        <Agency AgencyID="AssignedBySupplier" />
        <PartID>12386</PartID>
        <PartIDExt>A</PartIDExt>
      </PartNum>
    </ListOfPartNum>
  </SubstituteFor>

  <OtherPartNums>
    <ListOfRelatedPartNum>
      <RelatedPartNum RelatedPartType="Version">
        <Agency AgencyID="AssignedBySupplier" />
        <PartID>123.2</PartID>
      </RelatedPartNum>
    </ListOfRelatedPartNum>
  </OtherPartNums>
</RelatedParts>

<LeadTimeDays>5</LeadTimeDays>

<LongDesc>
  <ListOfLangString>

```

```

    <LangString Lang="EN">A high quality paper product
      designed for professional printing.
    </LangString>
  </ListOfLangString>
</LongDesc>

<ListOfDescInfo>
  <DescInfo>
    <AttribCode>Color</AttribCode>
    <ValueCode>Red</ValueCode>
  </DescInfo>
</ListOfDescInfo>

<UnitOfMeasure>EA</UnitOfMeasure>

<ListOfProdAttribute>
  <ProdAttribute>
    <AttribName>
      <LangString Lang="EN">Fabric</LangString>
    </AttribName>
    <AttribValue>
      <LangString Lang="EN">Red</LangString>
    </AttribValue>
  </ProdAttribute>

  <ProdAttribute>
    <AttribName>
      <LangString Lang="EN">Drawer Height</LangString>
    </AttribName>
    <Measurement UnitOfMeasure="FOT">1.0</Measurement>
  </ProdAttribute>
</ListOfProdAttribute>

<ListOfAttachment>
  <Attachment Attachment="http://www.mysite.com/xyz.gif">
    <Purpose>Drawing</Purpose>
  </Attachment>
</ListOfAttachment>

```

```
<ListOfKeyVal>
  <KeyVal Keyword="User Level">Professional</KeyVal>
  <KeyVal Keyword="Rating">Four Stars</KeyVal>
</ListOfKeyVal>

<CategoryUNSPSC>04378821</CategoryUNSPSC>

<ListOfCategory>
  <Category>
    <CategoryID>Printers</CategoryID>
    <TreeName>SupplierTree</TreeName>
  </Category>
</ListOfCategory>

<CountryOfOrigin>US</CountryOfOrigin>

<ListOfSpecialCond>
  <SpecialCond>
    <CondCode>PriceIncludesTax</CondCode>
  </SpecialCond>
</ListOfSpecialCond>

</ProdCatDetail>
</ProdCatAction>
</ListOfProdCatAction>
</ProductCatalog>
```

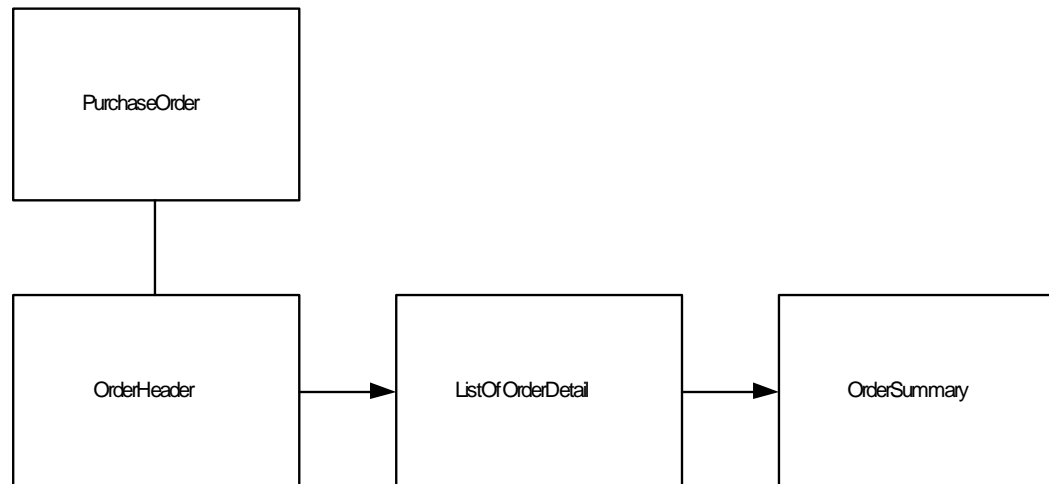
PurchaseOrder

The PurchaseOrder element contains a purchase order. It consists of:

- An OrderHeader document, which specifies dates, account codes, information about the buyer, the supplier, and other parties to the order, tax, currency, and language information, payment information, transport and delivery information, and other information that applies to the entire order.
- A ListOfOrderDetail document, which specifies information about individual line items.
- An OrderSummary document, which specifies the number of items ordered and the total cost.

[Source Code](#) PurchaseOrder.sox on page 1174

Structure



Contents

PurchaseOrder

.....OrderHeader

..... POIssuedDate.....*datetime* The date the purchase order was issued.

..... RequestedDeliveryDate.....*datetime* The date by which the customer would like to receive the goods.

..... ShipByDate (optional).....*datetime* The date by which the goods must be shipped to ensure timely delivery.

..... OrderReference
..... AccountCode
..... Reference
..... RefNum.....*string* The buyer's account number with this supplier.
..... RefDate (optional).....*datetime* The date of the reference.
..... BuyerRefNum
..... Reference
..... RefNum.....*string* The buyer's purchase order number.
..... RefDate (optional).....*datetime* The date of the reference.
..... SupplierRefNum (optional)
..... Reference
..... RefNum.....*string* The supplier's order number.
..... RefDate (optional).....*datetime* The date of the reference.
..... ListOfReferenceCoded (optional)
..... ReferenceCoded
..... Reference
..... RefNum.....*string* Another reference number.
..... RefDate (optional).....*datetime* The date of the reference.
..... RefCode.....*ReferenceCode* The type of reference (CustRefNum, ContractNum, PrevProdCat,
PriceListNum, ProdInqNum, or Other)
..... RefCodeOther (optional).....*string* The type of reference, specified if RefCode has a value of Other.
..... OrderParty
..... BuyerParty
..... Party
..... @PartyID.....*string* The identification number for the party.
..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of
AgencyID is Other.
..... ListOfIdentifier (optional)
Repeating element Identifier
..... Identifier
..... Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
End of repeating element Identifier
..... NameAddress (optional).....Name and address information for the party.
..... Identifier (optional)
..... Agency

..... @AgencyID..... *AgencyCode* The standards agency.

..... @AgencyOther..... *string* The standards agency, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... Name1..... *string* The first line of the name.

..... Name2 (optional)..... *string* The second line of the name.

..... Name3 (optional)..... *string* The third line of the name.

..... Address1..... *string* The first line of the street address.

..... Address2 (optional)..... *string* The second line of the street address.

..... Address3 (optional)..... *string* The third line of the street address.

..... Address4 (optional)..... *string* The fourth line of the street address.

..... Address5 (optional)..... *string* The fifth line of the street address.

..... City..... *string* The city.

..... StateOrProvince..... *string* The state or province.

..... PostalCode..... *string* The zip or postal code.

..... Country..... *CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther..... *string* The agency responsible for part numbers, used when AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

..... ReceivingContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther..... *string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
.....Contact
.....Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when @AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
.....ListOfContactCoded
Repeating element ContactCoded
..... ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther...*string* The agency responsible for part numbers, used when @AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact,
ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.ListOfIdentifier
(optional)
End of repeating element ContactCoded
..... ShipToParty (optional)
..... Party
..... @PartyID.....*string* The identification number for the party.
..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of @AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier

.....Agency

..... @AgencyID.....*AgencyCode* The standards agency.

..... @AgencyOther.....*string* The standards agency, used when @AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.

.....Identifier (optional)

.....Agency

..... @AgencyID.....*AgencyCode* The standards agency.

..... @AgencyOther.....*string* The standards agency, used when @AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... Name1.....*string* The first line of the name.

..... Name2 (optional).....*string* The second line of the name.

..... Name3 (optional).....*string* The third line of the name.

..... Address1.....*string* The first line of the street address.

..... Address2 (optional).....*string* The second line of the street address.

..... Address3 (optional).....*string* The third line of the street address.

..... Address4 (optional).....*string* The fourth line of the street address.

..... Address5 (optional).....*string* The fifth line of the street address.

..... City.....*string* The city.

..... StateOrProvince.....*string* The state or province.

..... PostalCode.....*string* The zip or postal code.

..... Country.....*CountryCode* The two-character country code.

..... OrderContact (optional)

.....Contact

.....Identifier (optional)

.....Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
.....Contact
.....Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when @AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
.....Contact
.....Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when @AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
.....ContactName.....*string* The employee or department name.
.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
.....ListOfContactCoded
Repeating element ContactCoded
.....ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther...*string* The agency responsible for part numbers, used when @AgencyID has a value of
"Other."

..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.ListOfIdentifier (optional)

End of repeating element ContactCoded

..... SupplierParty
..... Party
..... @PartyID.....*string* The identification number for the party.
..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.
..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of @AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier
.....Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when @AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.
.....Identifier (optional)
.....Agency
..... @AgencyID.....*AgencyCode* The standards agency.
..... @AgencyOther.....*string* The standards agency, used when @AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
.....Name1.....*string* The first line of the name.
.....Name2 (optional).....*string* The second line of the name.
.....Name3 (optional).....*string* The third line of the name.
.....Address1.....*string* The first line of the street address.
.....Address2 (optional).....*string* The second line of the street address.
.....Address3 (optional).....*string* The third line of the street address.
.....Address4 (optional).....*string* The fourth line of the street address.
.....Address5 (optional).....*string* The fifth line of the street address.
.....City.....*string* The city.
.....StateOrProvince.....*string* The state or province.

.....PostalCode.....*string* The zip or postal code.

.....Country.....*CountryCode* The two-character country code.

..... OrderContact (optional)

.....Contact

.....Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... ReceivingContact (optional)

.....Contact

.....Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... ShippingContact (optional)

.....Contact

.....Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... OtherContacts (optional)

.....ListOfContactCoded

Repeating element ContactCoded

.....ContactCoded

..... Contact

..... Identifier (optional)

..... Agency

.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

.....@AgencyOther...*string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.ListOfIdentifier (optional)

End of repeating element ContactCoded

..... BillToParty (optional)

..... Party

..... @PartyID.....*string* The identification number for the party.

..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of @AgencyID is Other.

..... ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier

.....Agency

..... @AgencyID.....*AgencyCode* The standards agency.

..... @AgencyOther.....*string* The standards agency, used when @AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

End of repeating element Identifier

..... NameAddress (optional).....Name and address information for the party.

.....Identifier (optional)

.....Agency

..... @AgencyID..... *AgencyCode* The standards agency.

..... @AgencyOther..... *string* The standards agency, used when @AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... Name1..... *string* The first line of the name.

..... Name2 (optional)..... *string* The second line of the name.

..... Name3 (optional)..... *string* The third line of the name.

..... Address1..... *string* The first line of the street address.

..... Address2 (optional)..... *string* The second line of the street address.

..... Address3 (optional)..... *string* The third line of the street address.

..... Address4 (optional)..... *string* The fourth line of the street address.

..... Address5 (optional)..... *string* The fifth line of the street address.

..... City..... *string* The city.

..... StateOrProvince..... *string* The state or province.

..... PostalCode..... *string* The zip or postal code.

..... Country..... *CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther..... *string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

..... ReceivingContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther..... *string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.
.....Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
.....Contact
.....Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when @AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... OtherContacts (optional)
.....ListOfContactCoded
Repeating element ContactCoded
..... ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther... ..*string* The agency responsible for part numbers, used when @AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact,
ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.ListOfIdentifier
(optional)
End of repeating element ContactCoded
..... ListOfPartyCoded (optional)
Repeating element PartyCoded
..... PartyCoded
..... Party

.....@PartyID.....*string* The identification number for the party.

.....@AgencyID.....*AgencyCode* The agency that issued the party's identification number.

.....@AgencyOther.....*string* The agency that issued the identification number, specified if the value of @AgencyID is Other.

.....ListOfIdentifier (optional)

Repeating element Identifier

.....Identifier

..... Agency

..... @AgencyID.....*AgencyCode* The standards agency.

..... @AgencyOther.....*string* The standards agency, used when @AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

End of repeating element Identifier

.....NameAddress (optional).....Name and address information for the party.

.....Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The standards agency.

..... @AgencyOther.....*string* The standards agency, used when @AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

.....Name1.....*string* The first line of the name.

.....Name2 (optional).....*string* The second line of the name.

.....Name3 (optional).....*string* The third line of the name.

.....Address1.....*string* The first line of the street address.

.....Address2 (optional).....*string* The second line of the street address.

.....Address3 (optional).....*string* The third line of the street address.

.....Address4 (optional).....*string* The fourth line of the street address.

.....Address5 (optional).....*string* The fifth line of the street address.

.....City.....*string* The city.

.....StateOrProvince.....*string* The state or province.

.....PostalCode.....*string* The zip or postal code.

.....Country.....*CountryCode* The two-character country code.

.....OrderContact (optional)

.....Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....ReceivingContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when @AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....ShippingContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when @AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....OtherContacts (optional)
.....ListOfContactCoded
Repeating element ContactCoded
..... ContactCoded
..... Contact
..... Identifier (optional)
.....Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

.....@AgencyOther.....*string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... PartyRole.....*PartyRoleCode* The role of the party. One of the following values: Buyer, Supplier, CentralCatParty, StoreNumber, SuppAgent, ProdInqNum, or Other.

..... PartyRoleOther (optional).....*string* The role of the party, specified if the value of PartyRole is Other.

End of repeating element PartyCoded

..... Tax (optional)

..... @FuncQual.....*TaxFuncQual* The function of the tax. One of the following values: CustomsDuty or Tax. Default value is Tax.

..... @Category.....*TaxCategory* The type of tax. One of the following values: Mixed, Exempt, Standard, freeExportItem, Zero, or Other. The default value is Standard.

..... @Type.....*TaxType* The type of tax. one of the following values: GST or VAT. The default value is GST.

..... TaxPercent.....*Decimal10_4* The rate of taxation, expressed as a percentage.

..... Location.....*string* The location of the taxing entity.

..... TaxId (optional).....*string* The tax identification number.

..... TaxAmount.....*Decimal18_3* The amount of the tax.

..... TaxableAmount.....*Decimal18_3* The amount subject to taxation.

..... OrderCurrency.....*CurrencyCode* The ISO code for the default currency of the purchase order .

..... OrderLanguage.....*LangCode* The default language of the purchase order.

..... Payment (optional)

..... PaymentMean.....*PaymentMeanCode* The means of payment. One of the following values: COD, Check, CreditCard, DebitCard, Invoice, or Other.

..... PaymentMeanOther (optional).....*string* The 1- to 70-character means of payment, specified when PaymentMean has a value of Other.

..... PaymentTerm.....*PaymentTermCode* The payment terms. One of the following values: Basic, Fixeddate, BasicDiscount, Instant, Discount, or Other.

..... PaymentTermOther (optional).....*string* A 1- to 70-character description of the payment terms, specified when the value of PaymentTerm is Other.

..... DiscountPercent (optional).....*Decimal10_4* The percentage discount offered for timely payment.

..... DiscountDaysDue (optional).....*int* The number of days after DiscountTimeRef for which DiscountTimeRef is available.

..... DiscountTimeRef (optional).....*PaymentTimeRef* The event relative to which the payment due date is calculated. One of the following values: InvoiceDate, SpecifiedDate, ShipmentDate, GoodsReceivedByBuyerDate, TransportArrivalDate, or Other.

..... DiscountTimeRefOther (optional).....*string* The event relative to which the payment due date is calculated if the value of DiscountTimeRef is Other.

..... NetDaysDue (optional).....*int* The number of days after NetTimeRef before payment is due.

..... NetTimeRef (optional).....*PaymentTimeRef* The event relative to which the payment due date is calculated. One of the following values: InvoiceDate, SpecifiedDate, ShipmentDate, GoodsReceivedByBuyerDate, TransportArrivalDate, or Other.

..... NetTimeRefOther (optional).....*string* The event relative to which the payment due date is calculated if NetTimeRef has a value of Other.

..... CardInfo (optional)

..... CardNum.....*string* The 1- to 17-character charge card number.

..... CardAuthCode (optional).....*string* The 1- to 35-character charge card authorization code.

..... CardRefNum (optional).....*string* The 1- to 35-character customer reference number.

..... CardExpirationDate.....*datetime* The charge card expiration date in YYMMDD format.

..... CardType (optional).....*CardTypeCode* The type (AMEX, VISA, MC, Discover, JCB, Diners, or Other) of credit card being used.

..... CardTypeOther (optional).....*string* The 1- to 70-character credit card type, specified if CardType has a value of Other.

..... CardHolderName (optional).....*string* The 1- to 30-character name imprinted on the credit card.

..... ListOfAllowOrCharge (optional)

Repeating element AllowOrCharge

..... AllowOrCharge

..... IsCharge.....*Boolean* True if the item is a tax, false if it is a discount.

..... Basis.....*AllowOrChgBasis* The basis (None, Quantity, Percent, Money, or Tax) for the allowance or charge.

..... SeqNo.....*int* The order in which this allowance or charge is applied, relative to other allowances and charges.

..... Desc

..... AllowOrChgDesc

..... RefID (optional).....*string* The supplier's code number for the charge or allowance.

..... ListOfDescription (optional).....*One or more descriptions of the allowance or charge. Each description must be in a different language.*

.....Description.....*string* A description of the allowance or charge.
..... @Lang.....*LangCode* The language in which the description is written.
..... ServiceCode.....*AllowOrChgServCode* The service (None, PickUp, COD, or Handling) with which the allowance or charge is associated.
..... StartDate (optional).....*date* The first date that the allowance or charge applies.
..... EndDate (optional).....*date* The last date that the allowance or charge applies.
You may choose one of the following: QuantityRange or MoneyRange
..... QuantityRange (optional)
..... Range.....The quantity that must be ordered for the allowance or charge to apply.
..... Min.....*Decimal18_3* The minimum quantity to which the allowance or charge applies.
..... Max.....*Decimal18_3* The maximum quantity to which the allowance or charge applies.
..... @UnitOfMeasure.....*UOMCode* The unit of measurement in which the minimum and maximum quantities are expressed.
Or
..... MoneyRange (optional).....The monetary amount that must be ordered for the allowance or charge to apply.
..... @Min.....*Decimal18_3* The minimum monetary amount to which the allowance or charge applies.
..... @Max.....*Decimal18_3* The maximum monetary amount to which the allowance or charge applies.
..... @Currency.....*CurrencyCode* The currency in which the minimum and maximum amounts are expressed.
End of choice between QuantityRange and MoneyRange
You MUST choose one of the following: Quantity, Money, Percent, or Tax
..... Quantity
..... Qty.....*Decimal15_3* The quantity of the product supplied free of charge.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
Or
..... Money.....The discount, expressed as a monetary amount.
..... @Currency.....*CurrencyCode* The currency in which the discount is expressed.
Or
..... Percent.....*Decimal10_4* The discount expressed as a percentage of cost.
Or
..... Tax
..... TaxPercent.....*Decimal10_4* The rate of taxation.
..... Location.....*string* The location of the taxing entity.
..... TaxId (optional).....*string* The tax identification number.
..... TaxAmount.....*Decimal18_3* The monetary amount of the tax.
..... TaxableAmount.....*Decimal18_3* The monetary amount subject to taxation.
..... @FuncQual.....*TaxFuncQual* The function (CustomsDuty or Tax) of the charge. The default value is Tax.

..... @Category.....	<i>TaxCategory</i> The tax category (Other, Mixed, Exempt, Standard, FreeExportItem, or Zero). The default value is Standard.
..... @Type.....	<i>TaxType</i> The tax type (GST or VAT). The default value is GST.
End of choice among Quantity, Money, Percent, and Tax	
..... PartialShipmentAllowed.....	<i>Boolean</i> True if the buyer is willing to accept partial shipment; false otherwise.
..... SpecialHandlingNote (optional).....	<i>string</i> Special handling instructions.
..... GeneralNote (optional).....	<i>string</i> Other instructions.
..... PartLocation (optional).....	<i>string</i> The location of the part.
..... Transport (optional)	
..... @Direction.....	<i>TransitDirection</i> The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).
..... Mode (optional).....	<i>TransportMode</i> The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.
..... TransportModeOther (optional).....	<i>string</i> A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.
..... Mean (optional).....	<i>TransportMean</i> The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.
..... TransportMeanOther (optional).....	<i>string</i> 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.
..... Carrier (optional).....	<i>CarrierCode</i> The name of the carrier. One of the following values: (None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other
..... CarrierOther (optional).....	<i>string</i> The name of the carrier, specified if the value of Carrier is Other.
..... CustShippingContractNum (optional).....	<i>string</i> The 1 to 35 character shipping contract number.
..... ShippingInstruction (optional).....	<i>string</i> Brief (up to 256 characters) shipping instructions.
..... TermOfDelivery (optional)	
..... @TODFunction_a.....	<i>TODFunction</i> ???
..... Code.....	<i>TODCode</i> The terms of delivery. One of the following values: ContactBeforeDelivery, CashOnDelivery, FOB, FOA, FOR, or Other
..... TODCodeOther (optional).....	<i>string</i> The terms of delivery, specified if Code has a value of Other.
..... FOBCity (optional).....	<i>string</i> The city to which the goods are being delivered. For example, San Francisco, CA.
..... FOBLocation (optional).....	<i>string</i> The freight on board location of the goods. For example, SFO-Delta Airlines Warehouse.
..... FOBInstruction (optional).....	<i>string</i> Freight on board instructions.
..... ShippingPaymentMethod (optional).....	<i>ShippingPaymentMethodCode</i> The method used to pay shipping charges. one of the following values: Collect, PrepaidChargeCust, PrepaidOnly, PrepaidBySeller, Pickup, PaidByBuyer, ThirdPartyPay, PaidBySeller, PerContract, or Other.
..... ShippingPaymentMethodOther (optional).....	<i>string</i> The method used to pay shipping charges, specified if the value of ShippingPaymentMethod is Other.
..... TODFunctionOther (optional).....	<i>string</i> ???

..... OrderHeaderAttachment (optional)
..... Attachment
..... @Attachment.....The URI for the attachment.
..... Purpose.....*string* 1 to 70 character description of the attachment's function (for example, Blueprint).
..... FileName (optional).....*string* 1 to 70 character file name of the attachment.
..... Title (optional).....*string* 1 to 70 character title of the attachment.
..... Language (optional).....*LangCode* The language in which the attachment is written.

.....ListOfOrderDetail
..... OrderDetail
..... BaseItemDetail
..... LineItemNum.....The line number on which the item appears in the order.
..... SubLineItemNum (optional).....
..... SupplierPartNum (optional).....The supplier's part number for this item.
..... PartNum
..... Agency.....The agency that assigned the supplier's part number.
..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....*string* The standards agency, specified when @AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... BuyerPartNum (optional).....The buyer's part number for this item.
..... PartNum
..... Agency.....The agency that assigned the buyer's part number.
..... @AgencyID.....*AgencyCode* The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....*string* The agency, specified when @AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... ManufacturerPartNum (optional)
..... PartNum
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part number.
..... @AgencyOther.....*string* The standards agency, specified when @AgencyID has a value of "Other."
..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.
..... CommodityCode (optional)

..... ItemDescription (optional)
..... Quantity (optional)
..... Qty.....*Decimal15_3* The total quantity of the item that was ordered.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... MaxBackOrderQuantity (optional)
..... Quantity
..... Qty.....*Decimal15_3* The maximum acceptable backordered quantity for this item.
..... UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....*UOMCode* The unit of measurement.
..... UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
..... FinalRecipient (optional)
..... Party
..... @PartyID
..... @AgencyID.....*AgencyCode* The agency responsible for issuing part numbers
..... @AgencyOther.....*string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."
.....ListOfIdentifier (optional)
..... Identifier
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
..... @AgencyOther.....*string* The agency responsible for issuing the identifier, used when @AgencyID has a value of "Other."
..... Ident
..... NameAddress (optional)
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.
..... @AgencyOther.....*string* The standards agency, specified when @AgencyID has a value of "Other."
..... Ident.....*string* The coded identifier.
..... Name1.....*string* The first line of the name.
..... Name2 (optional).....*string* The second line of the name.
..... Name3 (optional).....*string* The third line of the name.
..... Address1.....*string* The first line of the street address.
..... Address2 (optional).....*string* The second line of the street address.
..... Address3 (optional).....*string* The third line of the street address.
..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.

.....City.....*string* The city.

.....StateOrProvince.....*string* The state or province.

.....PostalCode.....*string* The zip or postal code.

.....Country.....*CountryCode* The two-character country code.

.....OrderContact (optional)
.....Contact

..... Identifier (optional).....The order contact's identification number.

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, used when @AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

.....ReceivingContact (optional)
.....Contact

..... Identifier (optional).....The receiving contact's identification number.

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, used when @AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

.....ShippingContact (optional)
.....Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, used when @AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

.....OtherContacts (optional)

.....ListOfContactCoded

..... ContactCoded

..... Contact

..... Identifier (optional)

.....Agency

.....@AgencyID.....*AgencyCode* The agency responsible for issuing part numbers.

.....@AgencyOther...*string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

..... Transport (optional)

..... @Direction.....*TransitDirection* The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).

..... Mode (optional).....*TransportMode* The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.

..... TransportModeOther (optional).....*string* A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.

..... Mean (optional).....*TransportMean* The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.

..... TransportMeanOther (optional).....*string* 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.

..... Carrier (optional).....*CarrierCode* The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other

..... CarrierOther (optional).....*string* The name of the carrier, specified if the value of Carrier is Other.

..... CustShippingContractNum (optional).....*string* The 1 to 35 character shipping contract number.

..... ShippingInstruction (optional).....*string* Brief (up to 256 characters) shipping instructions.

..... OffCatalogFlag.....*Boolean* True if the item appears in the product catalog; false if it does not.

..... SpecialHandlingNote (optional).....*string* Special handling instructions.

..... GeneralNote (optional).....*string* Additional instructions.

..... RequestedDeliveryDate (optional).....*datetime* The date by which the customer would like to receive the goods.

..... ShipByDate (optional).....*datetime* The date by which the goods must be shipped for timely delivery.

..... Tax (optional)

..... @FuncQual.....*TaxFuncQual* The function of the tax. One of the following values: CustomsDuty or Tax. Default value is Tax.

..... @Category.....*TaxCategory* The type of tax. One of the following values: Mixed, Exempt, Standard, freeExportItem, Zero, or Other. The default value is Standard.

..... @Type.....*TaxType* The type of tax. one of the following values: GST or VAT. The default value is GST.

..... TaxPercent.....*Decimal10_4* The rate of taxation, expressed as a percentage.

..... Location.....*string* The location of the taxing entity.

..... TaxId (optional).....*string* The tax identification number.

..... TaxAmount.....*Decimal18_3* The amount of the tax.

..... TaxableAmount.....*Decimal18_3* The amount subject to taxation.

..... ListOfAllowOrCharge

Repeating element AllowOrCharge

..... AllowOrCharge

..... IsCharge.....*Boolean* True if the item is a tax, false if it is a discount.

..... Basis.....*AllowOrChgBasis* The basis (None, Quantity, Percent, Money, or Tax) for the allowance or charge.

..... SeqNo.....*int* The order in which this allowance or charge is applied, relative to other allowances and charges.

..... Desc

..... AllowOrChgDesc

..... RefID (optional).....*string* The supplier's code number for the charge or allowance.

..... ListOfDescription (optional).....*One or more descriptions of the allowance or charge. Each description must be in a different language.*

..... Description.....*string* A description of the allowance or charge.

..... @Lang.....*LangCode* The language in which the description is written.

..... ServiceCode.....*AllowOrChgServCode* The service (None, PickUp, COD, or Handling) with which the allowance or charge is associated.

..... StartDate (optional).....*date* The first date that the allowance or charge applies.

..... EndDate (optional).....*date* The last date that the allowance or charge applies.

You may choose one of the following: QuantityRange or MoneyRange

..... QuantityRange (optional)

..... Range.....*The quantity that must be ordered for the allowance or charge to apply.*

.....@UnitOfMeasure.....*UOMCode* The unit of measurement in which the minimum and maximum quantities are expressed.
Min.....*Decimal18_3* The minimum quantity to which the allowance or charge applies.
Max.....*Decimal18_3* The maximum quantity to which the allowance or charge applies.

Or

.....MoneyRange (optional).....The monetary amount that must be ordered for the allowance or charge to apply.
@Min.....*Decimal18_3* The minimum monetary amount to which the allowance or charge applies.
@Max.....*Decimal18_3* The maximum monetary amount to which the allowance or charge applies.
@Currency.....*CurrencyCode* The currency in which the minimum and maximum amounts are expressed.

End of choice between QuantityRange and MoneyRange

You MUST choose one of the following: Quantity, Money, Percent, or Tax

.....Quantity
Qty.....*Decimal15_3* The quantity of the product supplied free of charge.
UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
UOMCode.....*UOMCode* The unit of measurement.
UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

Or

.....Money.....The discount, expressed as a monetary amount.
@Currency.....*CurrencyCode* The currency in which the discount is expressed.

Or

.....Percent.....*Decimal10_4* The discount expressed as a percentage of cost.

Or

.....Tax
@FuncQual.....*TaxFuncQual* The function (CustomsDuty or Tax) of the charge. The default value is Tax.
@Category.....*TaxCategory* The tax category (Other, Mixed, Exempt, Standard, FreeExportItem, or Zero). The default value is Standard.
@Type.....*TaxType* The tax type (GST or VAT). The default value is GST.
TaxPercent.....*Decimal10_4* The rate of taxation.
Location.....*string* The location of the taxing entity.
TaxId (optional).....*string* The tax identification number.
TaxAmount.....*Decimal18_3* The monetary amount of the tax.
TaxableAmount.....*Decimal18_3* The monetary amount subject to taxation.

End of choice among Quantity, Money, Percent, and Tax

.....BuyerExpectedUnitPrice
Price
UnitPrice.....The product's unit price expressed in a specified currency.
@Currency.....*CurrencyCode* The ISO code for the currency in which the unit price is expressed.
UnitPrice.....*Decimal15_4* The price for one unit of the product.
UnitOfMeasure (optional).....The unit of measurement in which the quantity is expressed.

.....UOMCode.....*UOMCode* The unit of measurement.
.....UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."
.....StartDate (optional).....*date* The first date that the price applies.
.....EndDate (optional).....*date* The last date that the price applies.
.....QuantityRange (optional).....The quantity range to which the unit price applies. If not specified, the price applies to all quantities.
.....@UnitOfMeasure.....*UOMCode* The unit of measurement in which the quantities are expressed.
.....Range.....The minimum and maximum quantities included in the range.
.....@Min (optional).....*Decimal18_3* The minimum value included in the range. If not specified, there is no minimum value.
.....@Max (optional).....*Decimal18_3* The maximum value included *in the range*. If not specified, there is no maximum.
..... OrderDetailAttachment
..... Attachment
..... @Attachment.....The URI for the attachment.
..... Purpose.....*string* 1 to 70 character description of the attachment's function (for example, Blueprint).
..... FileName (optional).....*string* 1 to 70 character file name of the attachment.
..... Title (optional).....*string* 1 to 70 character title of the attachment.
..... Language (optional).....*LangCode* The language in which the attachment is written.
.....OrderSummary
..... TotalAmount.....*Decimal18_3* The total amount of the order.
..... TotalLineNum (optional).....*int* The number of line items in the order.

Examples

Example 1

```
<?soxtype PurchaseOrder urn:x-commerceedoc:document:com:commerceedoc:CBL:CBL.sox$1.0?>
```

```
<!--
 * Copyright (c) 1999 Commerce One. All rights reserved. Redistribution and
 * use in source and binary forms, with or without modification, is strictly
 * prohibited without written permission from Commerce One.
-->
```

```
<PurchaseOrder>
```

```
<OrderHeader>
```

```
<!-- 19990805 -->
```

```

<POIssuedDate>19990805T01:01:01</POIssuedDate>
<RequestedDeliveryDate>19990807T01:01:01</RequestedDeliveryDate>
<ShipByDate>19990809T01:01:01</ShipByDate>
<OrderReference>
  <!-- An account is an agreement between a buyer and a supplier, specif
ied
      by the account code. Remember that an agreement can consists of
      multiple contracts. Agreement is not the same as contract.
      An agreement 'contains' contract(s). -->
  <AccountCode><Reference><RefNum>CTOP</RefNum></Reference> </AccountCode>

  <!--BuyerRefNum = Buyer's PO number. -->
  <BuyerRefNum><Reference><RefNum>100</RefNum></Reference></BuyerRefNum>
  <!-- Notice I don't put the SupplierRefNum because it is optional -->
  <SupplierRefNum><Reference><RefNum>500</RefNum></Reference>
  </SupplierRefNum>
</OrderReference>
<OrderParty>
  <BuyerParty>
    <Party>
      <NameAddress>
        <Name1>Mr. Muljadi Sulistio</Name1>
        <Name2>Attention: Business Service Division</Name2>
        <Address1>1600 Riviera Ave</Address1>
        <Address2>Suite# 200</Address2>
        <City>Walnut Creek</City>
        <StateOrProvince>CA</StateOrProvince>
        <PostalCode>94596</PostalCode>
        <Country>US</Country>
      </NameAddress>
    <OrderContact>
      <Contact>
        <ContactName>Mr. Mike Holloway</ContactName>
        <Telephone>(925) 941-3333</Telephone>
        <Email>mike.holloway@commerceone.com</Email>
        <Fax>(925) 941-4555</Fax>
      </Contact>
    </OrderContact>
  <ReceivingContact>

```

```
<Contact>
<ContactName>Mr. Debbie Dub</ContactName>
<Telephone>(925) 941-2222</Telephone>
<Email>debbie.dub@commerceone.com</Email>
<Fax>(925) 941-4555</Fax>
</Contact>
</ReceivingContact>
<ShippingContact>
<Contact>
<ContactName>Ms. John Wayne</ContactName>
<Telephone>(925) 941-1111</Telephone>
<Email>john.wayne@commerceone.com</Email>
<Fax>(925) 941-4555</Fax>
</Contact>
</ShippingContact>
</Party>
</BuyerParty>
<SupplierParty>
<Party>
<NameAddress>
<Name1>Millenium Supplier Corporation</Name1>
<Name2>Attention: Office Supply Division</Name2>
<Address1>355 Alameda Street</Address1>
<Address2>Suite 100</Address2>
<City>San Jose</City>
<StateOrProvince>CA</StateOrProvince>
<PostalCode>94588</PostalCode>
<Country>US</Country>
</NameAddress>
</Party>
</SupplierParty>
</OrderParty>
<Tax>
<TaxPercent>000010.0000</TaxPercent>
<Location>Walnut Creek</Location>
<!-- TaxId is only required if category is exempt -->
<TaxId>12345</TaxId>
<TaxAmount>000000000000100.000</TaxAmount>
<TaxableAmount>0000000000001000.000</TaxableAmount>
```



```
</Tax>
<OrderCurrency>USD</OrderCurrency> <!-- US Dollar -->
<OrderLanguage>EN</OrderLanguage> <!-- EN=English -->

<Payment>
  <PaymentMean>CreditCard</PaymentMean>
  <PaymentTerm>Discount</PaymentTerm>
  <DiscountPercent>000005.0000</DiscountPercent>
  <DiscountDaysDue>10</DiscountDaysDue>
  <DiscountTimeRef>InvoiceDate</DiscountTimeRef>
  <NetDaysDue>30</NetDaysDue>
  <NetTimeRef>InvoiceDate</NetTimeRef>
  <CardInfo>
    <CardNum>1234432112344321</CardNum>
    <CardAuthCode>JUBF123</CardAuthCode>
    <CardRefNum>123</CardRefNum>
    <CardExpirationDate>20000805T01:01:01</CardExpirationDate>
    <CardType>AMEX</CardType>
    <CardHolderName>Mr. Joe Blow</CardHolderName>
  </CardInfo>
</Payment>

<PartialShipmentAllowed>true</PartialShipmentAllowed>
<SpecialHandlingNote>Please don't shake it.</SpecialHandlingNote>
<GeneralNote>Rush it please.</GeneralNote>
<PartLocation>Oakland</PartLocation>

<Transport Direction="SupplierToBuyer">
  <Mode>Air</Mode>
  <Mean>Express</Mean>
  <Carrier>Fedex</Carrier>
  <CustShippingContractNum>CTOP123</CustShippingContractNum>
  <ShippingInstruction>Please handle with care</ShippingInstruction>
</Transport>

<TermOfDelivery TODFunction_a="Delivery" >
  <Code>FOB</Code>
  <FOBCity>San Francisco</FOBCity>
  <FOBLocation>SFO Delta Airline Warehouse</FOBLocation>
```

<FOBInstruction>Talk to the company agent in isle 2</FOBInstruction>
<ShippingPaymentMethod>PrepaidBySeller</ShippingPaymentMethod>
</TermOfDelivery>

<OrderHeaderAttachment>
<ListOfAttachment>
<Attachment Attachment="http://www.temporary.com/Pleasantondome.doc" >
<Purpose>BluePrint</Purpose>
</Attachment>
</ListOfAttachment>
</OrderHeaderAttachment>

</OrderHeader>

<ListOfOrderDetail>
<OrderDetail>
<BaseItemDetail>
<LineItemNum>1</LineItemNum>
<SupplierPartNum>
<PartNum>
<Agency AgencyID="AssignedBySupplier"/>
<PartID>12345</PartID>
</PartNum>
</SupplierPartNum>
<ItemDescription>Sanford Highlighting Marker</ItemDescription>
<Quantity>
<Qty>00000000001.000</Qty>
<UnitOfMeasure>EA</UnitOfMeasure>
</Quantity>
<Transport Direction="SupplierToBuyer">
<Mode>Air</Mode>
<Mean>Express</Mean>
<Carrier>Fedex</Carrier>
<CustShippingContractNum>CTOP123</CustShippingContractNum>
<ShippingInstruction>Please handle with care</ShippingInstruction>
</Transport>
<OffCatalogFlag>>false</OffCatalogFlag>
</BaseItemDetail>
<BuyerExpectedUnitPrice>

```
<Price><UnitPrice>0000000010.0000</UnitPrice></Price>
</BuyerExpectedUnitPrice>
</OrderDetail>
</ListOfOrderDetail>
```

```
<OrderSummary>
  <TotalAmount>00000000001000.000</TotalAmount>
  <TotalLineNum>1</TotalLineNum>
</OrderSummary>
```

```
</PurchaseOrder>
```

Example 2

```
<?soxtype urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0?>
```

```
<!--
  * Copyright (c) 1999 Commerce One. All rights reserved. Redistribution and
  * use in source and binary forms, with or without modification, is strictly
  * prohibited without written permission from Commerce One.
-->
```

```
<PurchaseOrder>
```

```
<OrderHeader>
  <!-- 19990805 -->
  <POIssuedDate>19990805T01:01:01</POIssuedDate>
  <RequestedDeliveryDate>19990807T01:01:01</RequestedDeliveryDate>
  <ShipByDate>19990809T01:01:01</ShipByDate>
  <OrderReference>
    <!-- An account is an agreement between a buyer and a supplier, specified
         by the account code. Remember that an agreement can consists of
         multiple contracts. Agreement is not the same as contract.
         An agreement 'contains' contract(s). -->
    <AccountCode><Reference><RefNum>CTOP</RefNum></Reference> </AccountCode>

    <!--BuyerRefNum = Buyer's PO number. -->
    <BuyerRefNum><Reference><RefNum>100</RefNum></Reference></BuyerRefNum>
    <!-- Notice I don't put the SupplierRefNum because it is optional -->
    <SupplierRefNum><Reference><RefNum>500</RefNum></Reference>
```

</SupplierRefNum>
</OrderReference>
<OrderParty>
 <BuyerParty>
 <Party>
 <NameAddress>
 <Name1>Mr. John Doe</Name1>
 <Name2>Attention: Business Service Division</Name2>
 <Address1>1600 Riviera Ave</Address1>
 <Address2>Suite# 200</Address2>
 <City>Walnut Creek</City>
 <StateOrProvince>CA</StateOrProvince>
 <PostalCode>94596</PostalCode>
 <Country>US</Country>
 </NameAddress>
 <OrderContact>
 <Contact>
 <ContactName>Mr. Mark Smith</ContactName>
 <Telephone>(925) 941-3333</Telephone>
 <Email>mark.smith@commerceone.com</Email>
 <Fax>(925) 941-4555</Fax>
 </Contact>
 </OrderContact>
 <ReceivingContact>
 <Contact>
 <ContactName>Ms. Jane Jones</ContactName>
 <Telephone>(925) 941-2222</Telephone>
 <Email>jane.jones@commerceone.com</Email>
 <Fax>(925) 941-4555</Fax>
 </Contact>
 </ReceivingContact>
 <ShippingContact>
 <Contact>
 <ContactName>Ms. Bridget Robins</ContactName>
 <Telephone>(925) 941-1111</Telephone>
 <Email>bridget.robins@commerceone.com</Email>
 <Fax>(925) 941-4555</Fax>
 </Contact>
 </ShippingContact>

```
</Party>
</BuyerParty>
<SupplierParty>
  <Party>
    <NameAddress>
      <Name1>Millenium Supplier Corporation</Name1>
      <Name2>Attention: Office Supply Division</Name2>
      <Address1>355 Alameda Street</Address1>
      <Address2>Suite 100</Address2>
      <City>San Jose</City>
      <StateOrProvince>CA</StateOrProvince>
      <PostalCode>94588</PostalCode>
      <Country>US</Country>
    </NameAddress>
  </Party>
</SupplierParty>
</OrderParty>
<Tax>
  <TaxPercent>000010.0000</TaxPercent>
  <Location>Walnut Creek</Location>
  <!-- TaxId is only required if category is exempt -->
  <TaxId>12345</TaxId>
  <TaxAmount>00000000000100.000</TaxAmount>
  <TaxableAmount>000000000001000.000</TaxableAmount>
</Tax>
<OrderCurrency>USD</OrderCurrency> <!-- US Dollar -->
<OrderLanguage>en</OrderLanguage> <!-- EN=English -->

<Payment>
  <PaymentMean>CreditCard</PaymentMean>
  <PaymentTerm>Discount</PaymentTerm>
  <DiscountPercent>000005.0000</DiscountPercent>
  <DiscountDaysDue>10</DiscountDaysDue>
  <DiscountTimeRef>InvoiceDate</DiscountTimeRef>
  <NetDaysDue>30</NetDaysDue>
  <NetTimeRef>InvoiceDate</NetTimeRef>
  <CardInfo>
    <CardNum>1234432112344321</CardNum>
    <CardAuthCode>JUBF123</CardAuthCode>
```

```

    <CardRefNum>123</CardRefNum>
    <CardExpirationDate>20000805T01:01:01</CardExpirationDate>
    <CardType>AMEX</CardType>
    <CardHolderName>Mr. Joe Smith</CardHolderName>
  </CardInfo>
</Payment>

<ListOfAllowOrCharge>
  <AllowOrCharge>
    <IsCharge>true</IsCharge>
    <Basis>Quantity</Basis>
    <SeqNo>4</SeqNo>
    <Desc>
      <AllowOrChgDesc>
        <RefID>YY667</RefID>
        <ListOfDescription><Description>common, brown, thing</Description></ListOfDescription>
        <ServiceCode>PickUp</ServiceCode>
      </AllowOrChgDesc>
    </Desc>
    <QuantityRange Min="1" Max="9" UnitOfMeasure="1A"></QuantityRange>
    <Quantity>
      <Qty>4</Qty>
      <UnitOfMeasure>
        <UOMCode>1A</UOMCode>
      </UnitOfMeasure>
    </Quantity>
  </AllowOrCharge>
</ListOfAllowOrCharge>

<PartialShipmentAllowed>true</PartialShipmentAllowed>
<SpecialHandlingNote>Please don't shake it.</SpecialHandlingNote>
<GeneralNote>Rush it please.</GeneralNote>
<PartLocation>Oakland</PartLocation>

<Transport Direction="SupplierToBuyer">
  <Mode>Air</Mode>
  <Mean>Express</Mean>
  <Carrier>Fedex</Carrier>

```

<CustShippingContractNum>CTOP123</CustShippingContractNum>
<ShippingInstruction>Please handle with care</ShippingInstruction>
</Transport>

<TermOfDelivery TODFunction_a="Delivery" >
<Code>FOB</Code>
<FOBCity>San Francisco</FOBCity>
<FOBLocation>SFO Delta Airline Warehouse</FOBLocation>
<FOBInstruction>Talk to the company agent in isle 2</FOBInstruction>
<ShippingPaymentMethod>PrepaidBySeller</ShippingPaymentMethod>
</TermOfDelivery>

<OrderHeaderAttachment>
<ListOfAttachment>
<Attachment Attachment="http://www.temporary.com/Pleasantondome.doc" >
<Purpose>Blueprint</Purpose>
</Attachment>
</ListOfAttachment>
</OrderHeaderAttachment>

</OrderHeader>

<ListOfOrderDetail>
<OrderDetail>
<BaseItemDetail>
<LineItemNum>1</LineItemNum>
<SupplierPartNum>
<PartNum>
<Agency AgencyID="AssignedBySupplier"/>
<PartID>12345</PartID>
</PartNum>
</SupplierPartNum>
<ItemDescription>Sanford Highlighting Marker</ItemDescription>
<Quantity>
<Qty>000000000001.000</Qty>
<UnitOfMeasure><UOMCode>EA</UOMCode></UnitOfMeasure>
</Quantity>
<Transport Direction="SupplierToBuyer">
<Mode>Air</Mode>

```
<Mean>Express</Mean>
<Carrier>Fedex</Carrier>
<CustShippingContractNum>CTOP123</CustShippingContractNum>
<ShippingInstruction>Please handle with care</ShippingInstruction>
</Transport>
<OffCatalogFlag>>false</OffCatalogFlag>
</BaseItemDetail>
<BuyerExpectedUnitPrice>
  <Price><UnitPrice>00000000010.0000</UnitPrice></Price>
</BuyerExpectedUnitPrice>
</OrderDetail>
</ListOfOrderDetail>

<OrderSummary>
  <TotalAmount>00000000001000.000</TotalAmount>
  <TotalLineNum>1</TotalLineNum>
</OrderSummary>

</PurchaseOrder>
```

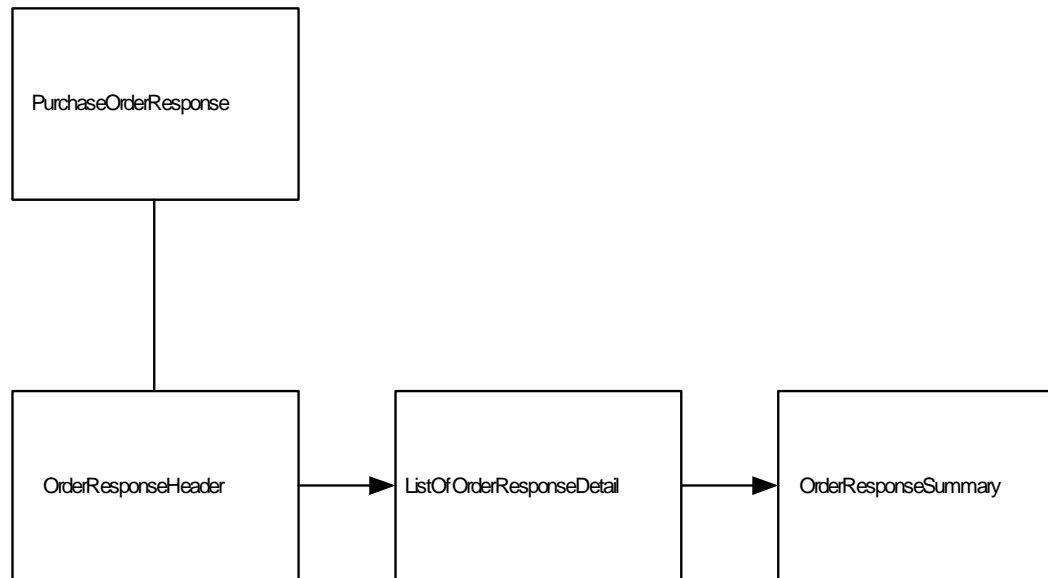

PurchaseOrderResponse

The PurchaseOrderResponse element is a supplier's response to a purchase order. It consists of:

- An OrderResponseHeader element
- A ListOfOrderResponseDetail element
- An OrderResponseSummary element

[Source Code](#) PurchaseOrderResponse.sox on page 1175

Structure



Contents

PurchaseOrderResponse
.....OrderResponseHeader
..... OrderHeader
..... POIssuedDate.....*datetime* The date the purchase order was issued.

..... RequestedDeliveryDate.....*datetime* The date by which the customer would like to receive the goods.

..... ShipByDate (optional).....*datetime* The date by which the goods must be shipped to ensure timely delivery.

..... OrderReference

..... AccountCode

..... Reference

..... RefNum.....*string* The buyer's account number with this supplier.

..... RefDate (optional).....*datetime* The date of the reference.

..... BuyerRefNum

..... Reference

..... RefNum.....*string* The buyer's purchase order number.

..... RefDate (optional).....*datetime* The date of the reference.

..... SupplierRefNum (optional)

..... Reference

..... RefNum.....*string* The supplier's order number.

..... RefDate (optional).....*datetime* The date of the reference.

..... ListOfReferenceCoded (optional)

..... ReferenceCoded

..... Reference

..... RefNum.....*string* Another reference number.

..... RefDate (optional).....*datetime* The date of the reference.

..... RefCode.....*ReferenceCode* The type of reference (CustRefNum, ContractNum, PrevProdCat, PriceListNum, ProdInqNum, or Other)

..... RefCodeOther (optional).....*string* The type of reference, specified if RefCode has a value of Other.

..... OrderParty

..... BuyerParty

..... Party

..... @PartyID.....*string* The identification number for the party.

..... @AgencyID.....*AgencyCode* The agency that issued the party's identification number.

..... @AgencyOther.....*string* The agency that issued the identification number, specified if the value of @AgencyID is Other.

..... ListOfIdentifier (optional)

..... Identifier

..... Agency

..... @AgencyID.....*AgencyCode* The standards agency.

..... @AgencyOther.....*string* The standards agency, used when @AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... NameAddress (optional).....Name and address information for the party.

..... Identifier (optional)

..... Agency

..... @AgencyID..... *AgencyCode* The standards agency.

..... @AgencyOther..... *string* The standards agency, used when @AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... Name1..... *string* The first line of the name.

..... Name2 (optional)..... *string* The second line of the name.

..... Name3 (optional)..... *string* The third line of the name.

..... Address1..... *string* The first line of the street address.

..... Address2 (optional)..... *string* The second line of the street address.

..... Address3 (optional)..... *string* The third line of the street address.

..... Address4 (optional)..... *string* The fourth line of the street address.

..... Address5 (optional)..... *string* The fifth line of the street address.

..... City..... *string* The city.

..... StateOrProvince..... *string* The state or province.

..... PostalCode..... *string* The zip or postal code.

..... Country..... *CountryCode* The two-character country code.

..... OrderContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther..... *string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

..... ReceivingContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther..... *string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

.....ShippingContact (optional)

.....Contact

..... Identifier (optional)

..... Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther.....*string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

.....OtherContacts (optional)

.....ListOfContactCoded

..... ContactCoded

..... Contact

..... Identifier (optional)

.....Agency

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

..... @AgencyOther... ..*string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.ListOfIdentifier (optional)

..... ShipToParty (optional)

..... Party

.....@PartyID.....*string* The identification number for the party.

.....@AgencyID.....*AgencyCode* The agency that issued the party's identification number.

.....@AgencyOther.....*string* The agency that issued the identification number, specified if the value of @AgencyID is Other.

.....ListOfIdentifier (optional)
.....Identifier
..... Agency
..... @AgencyID.....AgencyCode The standards agency.
..... @AgencyOther.....string The standards agency, used when @AgencyID has a value of "Other."
..... Ident.....string The coded identifier.
.....NameAddress (optional).....Name and address information for the party.
.....Identifier (optional)
..... Agency
..... @AgencyID.....AgencyCode The standards agency.
..... @AgencyOther.....string The standards agency, used when @AgencyID has a value of "Other."
..... Ident.....string The coded identifier.
.....Name1.....string The first line of the name.
.....Name2 (optional).....string The second line of the name.
.....Name3 (optional).....string The third line of the name.
.....Address1.....string The first line of the street address.
.....Address2 (optional).....string The second line of the street address.
.....Address3 (optional).....string The third line of the street address.
.....Address4 (optional).....string The fourth line of the street address.
.....Address5 (optional).....string The fifth line of the street address.
.....City.....string The city.
.....StateOrProvince.....string The state or province.
.....PostalCode.....string The zip or postal code.
.....Country.....CountryCode The two-character country code.
.....OrderContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....string The agency responsible for part numbers, used when @AgencyID has a value of
"Other."
..... Ident.....string The coded identifier.
..... ContactName.....string The employee or department name.
..... Telephone.....string The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....string The 1 to 80 character email address.
..... Fax (optional).....string The FAX number.
.....ReceivingContact (optional)
.....Contact

..... Identifier (optional)
..... Agency
..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther..... *string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."
..... Ident..... *string* The coded identifier.
..... ContactName..... *string* The employee or department name.
..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional)..... *string* The 1 to 80 character email address.
..... Fax (optional)..... *string* The FAX number.
..... ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther..... *string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."
..... Ident..... *string* The coded identifier.
..... ContactName..... *string* The employee or department name.
..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional)..... *string* The 1 to 80 character email address.
..... Fax (optional)..... *string* The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded
Repeating element ContactCoded
..... ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther..... *string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."
..... Ident..... *string* The coded identifier.
..... ContactName..... *string* The employee or department name.
..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.
 ContactFunctionCode..... *ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.ListOfIdentifier (optional)

End of repeating element ContactCoded

..... SupplierParty
 Party
 @PartyID..... *string* The identification number for the party.
 @AgencyID..... *AgencyCode* The agency that issued the party's identification number.
 @AgencyOther..... *string* The agency that issued the identification number, specified if the value of @AgencyID is Other.

.....ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier
 Agency
 @AgencyID..... *AgencyCode* The standards agency.
 @AgencyOther..... *string* The standards agency, used when @AgencyID has a value of "Other."
 Ident..... *string* The coded identifier.

End of repeating element Identifier

.....NameAddress (optional)..... Name and address information for the party.
 Identifier (optional)
 Agency
 @AgencyID..... *AgencyCode* The standards agency.
 @AgencyOther..... *string* The standards agency, used when @AgencyID has a value of "Other."
 Ident..... *string* The coded identifier.
 Name1..... *string* The first line of the name.
 Name2 (optional)..... *string* The second line of the name.
 Name3 (optional)..... *string* The third line of the name.
 Address1..... *string* The first line of the street address.
 Address2 (optional)..... *string* The second line of the street address.
 Address3 (optional)..... *string* The third line of the street address.
 Address4 (optional)..... *string* The fourth line of the street address.
 Address5 (optional)..... *string* The fifth line of the street address.
 City..... *string* The city.
 StateOrProvince..... *string* The state or province.
 PostalCode..... *string* The zip or postal code.
 Country..... *CountryCode* The two-character country code.
OrderContact (optional)
 Contact

..... Identifier (optional)
..... Agency
..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther..... *string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."
..... Ident..... *string* The coded identifier.
..... ContactName..... *string* The employee or department name.
..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional)..... *string* The 1 to 80 character email address.
..... Fax (optional)..... *string* The FAX number.
..... ReceivingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther..... *string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."
..... Ident..... *string* The coded identifier.
..... ContactName..... *string* The employee or department name.
..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional)..... *string* The 1 to 80 character email address.
..... Fax (optional)..... *string* The FAX number.
..... ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther..... *string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."
..... Ident..... *string* The coded identifier.
..... ContactName..... *string* The employee or department name.
..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional)..... *string* The 1 to 80 character email address.
..... Fax (optional)..... *string* The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded

Repeating element ContactCoded

..... ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.AgencyCode The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther....string The agency responsible for part numbers, used when @AgencyID has a value of "Other."
.....Ident.....string The coded identifier.
..... ContactName.....string The employee or department name.
..... Telephone.....string The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....string The 1 to 80 character email address.
..... Fax (optional).....string The FAX number.
..... ContactFunctionCode..... ContactFunctionCode The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.ListOfIdentifier (optional)

End of repeating element ContactCoded

..... BillToParty (optional)
..... Party
..... @PartyID.....string The identification number for the party.
..... @AgencyID.....AgencyCode The agency that issued the party's identification number.
..... @AgencyOther.....string The agency that issued the identification number, specified if the value of @AgencyID is Other.
.....ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier
..... Agency
..... @AgencyID.....AgencyCode The standards agency.
..... @AgencyOther.....string The standards agency, used when @AgencyID has a value of "Other."
..... Ident.....string The coded identifier.

End of repeating element Identifier

.....NameAddress (optional).....Name and address information for the party.
..... Identifier (optional)
..... Agency
..... @AgencyID.....AgencyCode The standards agency.
..... @AgencyOther.....string The standards agency, used when @AgencyID has a value of "Other."
..... Ident.....string The coded identifier.
..... NameL.....string The first line of the name.

.....Name2 (optional).....*string* The second line of the name.
.....Name3 (optional).....*string* The third line of the name.
.....Address1.....*string* The first line of the street address.
.....Address2 (optional).....*string* The second line of the street address.
.....Address3 (optional).....*string* The third line of the street address.
.....Address4 (optional).....*string* The fourth line of the street address.
.....Address5 (optional).....*string* The fifth line of the street address.
.....City.....*string* The city.
.....StateOrProvince.....*string* The state or province.
.....PostalCode.....*string* The zip or postal code.
.....Country.....*CountryCode* The two-character country code.
.....OrderContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when @AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....ReceivingContact (optional)
.....Contact
..... Identifier (optional)
..... Agency
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.....*string* The agency responsible for part numbers, used when @AgencyID has a value of
"Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
.....ShippingContact (optional)
.....Contact

..... Identifier (optional)
..... Agency
..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther..... *string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."
..... Ident..... *string* The coded identifier.
..... ContactName..... *string* The employee or department name.
..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional)..... *string* The 1 to 80 character email address.
..... Fax (optional)..... *string* The FAX number.
..... OtherContacts (optional)
..... ListOfContactCoded

Repeating element ContactCoded

..... ContactCoded
..... Contact
..... Identifier (optional)
..... Agency
..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther.... *string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."
..... Ident..... *string* The coded identifier.
..... ContactName..... *string* The employee or department name.
..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional)..... *string* The 1 to 80 character email address.
..... Fax (optional)..... *string* The FAX number.
..... ContactFunctionCode..... *ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact. ListOfIdentifier (optional)

End of repeating element ContactCoded

..... ListOfPartyCoded (optional)

Repeating element PartyCoded

..... PartyCoded
..... Party
..... @PartyID..... *string* The identification number for the party.
..... @AgencyID..... *AgencyCode* The agency that issued the party's identification number.
..... @AgencyOther..... *string* The agency that issued the identification number, specified if the value of @AgencyID is Other.

.....ListOfIdentifier (optional)

Repeating element Identifier

..... Identifier

..... Agency

..... @AgencyID..... *AgencyCode* The standards agency.

..... @AgencyOther..... *string* The standards agency, used when @AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

End of repeating element Identifier

.....NameAddress (optional).....Name and address information for the party.

..... Identifier (optional)

..... Agency

..... @AgencyID..... *AgencyCode* The standards agency.

..... @AgencyOther..... *string* The standards agency, used when @AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... Name1..... *string* The first line of the name.

..... Name2 (optional)..... *string* The second line of the name.

..... Name3 (optional)..... *string* The third line of the name.

..... Address1..... *string* The first line of the street address.

..... Address2 (optional)..... *string* The second line of the street address.

..... Address3 (optional)..... *string* The third line of the street address.

..... Address4 (optional)..... *string* The fourth line of the street address.

..... Address5 (optional)..... *string* The fifth line of the street address.

..... City..... *string* The city.

..... StateOrProvince..... *string* The state or province.

..... PostalCode..... *string* The zip or postal code.

..... Country..... *CountryCode* The two-character country code.

.....OrderContact (optional)

..... Contact

..... Identifier (optional)

..... Agency

.....@AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.

.....@AgencyOther... *string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."

..... Ident..... *string* The coded identifier.

..... ContactName..... *string* The employee or department name.

..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional)..... *string* The 1 to 80 character email address.

..... Fax (optional)..... *string* The FAX number.

.....ReceivingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
.....@AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....@AgencyOther... *string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."
..... Ident..... *string* The coded identifier.
..... ContactName..... *string* The employee or department name.
..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional)..... *string* The 1 to 80 character email address.
..... Fax (optional)..... *string* The FAX number.
.....ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
.....@AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
.....AgencyOther..... *string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."
..... Ident..... *string* The coded identifier.
..... ContactName..... *string* The employee or department name.
..... Telephone..... *string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional)..... *string* The 1 to 80 character email address.
..... Fax (optional)..... *string* The FAX number.
.....OtherContacts (optional)
..... ListOfContactCoded
Repeating element ContactCoded
..... ContactCoded
..... Contact
.....Identifier (optional)
.....Agency
..... @AgencyID..... *AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) responsible for issuing part numbers.
..... @AgencyOther..... *string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."
.....Ident..... *string* The coded identifier.
.....ContactName..... *string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
Email (optional)..*string* The 1 to 80 character email address.
Fax (optional)...*string* The FAX number.
 ContactFunctionCode*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

.....PartyRole.....*PartyRoleCode* The role of the party. One of the following values: Buyer, Supplier, CentralCatParty, StoreNumber, SuppAgent, ProdInqNum, or Other.
PartyRoleOther (optional).....*string* The role of the party, specified if the value of PartyRole is Other.

End of repeating element PartyCoded

..... Tax (optional)
 @FuncQual.....*TaxFuncQual* The function of the tax. One of the following values: CustomsDuty or Tax. Default value is Tax.
 @Category.....*TaxCategory* The type of tax. One of the following values: Mixed, Exempt, Standard, freeExportItem, Zero, or Other. The default value is Standard.
 @Type.....*TaxType* The type of tax. one of the following values: GST or VAT. The default value is GST.
 TaxPercent.....*Decimal10_4* The rate of taxation, expressed as a percentage.
 Location.....*string* The location of the taxing entity.
 TaxId (optional).....*string* The tax identification number.
 TaxAmount.....*Decimal18_3* The amount of the tax.
 TaxableAmount.....*Decimal18_3* The amount subject to taxation.
 OrderCurrency.....*CurrencyCode* The ISO code for the default currency of the purchase order .
 OrderLanguage.....*LangCode* The default language of the purchase order.

..... Payment (optional)
 PaymentMean.....*PaymentMeanCode* The means of payment. One of the following values: COD, Check, CreditCard, DebitCard, Invoice, or Other.
 PaymentMeanOther (optional).....*string* The 1- to 70-character means of payment, specified when PaymentMean has a value of Other.
 PaymentTerm.....*PaymentTermCode* The payment terms. One of the following values: Basic, Fixeddate, BasicDiscount, Instant, Discount, or Other.
 PaymentTermOther (optional).....*string* A 1- to 70-character description of the payment terms, specified when the value of PaymentTerm is Other.
 DiscountPercent (optional).....*Decimal10_4* The percentage discount offered for timely payment.
 DiscountDaysDue (optional).....*int* The number of days after DiscountTimeRef for which DiscountTimeRef is available.

..... DiscountTimeRef (optional)..... *PaymentTimeRef* The event relative to which the payment due date is calculated. One of the following values: InvoiceDate, SpecifiedDate, ShipmentDate, GoodsReceivedByBuyerDate, TransportArrivalDate, or Other.

..... DiscountTimeRefOther (optional)..... *string* The event relative to which the payment due date is calculated if the value of DiscountTimeRef is Other.

..... NetDaysDue (optional)..... *int* The number of days after NetTimeRef before payment is due.

..... NetTimeRef (optional)..... *PaymentTimeRef* The event relative to which the payment due date is calculated. One of the following values: InvoiceDate, SpecifiedDate, ShipmentDate, GoodsReceivedByBuyerDate, TransportArrivalDate, or Other.

..... NetTimeRefOther (optional)..... *string* The event relative to which the payment due date is calculated if NetTimeRef has a value of Other.

..... CardInfo (optional)

..... CardNum..... *string* The 1- to 17-character charge card number.

..... CardAuthCode (optional)..... *string* The 1- to 35-character charge card authorization code.

..... CardRefNum (optional)..... *string* The 1- to 35-character customer reference number.

..... CardExpirationDate..... *datetime* The charge card expiration date in YYMMDD format.

..... CardType (optional)..... *CardTypeCode* The type (AMEX, VISA, MC, Discover, JCB, Diners, or Other) of credit card being used.

..... CardTypeOther (optional)..... *string* The 1- to 70-character credit card type, specified if CardType has a value of Other.

..... CardHolderName (optional)..... *string* The 1- to 30-character name imprinted on the credit card.

..... ListOfAllowOrCharge (optional)

Repeating element AllOrCharge

..... AllowOrCharge

..... IsCharge..... *Boolean* True if the item is a tax, false if it is a discount.

..... Basis..... *AllowOrChgBasis* The basis (None, Quantity, Percent, Money, or Tax) for the allowance or charge.

..... SeqNo..... *int* The order in which this allowance or charge is applied, relative to other allowances and charges.

..... Desc

..... AllowOrChgDesc

..... RefID (optional)..... *string* The supplier's code number for the charge or allowance.

..... ListOfDescription (optional)..... *One or more descriptions of the allowance or charge. Each description must be in a different language.*

Repeating element Description

..... Description..... *string* A description of the allowance or charge.

..... @Lang..... *LangCode* The language in which the description is written.

End of repeating element Description

.....ServiceCode.....*AllowOrChgServCode* The service (None, PickUp, COD, or Handling) with which the allowance or charge is associated.

.....StartDate (optional).....*date* The first date that the allowance or charge applies.

.....EndDate (optional).....*date* The last date that the allowance or charge applies.

You may choose one of the following: QuantityRange or MoneyRange

.....QuantityRange (optional)

.....Range.....The quantity that must be ordered for the allowance or charge to apply.

.....Min.....*Decimal18_3* The minimum quantity to which the allowance or charge applies.

.....Max.....*Decimal18_3* The maximum quantity to which the allowance or charge applies.

.....@UnitOfMeasure.....*UOMCode* The unit of measurement in which the minimum and maximum quantities are expressed.

Or

.....MoneyRange (optional).....The monetary amount that must be ordered for the allowance or charge to apply.

.....@Min.....*Decimal18_3* The minimum monetary amount to which the allowance or charge applies.

.....@Max.....*Decimal18_3* The maximum monetary amount to which the allowance or charge applies.

.....@Currency.....*CurrencyCode* The currency in which the minimum and maximum amounts are expressed.

End of choice between QuantityRange and MoneyRange

You MUST choose one of the following: Quantity, Money, Percent, or Tax

.....Quantity

.....Qty.....*Decimal15_3* The quantity of the product supplied free of charge.

.....UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

.....UOMCode.....*UOMCode* The unit of measurement.

.....UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

Or

.....Money.....The discount, expressed as a monetary amount.

.....@Currency.....*CurrencyCode* The currency in which the discount is expressed.

Or

.....Percent.....*Decimal10_4* The discount expressed as a percentage of cost.

Or

.....Tax

.....TaxPercent.....*Decimal10_4* The rate of taxation.

.....Location.....*string* The location of the taxing entity.

.....TaxId (optional).....*string* The tax identification number.

.....TaxAmount.....*Decimal18_3* The monetary amount of the tax.

.....TaxableAmount.....*Decimal18_3* The monetary amount subject to taxation.

.....@FuncQual.....*TaxFuncQual* The function (CustomsDuty or Tax) of the charge. The default value is Tax.

.....@Category.....*TaxCategory* The tax category (Other, Mixed, Exempt, Standard, FreeExportItem, or Zero). The default value is Standard.

.....@Type.....	.....<i>TaxType</i> The tax type (GST or VAT). The default value is GST.
End of choice between Quantity, Money, Percent, and Tax	
..... PartialShipmentAllowed.....	.....<i>Boolean</i> True if the buyer is willing to accept partial shipment; false otherwise.
..... SpecialHandlingNote (optional).....	.....<i>string</i> Special handling instructions.
..... GeneralNote (optional).....	.....<i>string</i> Other instructions.
..... PartLocation (optional).....	.....<i>string</i> The location of the part.
..... Transport (optional)	
..... @Direction.....	.....<i>TransitDirection</i> The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).
..... Mode (optional).....	.....<i>TransportMode</i> The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.
..... TransportModeOther (optional).....	.....<i>string</i> A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.
..... Mean (optional).....	.....<i>TransportMean</i> The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.
..... TransportMeanOther (optional).....	.....<i>string</i> 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.
..... Carrier (optional).....	.....<i>CarrierCode</i> The name of the carrier. One of the following values: (None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other
..... CarrierOther (optional).....	.....<i>string</i> The name of the carrier, specified if the value of Carrier is Other.
..... CustShippingContractNum (optional).....	.....<i>string</i> The 1 to 35 character shipping contract number.
..... ShippingInstruction (optional).....	.....<i>string</i> Brief (up to 256 characters) shipping instructions.
..... TermOfDelivery (optional)	
..... @TODFunction_a.....	.....<i>TODFunction</i> ???
..... Code.....	.....<i>TODCode</i> The terms of delivery. One of the following values: ContactBeforeDelivery, CashOnDelivery, FOB, FOA, FOR, or Other
..... TODCodeOther (optional).....	.....<i>string</i> The terms of delivery, specified if Code has a value of Other.
..... FOBCity (optional).....	.....<i>string</i> The city to which the goods are being delivered. For example, San Francisco, CA.
..... FOBLocation (optional).....	.....<i>string</i> The freight on board location of the goods. For example, SFO-Delta Airlines Warehouse.
..... FOBInstruction (optional).....	.....<i>string</i> Freight on board instructions.
..... ShippingPaymentMethod (optional).....	.....<i>ShippingPaymentMethodCode</i> The method used to pay shipping charges. one of the following values: Collect, PrepaidChargeCust, PrepaidOnly, PrepaidBySeller, Pickup, PaidByBuyer, ThirdPartyPay, PaidBySeller, PerContract, or Other.
..... ShippingPaymentMethodOther (optional).....	.....<i>string</i> The method used to pay shipping charges, specified if the value of ShippingPaymentMethod is Other.
..... TODFunctionOther (optional).....	.....<i>string</i> ???
..... OrderHeaderAttachment (optional)	
..... Attachment	

..... @Attachment.....	.....The URI for the attachment.
..... Purpose.....	.....<i>string</i> 1 to 70 character description of the attachment's function 9for example, Blueprint).
..... FileName (optional).....	.....<i>string</i> 1 to 70 character file name of the attachment.
..... Title (optional).....	.....<i>string</i> 1 to 70 character title of the attachment.
..... Language (optional).....	.....<i>LangCode</i> The language in which the attachment is written.
..... ActionRequestOrNotification.....	.....<i>ActionRequestNotification</i> The status of the order. One of the following values: Added, Changed, NoAction, AcceptedAsIs, or NotAccepted.
..... SupplierNote (optional).....	.....<i>string</i> Free-form note from the supplier.
.....ListOfOrderResponseDetail	
..... OrderResponseDetail	
..... OrderDetail	
..... BaseItemDetail	
..... LineItemNum.....	.....The line number on which the item appears in the order.
..... SubLineItemNum (optional).....	.....
..... SupplierPartNum (optional).....	.....The supplier's part number for this item.
..... PartNum	
..... Agency.....	.....The agency that assigned the supplier's part number.
..... @AgencyID.....	.....<i>AgencyCode</i> The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....	.....<i>string</i> The standards agency, specified when @AgencyID has a value of "Other."
..... PartID.....	.....<i>string</i> The unique identifier for the part.
..... PartIDExt (optional).....	.....<i>string</i> The part number extension.
..... BuyerPartNum (optional).....	.....The buyer's part number for this item.
..... PartNum	
..... Agency.....	.....The agency that assigned the buyer's part number.
..... @AgencyID.....	.....<i>AgencyCode</i> The standards agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....	.....<i>string</i> The agency, specified when @AgencyID has a value of "Other."
..... PartID.....	.....<i>string</i> The unique identifier for the part.
..... PartIDExt (optional).....	.....<i>string</i> The part number extension.
..... ManufacturerPartNum (optional)	
..... PartNum	
..... Agency	
..... @AgencyID.....	.....<i>AgencyCode</i> The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the manufacturer's part number.
..... @AgencyOther.....	.....<i>string</i> The standards agency, specified when @AgencyID has a value of "Other."
..... PartID.....	.....<i>string</i> The unique identifier for the part.

.....PartIDExt (optional).....*string* The part number extension.

..... CommodityCode (optional)

..... ItemDescription (optional)

..... Quantity (optional)

.....Qty.....*Decimal15_3* The total quantity of the item that was ordered.

.....UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

.....UOMCode.....*UOMCode* The unit of measurement.

.....UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

..... MaxBackOrderQuantity (optional)

.....Quantity

.....Qty.....*Decimal15_3* The maximum acceptable backordered quantity for this item.

.....UnitOfMeasure.....The unit of measurement in which the quantity is expressed.

.....UOMCode.....*UOMCode* The unit of measurement.

.....UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

..... FinalRecipient (optional)

.....Party

.....@PartyID

.....@AgencyID.....*AgencyCode* The agency responsible for issuing part numbers

.....@AgencyOther.....*string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."

.....ListOfIdentifier (optional)

..... Identifier

..... Agency

.....@AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.

.....@AgencyOther.....*string* The agency responsible for issuing the identifier, used when @AgencyID has a value of "Other."

..... Ident

.....NameAddress (optional)

..... Identifier (optional)

..... Agency

.....@AgencyID.....*AgencyCode* The agency responsible for issuing the identifier.

.....@AgencyOther.....*string* The standards agency, specified when @AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... Name1.....*string* The first line of the name.

..... Name2 (optional).....*string* The second line of the name.

..... Name3 (optional).....*string* The third line of the name.

..... Address1.....*string* The first line of the street address.

..... Address2 (optional).....*string* The second line of the street address.

..... Address3 (optional).....*string* The third line of the street address.

..... Address4 (optional).....*string* The fourth line of the street address.
..... Address5 (optional).....*string* The fifth line of the street address.
..... City.....*string* The city.
..... StateOrProvince.....*string* The state or province.
..... PostalCode.....*string* The zip or postal code.
..... Country.....*CountryCode* The two-character country code.
..... OrderContact (optional)
..... Contact
..... Identifier (optional).....The order contact's identification number.
..... Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the order contact's identification
number.
.....@AgencyOther...*string* The agency that issued the identification number, used when @AgencyID has a
value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ReceivingContact (optional)
..... Contact
..... Identifier (optional).....The receiving contact's identification number.
..... Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.
.....@AgencyOther...*string* The agency that issued the identification number, used when @AgencyID has a
value of "Other."
..... Ident.....*string* The coded identifier.
..... ContactName.....*string* The employee or department name.
..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.
..... Email (optional).....*string* The 1 to 80 character email address.
..... Fax (optional).....*string* The FAX number.
..... ShippingContact (optional)
..... Contact
..... Identifier (optional)
..... Agency
.....@AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier,
AssignedByBuyer, ANSI, GBABA, or Other) that issued the identification number.

.....@AgencyOther... ..*string* The agency that issued the identification number, used when @AgencyID has a value of "Other."

..... Ident.....*string* The coded identifier.

..... ContactName.....*string* The employee or department name.

..... Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

..... Email (optional).....*string* The 1 to 80 character email address.

..... Fax (optional).....*string* The FAX number.

.....OtherContacts (optional)

.....ListOfContactCoded

Repeating element ContactCoded

..... ContactCoded

..... Contact

.....Identifier (optional)

.....Agency

..... @AgencyID.*AgencyCode* The agency responsible for issuing part numbers.

..... @AgencyOther*string* The agency responsible for part numbers, used when @AgencyID has a value of "Other."

.....Ident.....*string* The coded identifier.

.....ContactName.....*string* The employee or department name.

.....Telephone.....*string* The 1 to 80 character telephone number including country code and area code.

.....Email (optional).....*string* The 1 to 80 character email address.

.....Fax (optional).....*string* The FAX number.

..... ContactFunctionCode.....*ContactFunctionCode* The contact's role. One of the following values: OrderContact, ReceivingContact, InfoContact, PurchasingContact, or SalesRepContact.

End of repeating element ContactCoded

..... Transport (optional)

.....@Direction.....*TransitDirection* The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).

.....Mode (optional).....*TransportMode* The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.

.....TransportModeOther (optional).....*string* A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.

.....Mean (optional).....*TransportMean* The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.

.....TransportMeanOther (optional).....*string* 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.

.....Carrier (optional).....*CarrierCode* The name of the carrier. One of the following values: None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other

.....CarrierOther (optional).....*string* The name of the carrier, specified if the value of Carrier is Other.

.....CustShippingContractNum (optional)...*string* The 1 to 35 character shipping contract number.

.....ShippingInstruction (optional).....*string* Brief (up to 256 characters) shipping instructions.

..... OffCatalogFlag.....*Boolean* True if the item appears in the product catalog; false if it does not.

..... SpecialHandlingNote (optional).....*string* Special handling instructions.

..... GeneralNote (optional).....*string* Additional instructions.

..... RequestedDeliveryDate (optional).....*datetime* The date by which the customer would like to receive the goods.

..... ShipByDate (optional).....*datetime* The date by which the goods must be shipped for timely delivery.

..... Tax (optional)

..... @FuncQual.....*TaxFuncQual* The function of the tax. One of the following values: CustomsDuty or Tax. Default value is Tax.

..... @Category.....*TaxCategory* The type of tax. One of the following values: Mixed, Exempt, Standard, freeExportItem, Zero, or Other. The default value is Standard.

..... @Type.....*TaxType* The type of tax. one of the following values: GST or VAT. The default value is GST.

..... TaxPercent.....*Decimal10_4* The rate of taxation, expressed as a percentage.

..... Location.....*string* The location of the taxing entity.

..... TaxId (optional).....*string* The tax identification number.

..... TaxAmount.....*Decimal18_3* The amount of the tax.

..... TaxableAmount.....*Decimal18_3* The amount subject to taxation.

..... ListOfAllowOrCharge

Repeating element AllowOrCharge

..... AllowOrCharge

..... IsCharge.....*Boolean* True if the item is a tax, false if it is a discount.

..... Basis.....*AllowOrChgBasis* The basis (None, Quantity, Percent, Money, or Tax) for the allowance or charge.

..... SeqNo.....*int* The order in which this allowance or charge is applied, relative to other allowances and charges.

..... Desc

..... AllowOrChgDesc

..... RefID (optional).....*string* The supplier's code number for the charge or allowance.

..... ListOfDescription (optional)....One or more descriptions of the allowance or charge. Each description must be in a different language.

..... Description.....*string* A description of the allowance or charge.

..... @Lang.....*LangCode* The language in which the description is written.

..... ServiceCode.....*AllowOrChgServCode* The service (None, Pickup, COD, or Handling) with which the allowance or charge is associated.

.....StartDate (optional).....*date* The first date that the allowance or charge applies.

.....EndDate (optional).....*date* The last date that the allowance or charge applies.

You may choose one of the following: QuantityRange or MoneyRange

.....QuantityRange (optional)
.....Range.....The quantity that must be ordered for the allowance or charge to apply.
..... @UnitOfMeasure.....UOMCode The unit of measurement in which the minimum and maximum quantities are
.....expressMinDecimal18_3 The minimum quantity to which the allowance or charge applies.
.....Max.....Decimal18_3 The maximum quantity to which the allowance or charge applies.

Or

.....MoneyRange (optional).....The monetary amount that must be ordered for the allowance or charge to apply.
..... @Min.....Decimal18_3 The minimum monetary amount to which the allowance or charge applies.
..... @Max.....Decimal18_3 The maximum monetary amount to which the allowance or charge applies.
..... @Currency.....CurrencyCode The currency in which the minimum and maximum amounts are
.....expressed.

End of choice between QuantityRange and MoneyRange

You MUST choose one of the following: Quantity, Money, Percent, or Tax

.....Quantity
.....Qty.....Decimal15_3 The quantity of the product supplied free of charge.
.....UnitOfMeasure.....The unit of measurement in which the quantity is expressed.
..... UOMCode.....UOMCode The unit of measurement.
..... UOMCodeOther.....string The unit of measurement, specified if UOMCode has a value of "Other."

Or

.....MoneyThe discount, expressed as a monetary amount.
..... @Currency.....CurrencyCode The currency in which the discount is expressed.

Or

.....PercentDecimal10_4 The discount expressed as a percentage of cost.

Or

.....Tax
..... @FuncQual.....TaxFuncQual The function (CustomsDuty or Tax) of the charge. The default value is Tax.
..... @Category.....TaxCategory The tax category (Other, Mixed, Exempt, Standard, FreeExportItem, or
.....Zero). The default value is Standard.
..... @Type.....TaxType The tax type (GST or VAT). The default value is GST.
.....TaxPercent.....Decimal10_4 The rate of taxation.
.....Location.....string The location of the taxing entity.
.....TaxId (optional).....string The tax identification number.
.....TaxAmount.....Decimal18_3 The monetary amount of the tax.
.....TaxableAmount.....Decimal18_3 The monetary amount subject to taxation.

End of choice between Quantity, Money, Percent, and Tax

..... BuyerExpectedUnitPrice
..... Price
.....UnitPrice.....The product's unit price expressed in a specified currency.

.....@Currency.....*CurrencyCode* The ISO code for the currency in which the unit price is expressed.

.....UnitPrice.....*Decimal15_4* The price for one unit of the product.

.....UnitOfMeasure (optional).....The unit of measurement in which the quantity is expressed.

.....UOMCode.....*UOMCode* The unit of measurement.

.....UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

.....StartDate (optional).....*date* The first date that the price applies.

.....EndDate (optional).....*date* The last date that the price applies.

.....QuantityRange (optional).....The quantity range to which the unit price applies. If not specified, the price applies to all quantities.

.....@UnitOfMeasure.....*UOMCode* The unit of measurement in which the quantities are expressed.

.....Range.....The minimum and maximum quantities included in the range.

.....@Min (optional).....*Decimal18_3* The minimum value included in the range. If not specified, there is no minimum value.

.....@Max (optional).....*Decimal18_3* The maximum value included *in the range*. If not specified, there is no maximum.

..... OrderDetailAttachment

..... Attachment

.....@Attachment.....The URI for the attachment.

.....Purpose.....*string* 1 to 70 character description of the attachment's function 9for example, Blueprint).

.....FileName (optional).....*string* 1 to 70 character file name of the attachment.

.....Title (optional).....*string* 1 to 70 character title of the attachment.

.....Language (optional).....*LangCode* The language in which the attachment is written.

..... VarianceQuantity (optional)

..... OrderedQtyDifference.....*Decimal15_3* The difference between the invoiced quantity and the quantity that was or OrderedQtyDifference

..... SupplierExpectedUnitPrice (optional)

..... Price

..... UnitPrice.....The product's unit price expressed in a specified currency.

.....@Currency.....*CurrencyCode* The ISO code for the currency in which the unit price is expressed.

.....UnitPrice.....*Decimal15_4* The price for one unit of the product.

.....UnitOfMeasure (optional).....The unit of measurement in which the quantity is expressed.

.....UOMCode.....*UOMCode* The unit of measurement.

.....UOMCodeOther.....*string* The unit of measurement, specified if UOMCode has a value of "Other."

.....StartDate (optional).....*date* The first date that the price applies.

.....EndDate (optional).....*date* The last date that the price applies.

..... QuantityRange (optional).....The quantity range to which the unit price applies. If not specified, the price applies to all quantities.

.....@UnitOfMeasure.....*UOMCode* The unit of measurement in which the quantities are expressed.

.....Range.....The minimum and maximum quantities included in the range.

.....@Min (optional).....*Decimal18_3* The minimum value included in the range. If not specified, there is no minimum value.

.....@Max (optional).....*Decimal18_3* The maximum value inPriceErrorInfo (optional)

.....ErrorInfo

.....CompletionCode.....*string* The error code.

.....CompletionMsg

.....LangString.....*string* The error message.

.....@Lang.....*LangCode* The ISO code for the language in which the message is written.

.....Severity.....*SeverityCode* The severity of the error. one of the following values: Informational, Warning, Diagnostic, Transient, Error, Warning, or Other.

.....ListOfParameter (optional).....One or more parameters specifying additional information about the error.

.....MinRetrySecs (optional).....*int* The number of seconds a caller must wait before sending a retry request.

.....SwVendorErrorRef (optional).....*string* The location of the code that generated the error.

.....AvailabilityErrorInfo (optional)

.....ErrorInfo

.....CompletionCode.....*string* The error code.

.....CompletionMsg

.....LangString.....*string* The error message.

.....@Lang.....*LangCode* The ISO code for the language in which the message is written.

.....Severity.....*SeverityCode* The severity of the error. one of the following values: Informational, Warning, Diagnostic, Transient, Error, Warning, or Other.

.....ListOfParameter (optional).....One or more parameters specifying additional information about the error.

.....MinRetrySecs (optional).....*int* The number of seconds a caller must wait before sending a retry request.

.....SwVendorErrorRef (optional).....*string* The location of the code that generated the error.

.....OrderResponseSummary

.....OrderSummary

.....TotalAmount.....*Decimal18_3* The total amount of the order.

.....TotalLineNum (optional).....*int* The number of line items in the order.

.....OrderResponseErrorInfo

.....ErrorInfo

.....CompletionCode.....*string* The error code.

.....CompletionMsg

.....LangString.....*string* The error message.

.....@Lang.....*LangCode* The ISO code for the language in which the message is written.

..... Severity.....*SeverityCode* The severity of the error. one of the following values: Informational, Warning, Diagnostic, Transient, Error, Warning, or Other.

..... ListOfParameter (optional).....One or more parameters specifying additional information about the error.

..... MinRetrySecs (optional).....*int* The number of seconds a caller must wait before sending a retry request.

..... SwVendorErrorRef (optional).....*string* The location of the code that generated the error.

Example 1

```
<?soxtype PurchaseOrderResponse urn:x-commerceone:document:com:commerceone:CBL:CBL..sox$1.0?>
```

```
<!--
```

```
* Copyright (c) 1999 Commerce One. All rights reserved. Redistribution and
* use in source and binary forms, with or without modification, is strictly
* prohibited without written permission from Commerce One.
```

```
-->
```

```
<!-- This is a sample response of the po1.xml document.
```

```
This sample represents the situation when supplier accepts
the PurchaseOrder as is. -->
```

```
<PurchaseOrderResponse>
```

```
<OrderResponseHeader>
```

```
<POIssuedDate>19990805T01:01:01</POIssuedDate>
<RequestedDeliveryDate>19990807T01:01:01</RequestedDeliveryDate>
<ShipByDate>19990809T01:01:01</ShipByDate>
<OrderReference>
```

```
<!-- An account is an agreement between a buyer and a supplier, specif
ied
```

```
by the account code. Remember that an agreement can consists of
multiple contracts. Agreement is not the same as contract.
```

```
An agreement 'contains' contract(s). -->
```

```
<AccountCode><Reference><RefNum>CTOP</RefNum></Reference> </AccountCode>
```

```
<!--BuyerRefNum = Buyer's PO number. -->
```

```
<BuyerRefNum><Reference><RefNum>100</RefNum></Reference></BuyerRefNum>
```

```
<!-- Notice I don't put the SupplierRefNum because it is optional -->
```

```
<SupplierRefNum><Reference><RefNum>500</RefNum></Reference>
```

```
</SupplierRefNum>
```

</OrderReference>
<OrderParty>
 <BuyerParty>
 <Party>
 <NameAddress>
 <Name1>Mr. Muljadi Sulistio</Name1>
 <Name2>Attention: Business Service Division</Name2>
 <Address1>1600 Riviera Ave</Address1>
 <Address2>Suite# 200</Address2>
 <City>Walnut Creek</City>
 <State>CA</State>
 <PostalCode>94596</PostalCode>
 <Country>US</Country>
 </NameAddress>
 <OrderContact>
 <Contact>
 <ContactName>Mr. Mike Holloway</ContactName>
 <Telephone>(925) 941-3333</Telephone>
 <Email>mike.holloway@commerceone.com</Email>
 <Fax>(925) 941-4555</Fax>
 </Contact>
 </OrderContact>
 <ReceivingContact>
 <Contact>
 <ContactName>Mr. Debbie Dub</ContactName>
 <Telephone>(925) 941-2222</Telephone>
 <Email>debbie.dub@commerceone.com</Email>
 <Fax>(925) 941-4555</Fax>
 </Contact>
 </ReceivingContact>
 <ShippingContact>
 <Contact>
 <ContactName>Ms. John Wayne</ContactName>
 <Telephone>(925) 941-1111</Telephone>
 <Email>john.wayne@commerceone.com</Email>
 <Fax>(925) 941-4555</Fax>
 </Contact>
 </ShippingContact>
</Party>

```

</BuyerParty>
<SupplierParty>
  <Party>
    <NameAddress>
      <Name1>Millenium Supplier Corporation</Name1>
      <Name2>Attention: Office Supply Division</Name2>
      <Address1>355 Alameda Street</Address1>
      <Address2>Suite 100</Address2>
      <City>San Jose</City>
      <State>CA</State>
      <PostalCode>94588</PostalCode>
      <Country>US</Country>
    </NameAddress>
  </Party>
</SupplierParty>
</OrderParty>
<Tax>
  <TaxPercent>000010.0000</TaxPercent>
  <Location>Walnut Creek</Location>
  <!-- TaxId is only required if category is exempt -->
  <TaxId>12345</TaxId>
  <TaxAmount>00000000000100.000</TaxAmount>
  <TaxableAmount>000000000001000.000</TaxableAmount>
</Tax>
<OrderCurrency>USD</OrderCurrency> <!-- US Dollar -->
<OrderLanguage>EN</OrderLanguage> <!-- EN=English -->

<Payment>
  <PaymentMean>CreditCard</PaymentMean>
  <PaymentTerm>Discount</PaymentTerm>
  <DiscountPercent>000005.0000</DiscountPercent>
  <DiscountDaysDue>10</DiscountDaysDue>
  <DiscountTimeRef>InvoiceDate</DiscountTimeRef>
  <NetDaysDue>30</NetDaysDue>
  <NetTimeRef>InvoiceDate</NetTimeRef>
  <CardInfo>
    <CardNum>1234432112344321</CardNum>
    <CardAuthCode>JUBF123</CardAuthCode>
    <CardRefNum>123</CardRefNum>
  </CardInfo>
</Payment>

```

<CardExpirationDate>20000805T01:01:01</CardExpirationDate>
<CardType>AMEX</CardType>
<CardHolderName>Mr. Joe Blow</CardHolderName>
</CardInfo>
</Payment>

<SalesRequirement>ShipPartial</SalesRequirement>
<SpecialHandlingNote>Please don't shake it.</SpecialHandlingNote>
<GeneralNote>Rush it please.</GeneralNote>
<PartLocation>Oakland</PartLocation>

<Transport Direction="SupplierToBuyer">
<Mode>Air</Mode>
<Mean>Express</Mean>
<Carrier>Fedex</Carrier>
<CustShippingContractNum>CTOP123</CustShippingContractNum>
<ShippingInstruction>Please handle with care</ShippingInstruction>
</Transport>

<TermOfDelivery TODFunction_a="Delivery" >
<Code>FOB</Code>
<FOBCity>San Francisco</FOBCity>
<FOBLocation>SFO Delta Airline Warehouse</FOBLocation>
<FOBInstruction>Talk to the company agent in isle 2</FOBInstruction>
<ShippingPaymentMethod>PrepaidBySeller</ShippingPaymentMethod>
</TermOfDelivery>

<OrderHeaderAttachment>
<Attachment Attachment="http://www.temporary.com/Pleasantondome.doc" >
<Purpose>Blueprint</Purpose>
</Attachment>
</OrderHeaderAttachment>

<!-- In this particular PO response, we accept the PO as is. -->
<ActionRequestOrNotification>AcceptedAsIs</ActionRequestOrNotification>

</OrderResponseHeader>

<ListOfOrderResponseDetail>

```

<OrderResponseDetail>
  <BaseItemDetail>
    <LineItemNum>1</LineItemNum>
    <SupplierPartNum>
      <PartNum>
        <Agency>AssignedBySupplier</Agency>
        <PartID>12345</PartID>
      </PartNum>
    </SupplierPartNum>
    <ItemDescription>Sanford Highlighting Marker</ItemDescription>
    <Quantity>
      <Qty>000000000001.000</Qty>
      <UnitOfMeasure>EA</UnitOfMeasure>
    </Quantity>
    <Transport Direction="SupplierToBuyer">
      <Mode>Air</Mode>
      <Mean>Express</Mean>
      <Carrier>Fedex</Carrier>
      <CustShippingContractNum>CTOP123</CustShippingContractNum>
      <ShippingInstruction>Please handle with care</ShippingInstruction>
    </Transport>
    <OffCatalogFlag>>false</OffCatalogFlag>
  </BaseItemDetail>
  <SalesRequirement>ShipPartial</SalesRequirement>
  <BuyerExpectedUnitPrice>
    <Price><UnitPrice>00000000010.0000</UnitPrice></Price>
  </BuyerExpectedUnitPrice>
</OrderResponseDetail>
</ListOfOrderResponseDetail>

<OrderSummary>
  <TotalAmount>00000000001000.000</TotalAmount>
  <TotalLineNum>1</TotalLineNum>
</OrderSummary>

</PurchaseOrderResponse>

```

Example 2

```
<?soxtype PurchaseOrderResponse urn:x-commerceedoc:document:com:commerceedoc:CBL:CBL.sox$1.0?>
```

```

<!--
* Copyright (c) 1999 Commerce One. All rights reserved. Redistribution and
* use in source and binary forms, with or without modification, is strictly
* prohibited without written permission from Commerce One.
-->

<!-- This is a sample response of the po1.xml document.
This sample represents the situation when supplier rejects the PO
because of these following reasons:
- price issue: the buyer price does not match supplier price
- availability issue: need to back order the item, and supplier wants to
  give more information about when they will
  deliver.
-->

<PurchaseOrderResponse>

  <OrderResponseHeader>
    <POIssuedDate>19990805T01:01:01</POIssuedDate>
    <RequestedDeliveryDate>19990807T01:01:01</RequestedDeliveryDate>
    <ShipByDate>19990809T01:01:01</ShipByDate>
    <OrderReference>
      <!-- An account is an agreement between a buyer and a supplier, specified
           by the account code. Remember that an agreement can consists of
           multiple contracts. Agreement is not the same as contract.
           An agreement 'contains' contract(s). -->
      <AccountCode><Reference><RefNum>CTOP</RefNum></Reference> </AccountCode>

      <!--BuyerRefNum = Buyer's PO number. -->
      <BuyerRefNum><Reference><RefNum>100</RefNum></Reference></BuyerRefNum>
      <!-- Notice I don't put the SupplierRefNum because it is optional -->
      <SupplierRefNum><Reference><RefNum>500</RefNum></Reference>
    </SupplierRefNum>
  </OrderReference>
  <OrderParty>
    <BuyerParty>
      <Party>
        <NameAddress>

```

<Name1>Mr. Muljadi Sulistio</Name1>
<Name2>Attention: Business Service Division</Name2>
<Address1>1600 Riviera Ave</Address1>
<Address2>Suite# 200</Address2>
<City>Walnut Creek</City>
<StateOrProvince>CA</StateOrProvince>
<PostalCode>94596</PostalCode>
<Country>US</Country>
</NameAddress>
<OrderContact>
 <Contact>
 <ContactName>Mr. Mike Holloway</ContactName>
 <Telephone>(925) 941-3333</Telephone>
 <Email>mike.holloway@commerceone.com</Email>
 <Fax>(925) 941-4555</Fax>
 </Contact>
</OrderContact>
<ReceivingContact>
 <Contact>
 <ContactName>Mr. Debbie Dub</ContactName>
 <Telephone>(925) 941-2222</Telephone>
 <Email>debbie.dub@commerceone.com</Email>
 <Fax>(925) 941-4555</Fax>
 </Contact>
</ReceivingContact>
<ShippingContact>
 <Contact>
 <ContactName>Ms. John Wayne</ContactName>
 <Telephone>(925) 941-1111</Telephone>
 <Email>john.wayne@commerceone.com</Email>
 <Fax>(925) 941-4555</Fax>
 </Contact>
</ShippingContact>
</Party>
</BuyerParty>
<SupplierParty>
 <Party>
 <NameAddress>
 <Name1>Millenium Supplier Corporation</Name1>


```
<Name2>Attention: Office Supply Division</Name2>
<Address1>355 Alameda Street</Address1>
<Address2>Suite 100</Address2>
<City>San Jose</City>
<StateOrProvince>CA</StateOrProvince>
<PostalCode>94588</PostalCode>
<Country>US</Country>
</NameAddress>
</Party>
</SupplierParty>
</OrderParty>
<Tax>
  <TaxPercent>10.0000</TaxPercent>
  <Location>Walnut Creek</Location>
  <!-- TaxId is only required if category is exempt -->
  <TaxId>12345</TaxId>
  <TaxAmount>100.000</TaxAmount>
  <TaxableAmount>1000.000</TaxableAmount>
</Tax>
<OrderCurrency>USD</OrderCurrency> <!-- US Dollar -->
<OrderLanguage>EN</OrderLanguage> <!-- EN=English -->

<Payment>
  <PaymentMean>CreditCard</PaymentMean>
  <PaymentTerm>Discount</PaymentTerm>
  <DiscountPercent>5.0000</DiscountPercent>
  <DiscountDaysDue>10</DiscountDaysDue>
  <DiscountTimeRef>InvoiceDate</DiscountTimeRef>
  <NetDaysDue>30</NetDaysDue>
  <NetTimeRef>InvoiceDate</NetTimeRef>
  <CardInfo>
    <CardNum>1234432112344321</CardNum>
    <CardAuthCode>JUBF123</CardAuthCode>
    <CardRefNum>123</CardRefNum>
    <CardExpirationDate>20000805T01:01:01</CardExpirationDate>
    <CardType>AMEX</CardType>
    <CardHolderName>Mr. Joe Blow</CardHolderName>
  </CardInfo>
</Payment>
```

<PartialShipmentAllowed>true</PartialShipmentAllowed>
<SpecialHandlingNote>Please don't shake it.</SpecialHandlingNote>
<GeneralNote>Rush it please.</GeneralNote>
<PartLocation>Oakland</PartLocation>

<Transport Direction="SupplierToBuyer">
 <Mode>Air</Mode>
 <Mean>Express</Mean>
 <Carrier>Fedex</Carrier>
 <CustShippingContractNum>CTOP123</CustShippingContractNum>
 <ShippingInstruction>Please handle with care</ShippingInstruction>
</Transport>

<TermOfDelivery TODFunction_a="Delivery" >
 <Code>FOB</Code>
 <FOBCity>San Francisco</FOBCity>
 <FOBLocation>SFO Delta Airline Warehouse</FOBLocation>
 <FOBInstruction>Talk to the company agent in isle 2</FOBInstruction>
 <ShippingPaymentMethod>PrepaidBySeller</ShippingPaymentMethod>
</TermOfDelivery>

<OrderHeaderAttachment>
 <ListOfAttachment>
 <Attachment Attachment="http://www.temporary.com/Pleasantondome.doc" >
 <Purpose>Blueprint</Purpose>
 </Attachment>
 </ListOfAttachment>
</OrderHeaderAttachment>

<!-- In this particular PO response, we accept the PO as is. -->
<ActionRequestOrNotification>NotAccepted</ActionRequestOrNotification>

</OrderResponseHeader>

<ListOfOrderResponseDetail>
<OrderResponseDetail>
 <BaseItemDetail>
 <LineItemNum>1</LineItemNum>

```

<SupplierPartNum>
<PartNum>
  <Agency AgencyID="AssignedBySupplier" />
  <PartID>12345</PartID>
</PartNum>
</SupplierPartNum>
<ItemDescription>Sanford Highlighting Marker</ItemDescription>
<Quantity>
  <Qty>1.100</Qty>
  <UnitOfMeasure>EA</UnitOfMeasure>
</Quantity>
<Transport Direction="SupplierToBuyer">
  <Mode>Air</Mode>
  <Mean>Express</Mean>
  <Carrier>Fedex</Carrier>
  <CustShippingContractNum>CTOP123</CustShippingContractNum>
  <ShippingInstruction>Please handle with care</ShippingInstruction>
</Transport>
<OffCatalogFlag>>false</OffCatalogFlag>
</BaseItemDetail>
<BuyerExpectedUnitPrice>
  <Price><UnitPrice>10.0000</UnitPrice></Price>
</BuyerExpectedUnitPrice>

<!-- We can't fulfill whole item line number 1 -->
<VarianceQuantity>
  <OrderedQtyDifference>-10.000</OrderedQtyDifference>
</VarianceQuantity>

<SupplierExpectedUnitPrice>
  <Price><UnitPrice>25.0000</UnitPrice></Price>
</SupplierExpectedUnitPrice>
</OrderResponseDetail>
</ListOfOrderResponseDetail>

<OrderSummary>
  <TotalAmount>1000.000</TotalAmount>
  <TotalLineNum>1</TotalLineNum>
</OrderSummary>

```

</PurchaseOrderResponse>

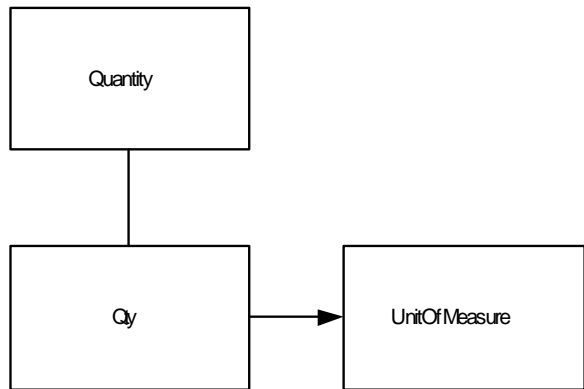
Quantity

The Quantity element contains a quantity expressed in a particular unit of measurement. It consists of:

- A Qty element, which specifies the quantity.
- A UnitOfMeasure element, which specifies the unit of measurement in which the quantity is expressed.

[Source Code](#) Quantity.mod on page 1176

Structure



Contents

Quantity	
.....Qty.....	<i>Decimal15_3</i> The quantity of the item.
.....UnitOfMeasure.....	The unit of measurement in which the quantity is expressed.
.....UOMCode.....	<i>UOMCode</i> The unit of measurement.
.....UOMCodeOther.....	<i>string</i> The unit of measurement, specified if the value of UOMCode is "Other."

Examples

```
<Quantity>
  <Qty>4</Qty>
  <UnitOfMeasure>
    <UOMCode>1A</UOMCode>
```

</UnitOfMeasure>
</Quantity>

QuantityQual

The QuantityQual datatype enumerates the codes that represent data element 6063, Quantity qualifier.

Source Code Quantity.mod on page 1176

Values

The following QuantityQual code values have been defined:

Code	Description
Discrete	1=Discrete quantity
Ordered	21=Ordered quantity
ConsumerUnitNum	59=Number of consumer units in the traded unit
FreeGoods	192=Free goods quantity
ReturnRepl	37E>Returns replacement quantity (EAN Code)
BackOrdered	83=Backorder quantity
UnitsInParent	17E=Quantity in lower config level

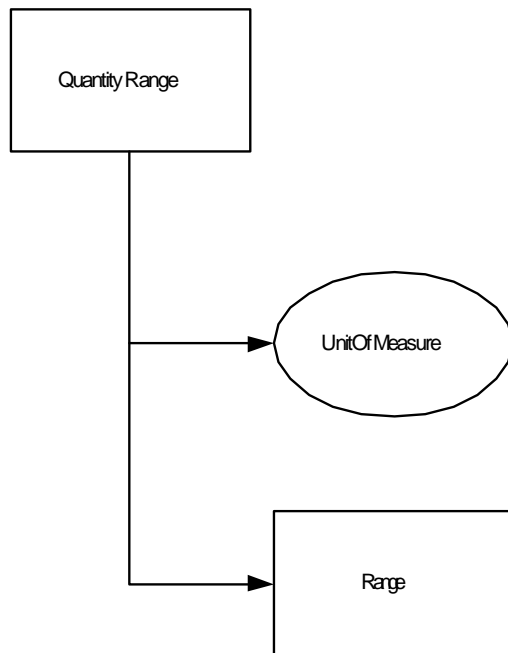
QuantityRange

The QuantityRange element defines a quantity range by specifying its minimum and maximum quantities in a designated unit of measurement. It consists of:

- A UnitOfMeasure attribute, which specifies the units in which the range is expressed.
- A Range element, which specifies the minimum and maximum values included in the range.

[Source Code](#) QuantityRange.mod on page 1178

Structure



Contents

QuantityRange

.....@UnitOfMeasure..... *UOMCode* The unit of measurement in which the quantities are expressed.
Range..... The minimum and maximum quantities included in the range.
 @Min (optional)..... *Decimal18_3* The minimum value included in the range. If not specified, there is no minimum value.
 @Max (optional)..... *Decimal18_3* The maximum value included *in the range*. If not specified, there is no maximum.

Examples

```
<QuantityRange Min="1" Max="9" UnitOfMeasure="1A"></QuantityRange>
```

```
<QuantityRange Min="11" />
```

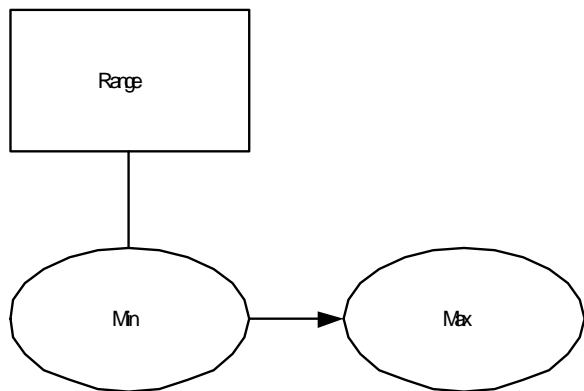
Range

The Range element defines a range by specifying its minimum and/or maximum values. An empty element, Range consists of:

- An optional Min attribute, which specifies the lowest value included in the range.
- An optional Max attribute, which specifies the highest value included in the range.

[Source Code](#) Range.mod on page 1179

Structure



Contents

Range

.....@Min (optional).....	<i>Decimal18_3</i> The minimum value included in the range. If not specified, there is no minimum value.
.....@Max (optional).....	<i>Decimal18_3</i> The maximum value included in the range. If not specified, there is no maximum.

Examples

```
<?xml version="1.0"?>
<?soxtype urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0?>
<Range Min="1" Max="15"/>
```

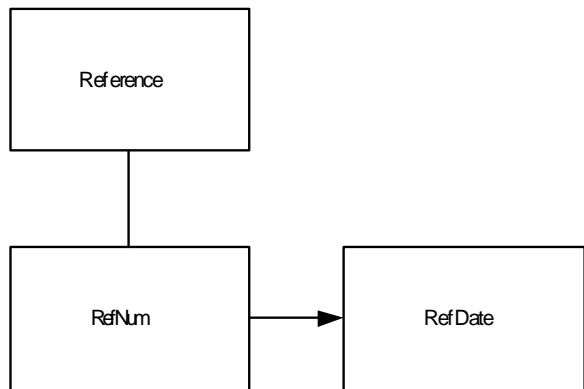
Reference

The Reference element contains a reference to another document, such as a contract or an order. It consists of:

- A RefNum element, which identifies the document being referenced.
- An optional RefDate element, which specifies the date of the reference.

[Source Code](#) Reference.mod on page 1181

Structure



Contents

Reference

.....RefNum.....*string* The document being referenced.
.....RefDate (optional).....*datetime* The date of the reference.

Examples

```
<Reference>  
    <RefNum>WID-80-100</RefNum>  
    <RefDate>19990623T03:22:10</RefDate>  
</Reference>
```

ReferenceCode

The ReferenceCode datatype enumerates the values that may be used to describe a referenced document.

[Source Code](#) ReferenceCoded.mod on page 1183

Values

The following ReferenceCode values have been defined:

- Other
- CustRefNum
- ContractNum
- PrevProdCat
- PriceListNum
- ProdInqNum

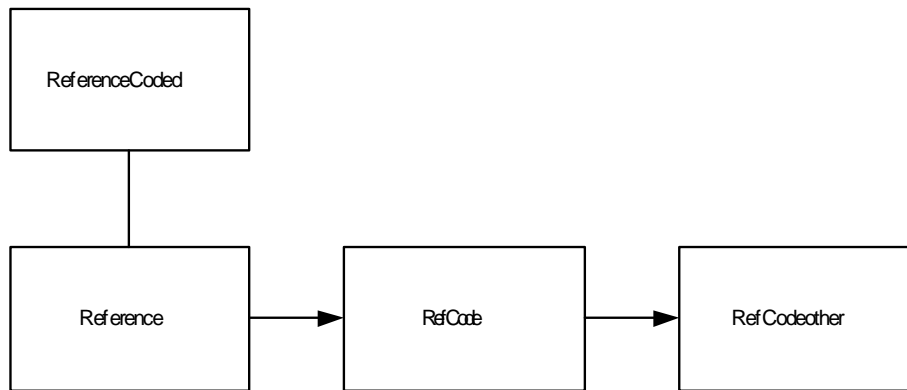
ReferenceCoded

The ReferenceCoded element contains a reference to another document and specifies the meaning of the reference. It consists of:

- A Reference element, which identifies the document and the date of the reference.
- A RefCode element, which specifies the type of reference (CustRefNum, ContractNum, PrevProdCat, PriceListNum, ProdInqNum, or Other).
- An optional RefCodeOther element, which specifies the type of reference if the value of RefCode is Other.

[Source Code](#) ReferenceCoded.mod on page 1183

Structure



Contents

ReferenceCoded	
.....Reference	
..... RefNum.....	<i>string</i> The document being referenced.
..... RefDate (optional).....	<i>datetime</i> The date of the reference.
.....RefCode.....	<i>ReferenceCode</i> The type of reference (CustRefNum, ContractNum, PrevProdCat, PriceListNum, ProdInqNum, or Other)
.....RefCodeOther (optional).....	<i>string</i> the type of reference, specified if RefCode has a value of Other.

Examples

<ReferenceCoded>

<RefNum>EE65T-00</RefNum>
<RefDate>19990311T01:30:22</RefDate>
<RefCode><?xm-replace_text {RefCode}?></RefCode>
</ReferenceCoded>

RefQual

The RefQual datatype enumerates the values that may be used to further describe a referenced document. These values are based on EDIFACT data element 1153, Reference Qualifier.

[Source Code](#) Reference.mod on page 1181

Values

The following RefQual values have been defined:

RefQual Value	Description	EDIFACT Code
Other	Qualifier is not included in this list	
Contract	Contract number	CT
AgreementToPay	Agreement to pay number	AGB
PartyFileRef	Party File Ref number (EAN)	PAR
BuyerCatalog	Buyer's catalogue number	AMW
SupplierOrderNum	Order number (supplier)	VN
BuyerOrderNum	Order number (buyer)	ON
BlanketOrderNum	Blanket order number	BO

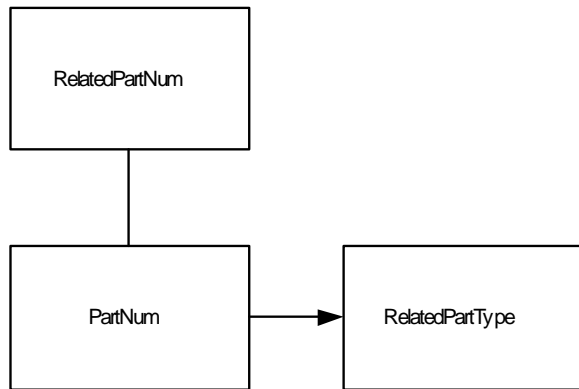
RelatedPartNum

The RelatedPartNum element identifies a related part and specifies the nature of its relationship to the current part. It consists of:

- A RelatedPartType attribute, which specifies the nature of the relationship.
- A PartNum element, which identifies the part.

[Source Code](#) RelatedPartNum.mod on page 1185

Structure



Contents

RelatedPartNum

.....@RelatedPartType.....	.....<i>string</i> The nature of the relationship between the parts.
.....PartNum	
..... Agency	
..... @AgencyID.....	.....<i>AgencyCode</i> The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
..... @AgencyOther.....	.....<i>string</i> The agency, specified when @AgencyID has a value of "Other."
..... PartID.....	.....<i>string</i> The unique identifier for the part.
..... PartIDExt (optional).....	.....<i>string</i> The part number extension.

Examples


```
<RelatedPartNum RelatedPartType="Version">  
  <Agency AgencyID="AssignedBySupplier" />  
  <PartID>123.2</PartID>  
</RelatedPartNum>
```

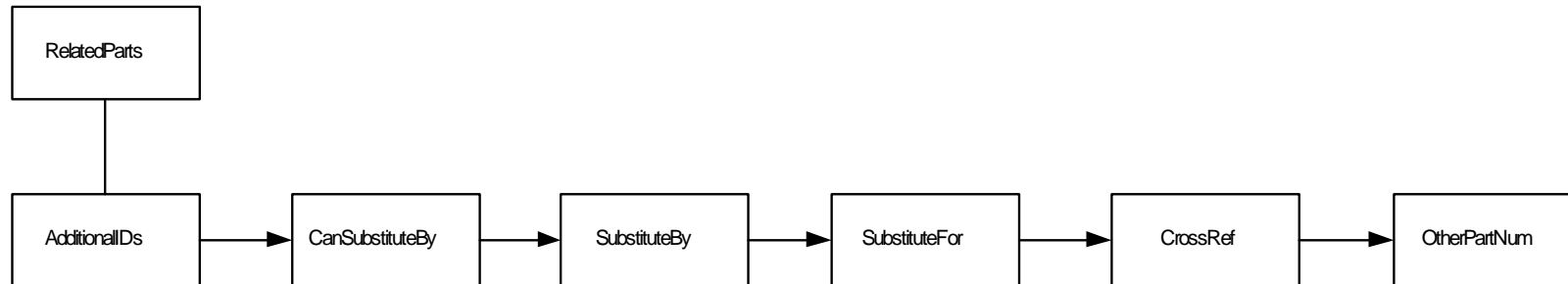
RelatedParts

The RelatedParts element contains a list of parts that are related to a given part. The list may include additional IDs for the part, substitutes for the part, and parts with other types of relationships to the part. RelatedParts consists of:

- An optional AdditionalIDs element, which specifies additional part numbers for the part.
- An optional CanSubstituteBy element, which identifies parts that may be substituted when this part is not available.
- An optional SubstituteBy element, which identifies parts that are substitutes for this part.
- An optional SubstituteFor element, which identifies parts for which this part is a substitute.
- An optional CrossRef element, which identifies parts that are referenced by this part.
- An optional OtherPartNums element, which identifies any other related parts.

[Source Code](#) RelatedParts.mod on page 1187

Structure



Contents

RelatedParts

.....AdditionalIDs (optional).....	.....Other part numbers by which this part is known.
.....ListOfPartNum.....	.....One or more additional part numbers for this part.
Repeating element PartNum	
.....PartNum.....	.....An additional part number that has been assigned to this part.
.....Agency.....	.....The agency that assigned the part number.
.....@AgencyID.....	.....<i>AgencyCode</i> The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).
.....@AgencyOther.....	.....<i>string</i> The agency, specified when @AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

.....CanSubstituteBy (optional).....Parts that may be substituted when this part is not available.

.....ListOfPartNum.....One or more part numbers that may be substituted when this part is not available.

Repeating element PartNum

..... PartNum.....The part number that may be substituted when this part is not available.

..... Agency.....The agency that assigned the part number.

..... @AgencyID.....*agencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other).that assigned the part number.

..... @AgencyOther.....*string* The agency that assigned the part number, specified when @AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

.....SubstituteBy (optional).....Parts that are substitutes for this part.

.....ListOfPartNum.....One or more part numbers that are substitutes for this part.

Repeating element PartNum

..... PartNum.....The part number that is substituted for this part.

..... Agency.....The agency that assigned the part number.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.

..... @AgencyOther.....*string* The agency that assigned the part number, specified when @AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

.....SubstituteFor (optional).....Parts for which this part is a substitute.

.....ListOfPartNum.....One or more parts for which this part is a substitute.

Repeating element PartNum

..... PartNum.....The part number for which this part is substituted.

..... Agency.....The agency that assigned the part number.

..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.

..... @AgencyOther.....*string* The agency that assigned the part number, specified when @AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.

..... PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

.....CrossRef (optional).....Other parts that are referenced by this part.
.....ListOfPartNum.....One or more parts that are referenced by this part.

Repeating element PartNum

..... PartNum.....The part number of the referenced part.
..... Agency.....The agency that assigned the part number.
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.
..... @AgencyOther.....*string* The agency that assigned the part number, specified when @AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.

End of repeating element PartNum

.....OtherPartNum (optional).....Other related parts.
.....ListOfRelatedPartNum.....One or more parts that are related to this part.

Repeating element RelatedPartNum

..... RelatedPartNum.....The part number of the related part.
..... @RelatedPartType
..... PartNum.....The part number.
..... Agency.....The agency that assigned the part number.
..... @AgencyID.....*AgencyCode* The agency (CommerceOne, ISO, EAN, AssignedBySupplier, AssignedByBuyer, ANSI, GBABA, or Other) that assigned the part number.
..... @AgencyOther.....*string* The agency that assigned the part number, specified when @AgencyID has a value of "Other."

..... PartID.....*string* The unique identifier for the part.
..... PartIDExt (optional).....*string* The part number extension.

End of repeating element RelatedPartNum

Examples

```
<RelatedParts>
  <AdditionalIDs>
    <ListOfPartNum>
      <PartNum>
        <Agency AgencyID="AssignedByBuyer" />
        <PartID>XYZ12345</PartID>
      </PartNum>
      <PartNum>
        <Agency AgencyID="AssignedBySupplier" />
        <PartID>12345</PartID>
      </PartNum>
    </ListOfPartNum>
  </AdditionalIDs>
</RelatedParts>
```

```
</ListOfPartNum>
</AdditionalIDs>

<SubstituteFor>
  <ListOfPartNum>
    <PartNum>
      <Agency AgencyID="AssignedBySupplier" />
      <PartID>12386</PartID>
      <PartIDExt>A</PartIDExt>
    </PartNum>
  </ListOfPartNum>
</SubstituteFor>

<OtherPartNums>
  <ListOfRelatedPartNum>
    <RelatedPartNum RelatedPartType="Version">
      <Agency AgencyID="AssignedBySupplier" />
      <PartID>123.2</PartID>
    </RelatedPartNum>
  </ListOfRelatedPartNum>
</OtherPartNums>
</RelatedParts>
```

SalesRequirementCode

The SalesRequirementCode datatype enumerates values that describe a buyer's willingness to accept partial shipment.

Values

The following SalesRequirementCode values have been defined:

SalesRequirementCode Value	Description
ShipComplete	Buyer is not willing to accept partial shipment.
ShipPartial	Willing to accept partial shipment.

[Source Code](#) CommonDataElement.mod on page 1011

SeverityCode

The SeverityCode datatype enumerates the codes that may be used to describe the severity of an error. These codes are based on various sources including IOTP 1.0 (Error Component section) and Commerce One.

[Source Code](#) ErrorInfo.mod on page 1048

Values

The following SeverityCode values have been defined:

SeverityCode Value	Description
Other	This option should not be used under normal circumstances.
Informational	For caller information only.
Warning	Non fatal error.
Diagnostic	For diagnostic or debugging purposes
Transient	Errors are temporary in nature; resend request at a later time.
Error	A business error has occurred.

ShippingPaymentMethodCode

The ShippingPaymentMethodCode datatype enumerates the codes that representation various methods of payment for transportation charges. These codes are based on data element 4215. For more information about shipping payment methods, visit the following website:

<http://www.harbinger.com/resource/X12/segments/elements/el146.html>

[Source Code](#) TermOfDelivery.mod on page 1198

Values

The following ShippingPaymentMethodCode values have been defined:

ShippingPaymentMethodCode	Description
Other	
Collect	CC = Collect
PrepaidChargeCust	Prepaid but charged to customer
PrepaidOnly	PO = Prepaid only
PrepaidBySeller	PP = Prepaid by seller
Pickup	PU = Customer is responsible for payment of pickup charges at shipping point.
PaidByBuyer	EDI146 - BP
ThirdPartyPay	EDI146 - TP
PaidBySeller	EDI146 - PS
PerContract	EDI146 - DE

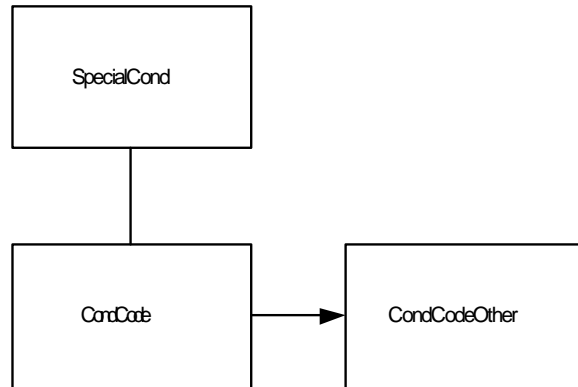
SpecialCond

The SpecialCond element identifies any special conditions to which a line item is subject due to origin, customs, preference, embargo regulations or commercial factors. It consists of:

- A CondCode element, which identifies the special condition (SubjectToBonus, SubjectToCommission, PriceIncludesExcise, PriceIncludesTax, SubjectToExportRestrictions, PromotionalPrice, Service, Loan, Rental, Processing, Exchange, Return, or Other).
- An optional CondCodeOther element, which describes the special condition in the event that CondCode has a value of Other.

[Source Code](#) SpecialCond.mod on page 1189

Structure



Contents

SpecialCond

.....CondCode.....	<i>SpecialCondCode</i> The special condition to which the item is subject. One of the following values: SubjectToBonus, SubjectToCommission, PriceIncludesExcise, PriceIncludesTax, SubjectToExportRestrictions, PromotionalPrice, Service, Loan, Rental, Processing, Exchange, Return, or Other.
.....CondCodeOther (optional).....	<i>string</i> The special condition to which the item is subject, specified if the value of CondCode is Other.

Examples

```
<SpecialCond>  
  <CondCode>PriceIncludesTax</CondCode>  
</SpecialCond>
```

SpecialCondCode

The SpecialCondCode datatype enumerates the codes used to represent special conditions. These codes are based on EANCOM code set 4183.

[Source Code](#) SpecialCond.mod on page 1189

Values

The following SpecialCondCode values have been defined:

SpecialCondCode	Description or EANCOM Code
SubjectToBonus	
SubjectToCommission	
PriceIncludesExcise	
PriceIncludesTax	
SubjectToExportRestrictions	
PromotionalPrice	
Service	94
Loan	103
Rental	104
Processing	105
Exchange	106
Return	109

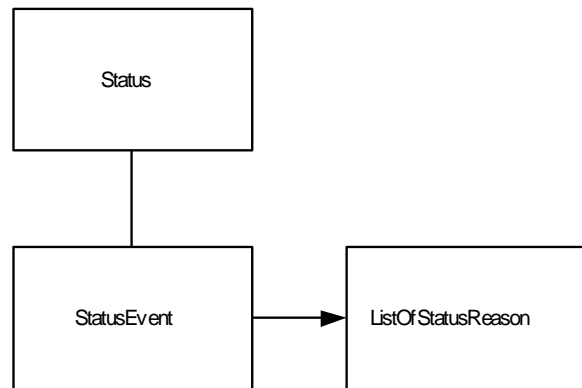
Status

The Status element contains information about the status of an order. It consists of:

- A StatusNote element, which contains general information about the status.
- A StatusEvent element, which contains the status of the order.
- An optional ListOfStatusReason element, which contains one or more reasons for the status.

[Source Code](#) Status.mod on page 1191

Structure



Contents

Status

.....StatusNote.....	.....<i>string</i> General information about the status of an order.
.....StatusEvent.....	.....The status of the purchase order.
..... ..StatusEventCodeElement.....	.....<i>StatusEventCode</i> The status of the order.
..... ..StausEventCodeOther (optional).....	.....<i>string</i> The status of the the order, specified if the value of StatusEventCodeElement is Other.
.....ListOfStatusReason (optional).....	.....One or more reasons for the status.
Repeating element StatusReason	
..... ..StatusReason	
..... ..StatusReasonCodeElement.....	.....<i>StatusReasonCode</i> The reason for the purchase order's status.

..... StatusReasonCodeother (optional)..... *string* The reason for the purchase order's status, specified if StatusReasonCodeElement has a value of Other.

End of repeating element StatusReason

Examples

```
<?xml version="1.0"?><?soctype urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0?>
<Status>
  <StatusNote>This order is overdue and we were able to get items from another supplier.</StatusNote>
  <StatusEvent>
    <StatusEventCodeElement>NotAccepted</StatusEventCodeElement>
  </StatusEvent>
  <ListOfStatusReason>
    <StatusReason>
      <StatusReasonCodeElement>IncidentAttributedToSeller</StatusReasonCodeElement>
    </StatusReason>
  </ListOfStatusReason>
</Status>
```

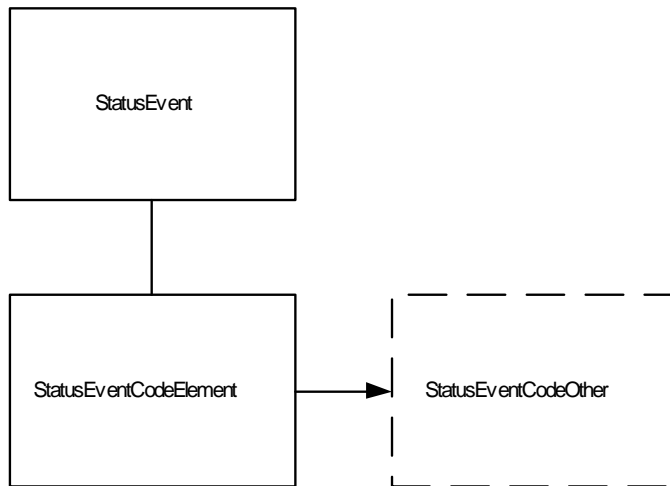
StatusEvent

The StatusEvent element ... It consists of:

- A StatusEventCodeElement element, which contains the status of the order.
- An optional StatusEventCodeOther element, which describes the order's status if the value of StatusEventCodeElement is Other.

[Source Code](#) Status.mod on page 1191

Structure



Contents

StatusEvent

.....StatusEventCodeElement.....	.....<i>StatusEventCode</i> The status of the order.
.....StausEventCodeOther (optional) .....	.....<i>string</i> The status of the the order, specified if the value of StatusEventCodeElement is Other.

Examples

```
<StatusEvent>  
  <StatusEventCodeElement>NotAccepted</StatusEventCodeElement>  
</StatusEvent>
```

StatusEventCode

The StatusEventCode datatype enumerates the codes that may be used to describe the status of a purchase order. It is based on data element 9011, Status event, coded.

[Source Code](#) Status.mod on page 1191

Values

The following StatusEventCode values have been defined:

- Other
- NoInfo
- NewOrder
- Accepted
- NotAccepted
- Processing
- Completed
- Cancelled
- PrepaymentRequired

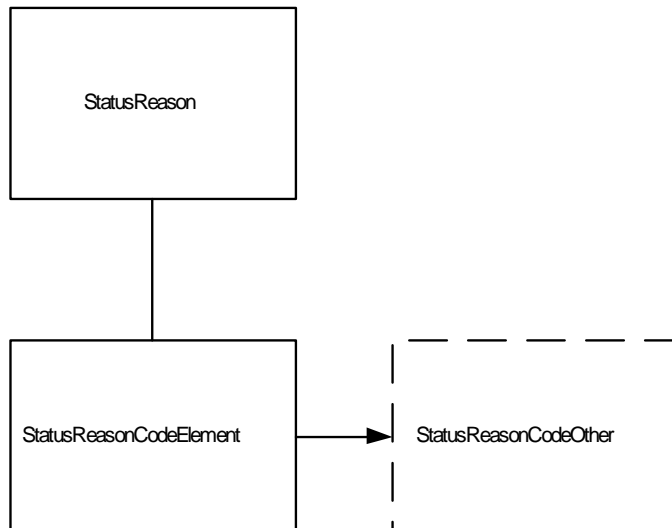
StatusReason

The StatusReason element contains the reason for the current status of a purchase order. It consists of:

- A StatusReasonCodeElement element, which contains the reason for the status.
- An optional StatusReasonCodeOther element, which describes the reason for the status if StatusReasonCodeElement has a value of Other.

[Source Code](#) Status.mod on page 1191

Structure



Contents

StatusReason

.....StatusReasonCodeElement.....	<i>StatusReasonCode</i> The reason for the purchase order's status.
.....StatusReasonCodeother (optional).....	<i>string</i> The reason for the purchase order's status, specified if StatusReasonCodeElement has a value of Other.

Examples

```
<StatusReason>  
  <StatusReasonCodeElement>IncidentAttributedToSeller</StatusReasonCodeElement>  
</StatusReason>
```

StatusReasonCode

The StatusReasonCode datatype enumerates the values that specify the reason for a purchase order's status. It is based on data element 9013, Status reason, coded.

[Source Code](#) Status.mod on page 1191

Values

The following StatusReasonCode values have been defined:

StatusReasonCode Value	Data Element 9013 Code
Other	No corresponding code
CustomsRefusal	17
EmptyOnInspection	30
DestinationIncorrect	210
ExportRestrictions	217
ImportRestrictions	219
PaymentNotReceived	231
DeliveryDifferentDate	23E
DeliveryTooLate	28E
IncidentAttributedToSeller	35E
IncidentAttributedToTheBuyer	36E
IncidentAttributedToTheCarrier	37E

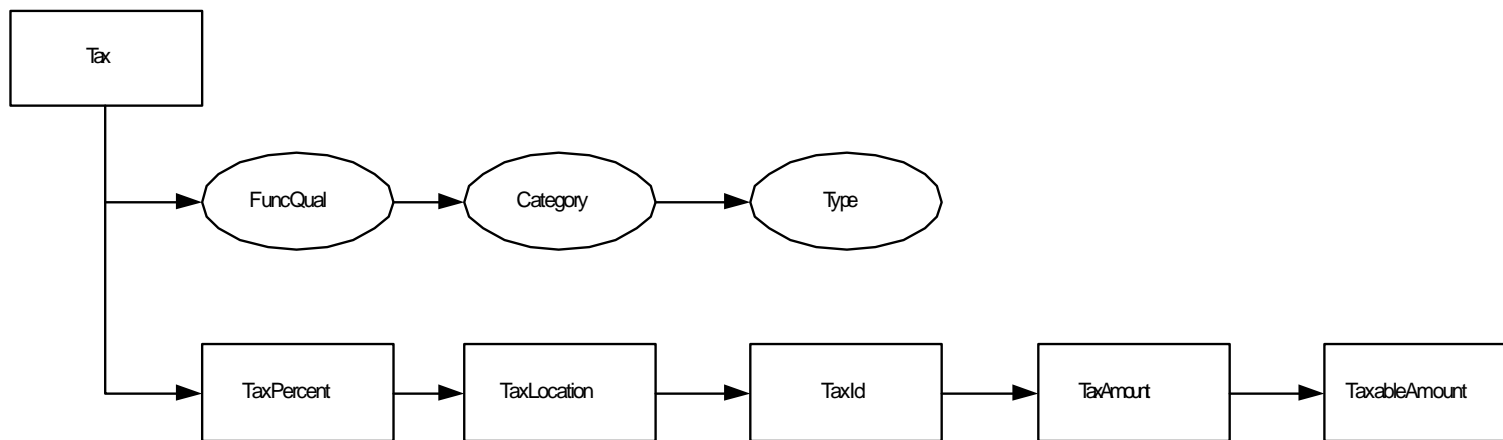
Tax

The Tax element contains information about a tax. It consists of:

- A FuncQual attribute, which specifies the function (CustomsDuty or Tax) of the charge.
- A Category attribute, which specifies the category (Mixed, Exempt, Standard, FreeExportItem, Zero, or Other) of the tax.
- A Type attribute, which specifies the tax type (GST or VAT).
- A TaxPercent element, which specifies the rate of taxation as a percentage.
- A TaxLocation element, which specifies the location of the taxing entity.
- An optional TaxId location, which specifies the tax identification number.
- A TaxAmount element, which specifies the amount of the tax.
- A TaxableAmount element, which specifies the amount subject to taxation.

[Source Code](#) Tax.mod on page 1195

Structure



Contents

Tax

.....@FuncQual.....	.....<i>TaxFuncQual</i>	The function of the tax. One of the following values: CustomsDuty or Tax. Default value is Tax.
.....@Category.....	.....<i>TaxCategory</i>	The type of tax. One of the following values: Mixed, Exempt, Standard, freeExportItem, Zero, or Other. The default value is Standard.
.....@Type.....	.....<i>TaxType</i>	The type of tax. one of the following values: GST or VAT. The default value is GST.
.....TaxPercent.....	.....<i>Decimal10_4</i>	The rate of taxation, expressed as a percentage.
.....Location.....	.....<i>string</i>	The location of the taxing entity.
.....TaxId (optional).....	.....<i>string</i>	The tax identification number.
.....TaxAmount.....	.....<i>Decimal18_3</i>	The amount of the tax.
.....TaxableAmount.....	.....<i>Decimal18_3</i>	The amount subject to taxation.

Examples

```
<Tax>
  <TaxPercent>000010.0000</TaxPercent>
  <Location>Walnut Creek</Location>
  <!-- TaxId is only required if category is exempt -->
  <TaxId>12345</TaxId>
  <TaxAmount>000000000000100.000</TaxAmount>
  <TaxableAmount>000000000001000.000</TaxableAmount>
</Tax>
```

TaxCategory

The TaxCategory datatype enumerates the codes that represent various types of duties, taxes, and fees. The default TaxCategory value is Standard.

[Source Code](#) Tax.mod on page 1195

Values

The following TaxCategory code values have been defined:

TaxCategory Code	Description
Other	Tax category is not included in this list, but mutually defined by the parties to the transaction.
Mixed	Mixed tax rate (A)
Exempt	Exempt from tax (E)
Standard	Standard rate (S)
FreeExportItem	Free export item, tax not charged (G)
Zero	Zero rated goods (Z)

TaxFuncQual

The TaxFuncQual datatype enumerates the codes that provide additional information about the function of a duty, tax, or fee. These codes are based on data element 5283. The default value is Tax.

[Source Code](#) Tax.mod on page 1195

Values

The following TaxFuncQual code values have been defined:

- CustomsDuty
- Tax

TaxType

The TaxType datatype enumerates the codes used to describe various types of duties, taxes, and fees. These codes are based on data element 5153. The default TaxType code is GST.

[Source Code](#) Tax.mod on page 1195

Values

The following TaxType vode values have been defined:

TaxType Code	Description
GST	Goods and services tax
VAT	Value Added Tax

TermOfDelivery

The TermOfDelivery element specifies information about how goods are delivered. It consists of:

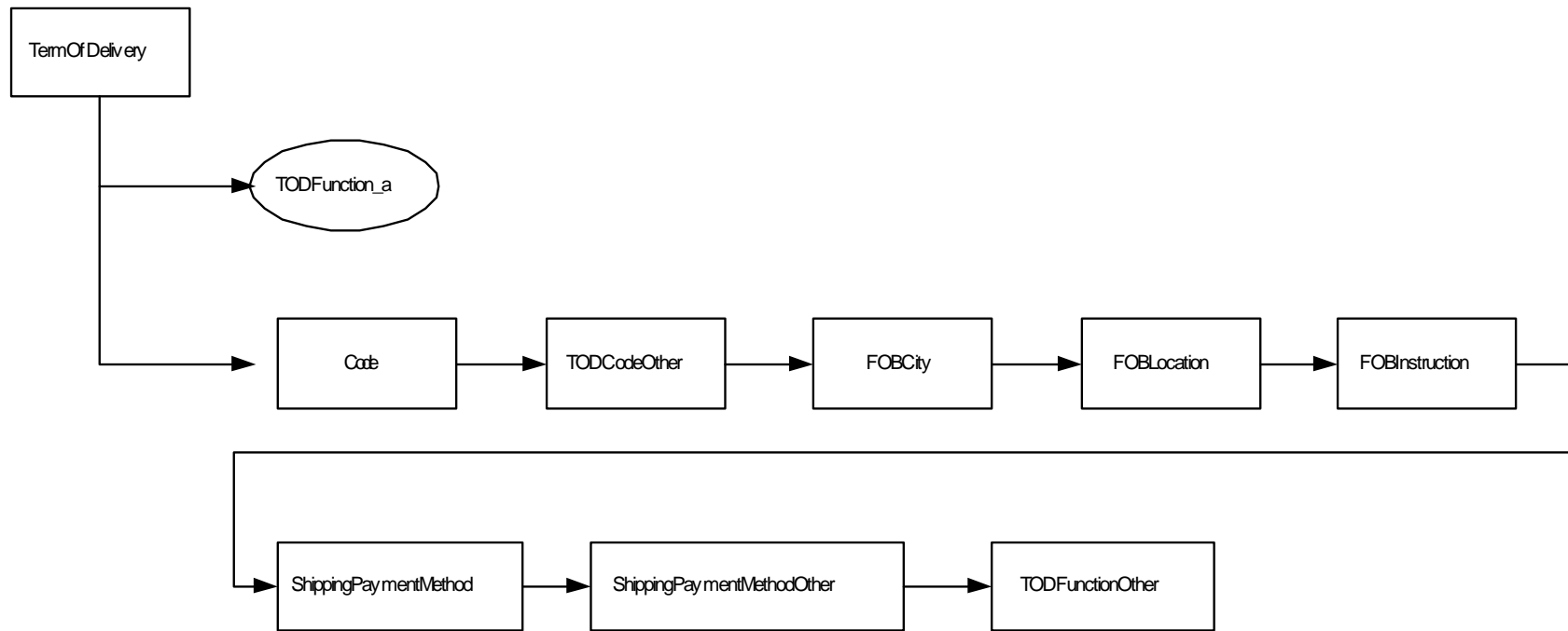
- A TODFunction_a attribute, which ???
- A Code element, which specifies the terms of delivery (ContactBeforeDelivery, CashOnDelivery, FOB, FOA, FOR, or Other).
- An optional TODCodeOther element, which describes the terms of delivery if the value of Code is Other.
- An optional FOBCity element, which specifies the city to which the goods are being delivered.
- An optional FOBLocation element, which specifies the freight on board location of the goods.
- An optional FOBInstruction element, which specifies the Freight On Board instructions.
- An optional ShippingPaymentMethod element, which specifies the method used to pay shipping charges (Collect, PrepaidChargeCust, PrepaidOnly, PrepaidBySeller, Pickup, PaidByBuyer, ThirdPartyPay, PaidBySeller, PerContract, or Other).
- An optional ShippingPaymentMethodOther element, which describes the method used to pay shipping charges if the value of ShippingPaymentMethod is Other.
- An optional TODFunctionOther element, which ???

[Source Code](#) TermOfDelivery.mod on page 1198

Examples

```
<TermOfDelivery TODFunction_a="Delivery" >  
  <Code>FOB</Code>  
  <FOBCity>San Francisco</FOBCity>  
  <FOBLocation>SFO Delta Airline Warehouse</FOBLocation>  
  <FOBInstruction>Talk to the company agent in isle 2</FOBInstruction>  
  <ShippingPaymentMethod>PrepaidBySeller</ShippingPaymentMethod>  
</TermOfDelivery>
```

Structure



Contents

TermOfDelivery

.....@TODFunction_a.....	.....TODFunction ???
.....Code.....	.....<i>TODCode</i> The terms of delivery. One of the following values: ContactBeforeDelivery, CashOnDelivery, FOB, FOA, FOR, or Other
.....TODCodeOther (optional).....	.....<i>string</i> The terms of delivery, specified if Code has a value of Other.
.....FOBCity (optional).....	.....<i>string</i> The city to which the goods are being delivered. For example, San Francisco, CA.
.....FOBLocation (optional).....	.....<i>string</i> The freight on board location of the goods. For example, SFO-Delta Airlines Warehouse.
.....FOBInstruction (optional).....	.....<i>string</i> Freight on board instructions.
.....ShippingPaymentMethod (optional).....	.....<i>ShippingPaymentMethodCode</i> The method used to pay shipping charges. one of the following values: Collect, PrepaidChargeCust, PrepaidOnly, PrepaidBySeller, Pickup, PaidByBuyer, ThirdPartyPay, PaidBySeller, PerContract, or Other.

.....ShippingPaymentMethodOther (optional).....*string* The method used to pay shipping charges, specified if the value of ShippingPaymentMethod is Other.
.....TODFunctionOther (optional).....*string* ???

Examples

TierTypeOptions

The TierTypeOptions datatype enumerates the values used to represent tiered pricing types.

[Source Code](#) PricingData.sox on page 1155

Values

The following TierTypeOptions values have been defined:

- QuantityTier
- DollarTier

TODCode

The TODCode datatype enumerates the codes used to represent various terms of delivery. These codes are based on data element 4053. For more information about terms of delivery, visit the following website:

<http://busserv/eancom97/part3/c13f.htm>

[Source Code](#) TermOfDelivery.mod on page 1198

Values

The following TODCode values have been defined:

TODCode	Description
Other	Code not included in this list but mutually agreed upon by responsible parties
ContactBeforeDelivery	01E EAN Code
CashOnDelivery	04E EAN Code
FOB	FreightOnBoard
FOA	FOB Airport
FOR	Free on Rail

TODFunction

The TODFunction datatype enumerates the codes used to represent the function served by a particular means of delivery. These codes are based on EDIFACT data element 1153, Reference Qualifier.

[Source Code](#) TermOfDelivery.mod on page 1198

Values

The following TODFunction values have been defined:

TODFunction Code	Description
Other	
Despatch	2=Condition requested by the customer under which the supplier shall deliver.
CollectedByCustomer	Customer will pick up the goods at the supplier.
Transport	5=Specifies the conditions under which the transport takes place under the responsibility of the carrier.
Delivery	6=Specifies the conditions under which the goods must be delivered to the consignee.
DeliveredBySupplier	10E=Supplier will arrange the delivery of goods.

TransitDirection

The TransitDirection datatype enumerates the codes used to represent the direction in which goods travel. These codes are based on data element 8101, Transit direction, coded. Currently, the only direction supported is SupplierToBuyer.

[Source Code](#) Transport.mod on page 1202

Values

The following TransitDirection code values have been defined:

TransitDirection Code	Description
BuyerToSupplier	BS = Buyer to supplier
SupplierToBuyer	SB = Supplier to buyer

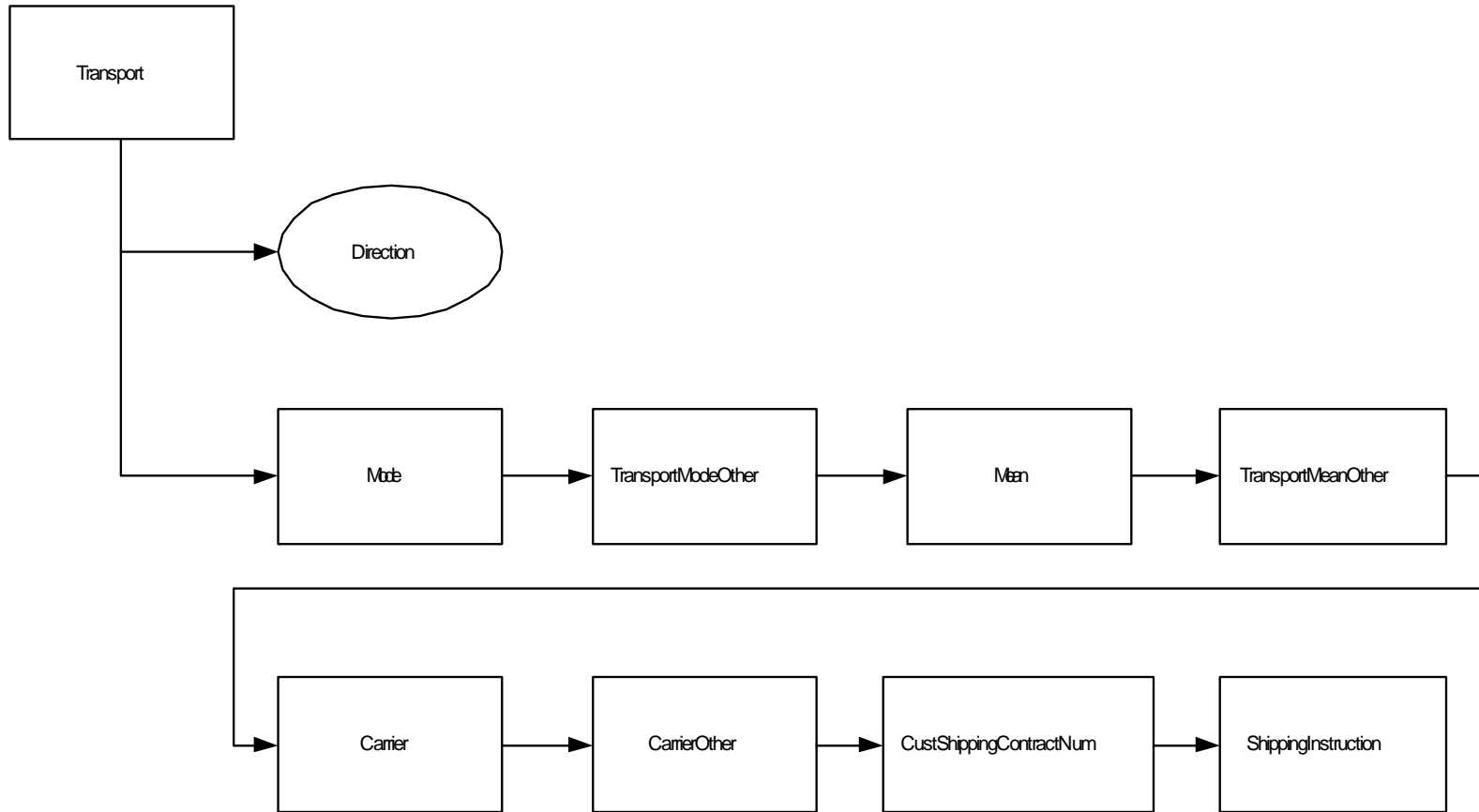
Transport

The Transport element specifies how goods are shipped. It consists of:

- A Direction attribute, which indicates whether the goods are being shipped SupplierToBuyer or BuyerToSupplier (currently not supported).
- An optional Mode element, which specifies the method (Maritime, Rail, Road, Air, mail, Courier, or Other) used to transport the goods.
- An optional TransportModeOther element, which describes the method used to transport the goods if the value of Mode is Other.
- An optional Mean element, which describes the means (Standard, Express, 2Day, 3Day, Select, NoPreference, or other) of transportation.
- An optional TransportMeanOther element, which describes the means of transportation if the value of Mean is Other.
- An optional Carrier element, which specifies the carrier name (None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other).
- An optional CarrierOther element, which specifies the carrier name if the value of Carrier is Other.
- An optional CustShippingContractNum element, which identifies the customer's shipping contract.
- An optional ShippingInstruction element, which contains shipping instructions.

[Source Code](#) Transport.mod on page 1202

Structure



Contents

Transport

.....@Direction.....*TransitDirection* The direction of the shipment. One of the following: SupplierToBuyer or BuyerToSupplier (not currently supported).

.....Mode (optional).....*TransportMode* The method used to transport the goods. One of the following values: Maritime, Road, Rail, Air, Mail, Courier, or Other.

.....TransportModeOther (optional).....	.....<i>string</i> A 1 to 70 character description of the method used to transport the goods, specified if the value of is Other.
.....Mean (optional).....	.....<i>TransportMean</i> The means of transportation. One of the following values: Standard, Express, 2Day, 3Day, Select, NoPreference, or Other.
.....TransportMeanOther (optional).....	.....<i>string</i> 1 to 70 character description of the means of transportation, specified if the value of Mean is Other.
.....Carrier (optional).....	.....<i>CarrierCode</i> The name of the carrier. One of the following values: (None, LessTruckCarrier, CommonCarrier, UPS, Fedex, DHL, Airborne, or Other
.....CarrierOther (optional).....	.....<i>string</i> The name of the carrier, specified if the value of Carrier is Other.
.....CustShippingContractNum (optional).....	.....<i>string</i> The 1 to 35 character shipping contract number.
.....ShippingInstruction (optional).....	.....<i>string</i> Brief (up to 256 characters) shipping instructions.

Examples

```

<Transport Direction="SupplierToBuyer">
  <Mode>Air</Mode>
  <Mean>Express</Mean>
  <Carrier>Fedex</Carrier>
  <CustShippingContractNum>CTOP123</CustShippingContractNum>
  <ShippingInstruction>Please handle with care</ShippingInstruction>
</Transport>

```

TransportMean

The TransportMean datatype enumerates the values used to represent various means of transportation. These values, in combination with TransportMode values, form data element 8067, Mode of Transport.

[Source Code](#) Transport.mod on page 1202

Values

The following TransportMean values have been defined:

- Other
- Standard
- Express
- 2Day
- 3Day
- BestPossible
- NoPreference

TransportModeCode

The TransportModeCode (transport mode code) is the coded representation of names of transport modes. A transport mode is the method of transport used for the carriage of goods (as defined by UN/ECE Recommendation No. 19). This code set is based on UN/EDIFACT (D.99B) 8067, transport mode name code, which specifies UN/ECE Recommendation No. 19.

The UN/EDIFACT website can be found at <http://www.unece.org/trade/untid/welcome.htm>.

[Source Code](#) TransportMode.mod on page 1206

Values

The following TransportModeCode values are defined:

Value	Description
Other	Indicates that the TransportModeCode is not defined in the code set and should be processed using additional information supplied in the referencing data structure.
NotApplicable	Indication that a mode of transport would be irrelevant, e.g. statistical reporting should not take place (for samples, gifts, personal effect, etc.).
Maritime	Provision is made for separate reporting of inland water transport under InlandWater, assuming that appropriate definitions and rules of application will be given, particularly when transport covers sea as well as inland waterways
Rail	Rail
Road	Road
Air	Air
Mail	(Active mode of transport unknown) This code is provided for practical reasons, despite the fact that mail is not a genuine mode of transport.
MultiModal	(Active mode of transport unknown) This code is provided for practical reasons, despite the fact that multimodal transport is not a genuine mode of transport.
Fixed	This code applies to installations for continuous transport such as pipelines, ropeways and electric power lines.

Value	Description
InlandWater	This code is used only in such cases where the application of waterborne transport is reported separately with in the framework of a one-digit code.
Unknown	This code can be used when the mode is not known or when information on it is not available at the time of issuing the document concerned.

TreeNameCode

The TreeNameCode datatype enumerates the codes used to describe the type of categorization tree in use.

[Source Code](#) Category.mod on page 1000

Values

The following TreeNameCode values have been defined:

Code	Description
Other	The categorization tree does not appear in this list.
SupplierTree	The Supplier's default categorization tree is being used.
BuyerTree	The Buyer's default categorization tree is being used.
UNSPSC	
NIGP	

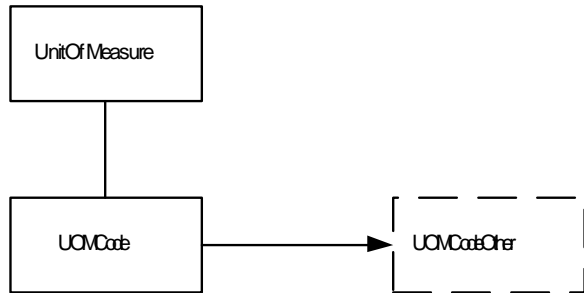
UnitOfMeasure

The UnitOfMeasure element contains a unit of measurement. It consists of:

- A UOMCode element, which contains a three-character unit of measurement code as specified by UN/ECE Recommendation 20, common code. For a list of valid values, see the UOMCode datatype. Buying applications that use ANSI codes or other proprietary codes to represent units of measurement must specify the corresponding UOMCode value instead. If a unit of measurement is not represented in the list of UOMCode values, specify a UOMCode value of "Other" and use the UOMCodeOther element to specify the unit of measurement.
- An optional UOMCodeOther element. This is used to specify units of measurement that are not represented in the list of UOMCode values.

[Source Code](#) UnitOfMeasure.mod on page 1208

Structure



Contents

UnitOfMeasure

.....UOMCode.....	<i>UOMCode</i> The standard code for the unit of measurement. For a list of valid values, see UOMCode on page 921 . If the unit of measurement is not included in this list, set UOMCode to Other and use the UOMCodeOther element to specify the actual name of the measurement.
.....UOMCodeOther.....	<i>string</i> The unit of measurement, specified if UOMCode has a value of "Other."

Examples

<UnitOfMeasure>EA</UnitOfMeasure>

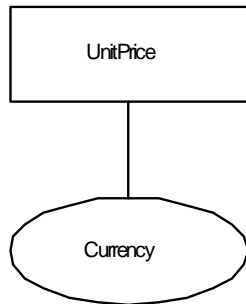
UnitPrice

The UnitPrice element contains the price for one unit of a product. In addition to the price, it consists of:

- A Currency attribute, which identifies the currency in which the price is expressed.

[Source Code](#) UnitPrice.mod on page 1210

Structure



Contents

UnitPrice.....*Decimal15_4* The price for one unit of the product.
.....@Currency.....*CurrencyCode* the ISO code for the currency in which the unit price is expressed.

Examples

<UnitPrice>00000000010.0000</UnitPrice>

UOMCode

The UOMCode datatype enumerates the two- or three-character codes that may be used to represent a unit of measurement. This code set is based on UN/CEFACT (UN/ECE) Recommendation 20, "Codes for Units of Measure Used in International Trade," 9(revised August 1995), specified by UN/EDIFACT (D.99B) element 6411, measurement unit code.

Buying applications that use ANSI UOM codes or other, proprietary codes for units of measurement, must replace these codes with the corresponding UOMCode values from the list below. For units of measurement not included in the list, the buying application should use the UOMCode of "Other" and specify the actual code value in the UOMCodeOther element.

For more information about UN/CEFACT (UN/ECE), visit their website at <http://www.unece.org/cefact/>. For more information about UN/EDIFACT, visit their website at <http://www.unece.org/trade/untidd/welcome.htm>.

Values

The following UOMCode values have been defined:

UOMCode Value	Description
Other	the code list does not contain a value to represent the unit of measurement
05	lift
06	small spray
08	heat lot
10	group
11	outfit
13	ration
14	shot
15	stick
16	hundred fifteen kg drum
17	hundred lb drum

UOMCode Value	Description
18	fiftyfive gallon (US) drum
19	tank truck
1A	car mile
1B	car count
1C	locomotive count
1D	caboose count
1E	empty car
1F	train mile
1G	fuel usage gallon (US)
1H	caboose mile
1I	fixed rate
1J	ton mile
1K	locomotive mile
1L	total car count
1M	total car mile
1X	quarter mile
20	twenty foot container
21	forty foot container
22	decilitre per gram
23	gram per cubic centimetre
24	theoretical pound
25	gram per square centimetre

UOMCode Value	Description
26	actual ton
27	theoretical ton
28	kilogram per square metre
29	pound per thousand square feet
2A	radian per second
2B	radian per second squared
2C	rontgen
2I	British thermal unit per hour
2J	cubic centimetre per second
2K	cubic foot per hour
2L	cubic foot per minute
2M	centimetre per second
2N	decibel
2P	kilobyte
2Q	kilobecquerel
2R	kilocurie
2U	megagram
2V	megagram per hour
2W	bin
2X	metre per minute
2Y	millirontgen
2Z	millivolt

UOMCode Value	Description
30	horse power day per air dry metric ton
31	catch weight
32	kilogram per air dry metric ton
33	kilopascal square metres per gram
34	kilopascals per millimetre
35	millilitres per square centimetre second
36	cubic feet per minute per square foot
37	ounce per square foot
38	ounces per square foot per 0,01 inch
3B	megajoule
3C	manmonth
3E	pound per pound of product
3G	pound per piece of product
3H	kilogram per kilogram of product
3I	kilogram per piece of product
40	millilitre per second
41	millilitre per minute
43	super bulk bag
44	fivehundred kg bulk bag
45	threehundred kg bulk bag
46	fifty lb bulk bag
47	fifty lb bag

UOMCode Value	Description
48	bulk car load
4A	bobbin
4B	cap
4C	centistokes
4E	twenty pack
4G	microlitre
4H	micrometre (micron)
4K	milliampere
4L	megabyte
4M	milligram per hour
4N	megabecquerel
4O	microfarad
4P	newton per metre
4Q	ounce inch
4R	ounce foot
4T	picofarad
4U	pound per hour
4W	ton(US) per hour
4X	kilolitre per hour
53	theoretical kilograms
54	theoretical tonne
56	sitas

UOMCode Value	Description
57	mesh
58	net kilogram
59	part per million
5A	barrel per minute
5B	batch
5C	gallon(US) per thousand
5E	MMSCF/day
5F	pounds per thousand
5G	pump
5H	stage
5I	standard cubic foot
5J	hydraulic horse power
5K	count per minute
5P	seismic level
5Q	seismic line
60	percent weight
61	part per billion (US)
62	percent per 1000 hour
63	failure rate in time
64	pound per square inch, gauge
66	oersted
69	test specific scale

UOMCode Value	Description
71	volt ampere per pound
72	watt per pound
73	ampere tum per centimetre
74	millipascal
76	gauss
77	milli-inch
78	kilogauss
80	pounds per square inch absolute
81	henry
84	kilopound per square inch
85	foot pound-force
87	pound per cubic foot
89	poise
90	Saybold universal second
91	stokes
92	calorie per cubic centimetre
93	calorie per gram
94	curl unit
95	twenty thousand gallon (US) tankcar
96	ten thousand gallon (US) tankcar
97	ten kg drum
98	fifteen kg drum

UOMCode Value	Description
A1	15 degrees C calorie
A10	ampere square metre per joule second
A11	angstrom
A12	astronomical unit
A13	attojoule
A14	barn
A15	barn per electron volt
A16	barn per steradian electron volt,
A17	barn per steradian
A18	becquerel per kilogram
A19	becquerel per metre cubed
A2	ampere per centimetre
A20	British thermal unit per second square foot degree Rankin
A21	British thermal unit per pound degree Rankin
A22	British thermal unit per second foot degree Rankin
A23	British thermal unit per hour square foot degree Rankin
A24	candela per square metre
A25	cheval vapeur
A26	coulomb metre
A27	coulomb metre squared per volt
A28	coulomb per cubic centimetre
A29	coulomb per cubic metre

UOMCode Value	Description
A3	ampere per millimetre
A30	coulomb per cubic millimetre
A31	coulomb per kilogram second
A32	coulomb per mole
A33	coulomb per square centimetre
A34	coulomb per square metre
A35	coulomb per square millimetre
A36	cubic centimetre per mole
A37	cubic decimetre per mole
A38	cubic metre per coulomb
A39	cubic metre per kilogram
A4	ampere per square centimetre
A40	cubic metre per mole
A41	ampere per square metre
A42	curie per kilogram
A43	deadweight tonnage
A44	decalitre
A45	decametre
A47	decitex
A48	degree Rankin
A49	denier
A5	ampere square metre

UOMCode Value	Description
A50	dyn second per cubic centimetre
A51	dyne second per centimetre
A52	dyne second per centimetre to the fifth
A53	electronvolt
A54	electronvolt per metre
A55	electronvolt square metre
A56	electronvolt square metre per kilogram
A57	erg
A58	erg per centimetre
A6	ampere per square metre kelvin squared
A60	erg per cubic centimetre
A61	erg per gram
A62	erg per gram second
A63	erg per second
A64	erg per second square centimetre
A65	erg per square centimetre second
A66	erg square centimetre
A67	erg square centimetre per gram
A68	exajoule
A69	farad per metre
A7	ampere per square millimetre
A70	femtojoule

UOMCode Value	Description
A71	femtometre
A73	foot per second squared
A74	foot pound-force per second
A75	freight ton
A76	gal
A77	Gaussian CGS unit of displacement
A78	Gaussian CGS unit of electric current
A79	Gaussian CGS unit of electric charge
A8	ampere second
A80	Gaussian CGS unit of electric field strength
A81	Gaussian CGS unit of electric polarization
A82	Gaussian CGS unit of electric potential
A83	Gaussian CGS unit of magnetization
A84	gigacoulomb per cubic metre
A85	gigaelectronvolt
A86	gigahertz
A87	gigaohm
A88	gigaohm metre
A89	gigapascal
A9	rate
A90	gigawatt
A91	gon

UOMCode Value	Description
A93	gram per cubic metre
A94	gram per mole
A95	gray
A96	gray per second
A97	hectopascal
A98	henry per metre
AA	ball
AB	bulk pack
ACR	acre
AD	byte
AE	ampere per metre
AH	additional minute
AI	average minute per call
AJ	cop
AK	fathom
AL	access line
AM	ampoule
AMH	ampere hour
AMP	ampere
ANN	year
AP	aluminium pound only
APZ	troy ounce or apothecaries' ounce

UOMCode Value	Description
AQ	anti-hemophilic factor (AHF) unit
AR	suppository
ARE	are
AS	assortment
ASM	alcoholic strength by mass
ASU	alcoholic strength by volume
ATM	standard atmosphere
ATT	technical atmosphere
AV	capsule
AW	powder filled vial
AY	assembly
AZ	British thermal unit per pound
B0	Btu per cubic foot
B1	barrel (US) per day
B11	joule per kilogram kelvin
B12	joule per metre
B13	joule per square metre
B14	joule per metre to the fourth power
B15	joule per mole
B16	joule per mole kelvin
B18	joule second
B2	bunk

UOMCode Value	Description
B20	joule square metre per kilogram
B21	kelvin per watt
B22	kiloampere
B23	kiloampere per square metre
B24	kiloampere per metre
B25	kilobecquerel per kilogram
B26	kilocoulomb
B27	kilocoulomb per cubic metre
B28	kilocoulomb per square metre
B29	kiloelectronvolt
B3	batting pound
B31	kilogram metre per second
B32	kilogram metre squared
B33	kilogram metre squared per second
B34	kilogram per cubic decimetre
B35	kilogram per litre
B36	thermochemical calorie per gram
B37	kilogram-force
B38	kilogram-force metre
B39	kilogram-force metre per second
B4	barrel, imperial
B40	kilogram-force per square metre

UOMCode Value	Description
B41	kilojoule per kelvin
B42	kilojoule per kilogram
B43	kilojoule per kilogram kelvin
B44	kilojoule per mole
B45	kilomole
B46	kilomole per cubic metre
B47	kilonewton
B48	kilonewton metre
B49	kiloohm
B5	billet
B50	kiloohm metre
B51	kilopond
B52	kilosecond
B53	kilosiemens
B54	kilosiemens per metre
B55	kilovolt per metre
B56	kiloweber per metre
B57	light year
B58	litre per mole
B59	lumen hour
B6	bun
B60	lumen per square metre

UOMCode Value	Description
B61	lumen per watt
B62	lumen second
B63	lux hour
B64	lux second
B65	maxwell
B66	megaampere per square metre
B67	megabecquerel per kilogram
B69	megacoulomb per cubic metre
B7	cycle
B70	megacoulomb per square metre
B71	megaelectronvolt
B72	megagram per cubic metre
B73	meganewton
B74	meganewton metre
B75	megaohm
B76	megaohm metre
B77	megasiemens per metre
B78	megavolt
B79	megavolt per metre
B8	joule per cubic metre
B81	reciprocal metre squared reciprocal second
B83	metre to the fourth power

UOMCode Value	Description
B84	microampere
B85	microbar
B86	microcoulomb
B87	microcoulomb per cubic metre
B88	microcoulomb per square metre
B89	microfarad per metre
B9	batt
B90	microhenry
B91	microhenry per metre
B92	micronewton
B93	micronewton metre
B94	microohm
B95	microohm metre
B96	micropascal
B97	microradian
B98	microsecond
B99	microsiemens
BAR	bar
BB	base box
BD	board
BE	bundle
BFT	board foot

UOMCode Value	Description
BG	bag
BH	brush
BHP	brake horse power
BIL	billion (EUR) or trillion (US)
BJ	bucket
BK	basket
BL	bale
BLD	dry barrel (US)
BLL	barrel (US) (petroleum etc.)
BO	bottle
BP	hundred board feet
BQL	becquerel
BR	bar
BT	bolt
</explain> BTU	British thermal unit</p>
BUA	bushel (US)
BUI	bushel (UK)
BW	base weight
BX	box
BZ	million BTUs
C0	call
C1	composite product pound (total weight)

UOMCode Value	Description
C10	millifarad
C11	milligal
C12	milligram per metre
C13	milligray
C14	millihenry
C15	millijoule
C16	millimetre per second
C17	millimetre squared per second
C18	millimole
C19	mole per kilogram
C2	carset
C20	millinewton
C22	millinewton per metre
C23	milliohm metre
C24	millipascal second
C25	milliradian
C26	millisecond
C27	millisiemens
C28	millisievert
C29	millitesla
C3	microvolt per metre
C30	millivolt per metre

UOMCode Value	Description
C31	milliwatt
C32	milliwatt per square metre
C33	milliweber
C34	mole
C35	mole per cubic decimetre
C36	mole per cubic metre
C38	mole per litre
C39	nanoampere
C4	carload
C40	nanocoulomb
C41	nanofarad
C42	nanofarad per metre
C43	nanohenry
C44	nanohenry per metre
C45	nanometre
C46	nanoohm metre
C47	nanosecond
C48	nanotesla
C49	nanowatt
C5	cost
C50	neper
C51	neper per second

UOMCode Value	Description
C52	picometre
C53	newton metre second
C54	newton metre squared kilogram squared
C55	newton per square metre
C56	newton per square millimetre
C57	newton second
C58	newton second per metre
C59	octave
C6	cell
C60	ohm centimetre
C61	ohm metre
C62	piece
C63	parsec
C64	pascal per kelvin
C65	pascal second
C66	pascal second per cubic metre
C67	pascal second per metre
C68	petajoule
C69	phon
C7	centipoise
C70	picoampere
C71	picocoulomb

UOMCode Value	Description
C72	picofarad per metre
C73	picohenry
C75	picowatt
C76	picowatt per square metre
C77	pound gage
C78	pound-force
C8	millicoulomb per kilogram
C80	rad
C81	radian
C82	radian meter squared per mole
C83	radian metre squared per kilogram
C84	radian per metre
C85	reciprocal angstrom
C86	reciprocal cubic metre
C87	reciprocal cubic metre per second
C88	reciprocal electron volt per cubic metre
C89	reciprocal henry
C9	coil group
C90	reciprocal joule per cubic metre
C91	reciprocal kelvin or kelvin to the power minus one
C92	reciprocal metre
C93	reciprocal square metre

UOMCode Value	Description
C94	reciprocal minute
C95	reciprocal mole
C96	reciprocal pascal or pascal to the power minus one
C97	reciprocal second
C98	reciprocal second per cubic metre
C99	reciprocal second per metre squared
CA	can
CCT	carrying capacity in metric ton
CDL	candela
CEL	degree Celsius
CEN	hundred
CG	card
CGM	centigram
CH	container
CJ	cone
CK	connector
CKG	coulomb per kilogram
CL	coil
CLF	hundred leave
CLT	centilitre
CMK	square centimetre
CMQ	cubic centimetre

UOMCode Value	Description
CMT	centimetre
CNP	hundred pack
CNT	cental (UK)
CO	carboy
COU	coulomb
CQ	cartridge
CR	crate
CS	case
CT	carton
CTM	metric carat
CU	cup
CUR	curie
CV	cover
CWA	hundred pounds (cwt)/hundred weight (US)
CWI	hundred weight (UK)
CY	cylinder
CZ	combo
D1	reciprocal second per steradian
D10	siemens per metre
D12	siemens square metre per mole
D13	sievert
D14	thousand linear yard

UOMCode Value	Description
D15	sone
D16	square centimetre per erg
D17	square centimetre per steradian erg
D18	metre kelvin
D19	square metre kelvin per watt
D2	reciprocal second per steradian metre squared
D20	square metre per joule
D21	square metre per kilogram
D22	square metre per mole
D23	pen gram (protein)
D24	square metre per steradian
D25	square metre per steradian joule
D26	square metre per volt second
D27	steradian
D28	syphon
D29	terahertz
D30	terajoule
D31	terawatt
D32	terawatt hour
D33	tesla
D34	tex
D35	thermochemical calorie

UOMCode Value	Description
D37	thermochemical calorie per gram kelvin
D38	thermochemical calorie per second centimetre kelvin
D39	thermochemical calorie per second square centimetre kelvin
D40	thousand litre
D41	tonne per cubic metre
D42	tropical year
D43	unified atomic mass unit
D44	var
D45	volt squared per kelvin squared
D46	volt - ampere
D47	volt per centimetre
D48	volt per kelvin
D49	millivolt per kelvin
D5	kilogram per square centimeter
D50	volt per metre
D51	volt per millimetre
D52	watt per kelvin
D53	watt per metre kelvin
D54	watt per square metre
D55	watt per square metre kelvin
D56	watt per square metre kelvin to the fourth power
D57	watt per steradian

UOMCode Value	Description
D58	watt per steradian square metre
D59	weber per metre
D6	rontgen per second
D60	weber per millimetre
D61	minute
D63	book
D64	block
D65	round
D66	cassette
D67	dollar per hour
D69	inch to the fourth power
D7	sandwich
D70	International Table (IT) calorie
D71	International Table (IT) calorie per second centimetre kelvin
D72	International Table (IT) calorie per second square centimetre kelvin
D73	joule square metre
D74	kilogram per mole
D75	International Table (IT) calorie per gram
D76	International Table (IT) calorie per gram kelvin
D77	megacoulomb
D79	beam
D8	draize score

UOMCode Value	Description
D80	microwatt
D81	microtesla
D82	microvolt
D83	millinewton metre
D85	microwatt per square metre
D86	millicoulomb
D87	millimole per kilogram
D88	millicoulomb per cubic metre
D89	millicoulomb per square metre
D9	dyne per square centimetre
D90	cubic metre (net)
D91	rem
D92	band
D93	second per cubic metre
D94	second per radian cubic metre
D95	joule per gram
D96	pound gross
D97	pallet/unit load
D98	mass pound
D99	sleeve
DAA	decare
DAD	ten day

UOMCode Value	Description
DAY	day
DB	dry pound
DC	disk (disc)
DD	degree
DE	deal
DEC	decade
DG	decigram
DI	dispenser
DJ	decagram
DLT	decilitre
DMK	square decimetre
DMQ	cubic decimetre
DMT	decimetre
DN	decinewton metre
DPC	dozen piece
DPR	dozen pair
DPT	displacement tonnage
DQ	data record
DR	drum
DRA	dram (US)
DRI	dram (UK)
DRL	dozen roll

UOMCode Value	Description
DRM	drachm (UK)
DS	display
DT	dry ton
DTN	decitonne
DU	dyne
DWT	pennyweight
DX	dyne per centimetre
DY	directory book
DZN	dozen
DZP	dozen pack
E2	belt
E3	trailer
E4	gross kilogram
E5	metric long ton
EA	each
EB	electronic mail box
EC	each per month
EP	eleven pack
EQ	equivalent gallon
EV	envelope
F1	thousand cubic feet per day
F9	fibre per cubic centimetre of air

UOMCode Value	Description
FAH	degree Fahrenheit
FAR	farad
FB	field
FC	thousand cubic feet
FD	million particle per cubic foot
FE	track foot
FF	hundred cubic metre
FG	transdermal patch
FH	micromole
FL	flake ton
FM	million cubic feet
FOT	foot
FP	pound per square foot
FR	foot per minute
FS	foot per second
FTK	square foot
FTQ	cubic foot
G2	US gallon per minute
G3	Imperial gallon per minute
G7	microfiche sheet
GB	gallon (US) per day
GBQ	gigabecquerel

UOMCode Value	Description
GC	gram per 100 gram
GD	gross barrel
GE	pound per gallon (US)
GF	gram per metre (gram per 100 centimetres)
GFI	gram of fissile isotope
GGR	great gross
GH	half gallon (US)
GIA	gill (US)
GII	gill (UK)
GJ	gram per millilitre
GK	gram per kilogram
GL	gram per litre
GLD	dry gallon (US)
GLI	gallon (UK)
GLL	gallon (US)
GM	gram per square metre
GN	gross gallon
GO	milligrams per square metre
GP	milligram per cubic metre
GQ	microgram per cubic meter
GRM	gram
GRN	grain

UOMCode Value	Description
GRO	gross
GRT	gross register ton
GT	gross ton
GV	gigajoule
GW	gallon per thousand cubic feet
GWH	gigawatt hour
GY	gross yard
GZ	gage system
H1	half page - electronic
H2	half litre
HA	hank
HAR	hectare
HBA	hectobar
HBX	hundred boxe
HC	hundred count
HD	half dozen
HE	hundredth of a carat
HF	hundred feet
HGM	hectogram
HH	hundred cubic feet
HI	hundred sheet
HIU	hundred international unit

UOMCode Value	Description
HJ	metric horse power
HK	hundred kilogram
HL	hundred feet (linear)
HLT	hectolitre
HM	mile per hour
HMQ	million cubic metre
HMT	hectometre
HN	conventional millimetre of mercury
HO	hundred troy ounce
HP	conventional millimetre of water
HPA	hectolitre of pure alcohol
HS	hundred square feet
HT	half hour
HTZ	hertz
HUR	hour
HY	hundred yard
IA	inch pound (pound inch)
IC	count per inch
IE	person
IF	inches of water
II	column inch
IL	inch per minute

UOMCode Value	Description
IM	impression
INH	inch
INK	square inch
INQ	cubic inch
IP	insurance policy
IT	count per centimetre
IU	inch per second
IV	inch per second squared
J2	joule per kilogram
JB	jumbo
JE	joule per kelvin
JG	jug
JK	megajoule per kilogram
JM	megajoule per cubic metre
JO	joint
JOU	joule
JR	jar
K1	kilowatt demand
K2	kilovolt ampere reactive demand
K3	kilovolt ampere reactive hour
K5	kilovolt ampere (reactive)
K6	kilolitre

UOMCode Value	Description
KA	cake
KB	kilocharacter
KBA	kilobar
KD	kilogram decimal
KEL	kelvin
KF	kilopacket
KG	keg
KGM	kilogram
KGS	kilogram per second
KHZ	kilohertz
KI	kilogram per millimetre width
KJ	kilosegment
KJO	kilojoule
KL	kilogram per metre
KMH	kilometre per hour
KMK	square kilometre
KMQ	kilogram per cubic metre
KNI	kilogram of nitrogen
KNS	kilogram named substance
KNT	knot
KO	milliequivalence caustic potash per gram of product
KPA	kilopascal

UOMCode Value	Description
KPH	kilogram of potassium hydroxide (caustic potash)
KPO	kilogram of potassium oxide
KPP	kilogram of phosphorus pentoxide (phosphoric anhydride)
KR	kilorontgen
KS	thousand pound per square inch
KSD	kilogram of substance 90 % dry
KSH	kilogram of sodium hydroxide (caustic soda)
KT	kit
KTM	kilometre
KTN	kilotonne
KUR	kilogram of uranium
KVA	kilovolt - ampere
KVR	kilovar
KVT	kilovolt
KW	kilograms per millimeter
KWH	kilowatt hour
KWT	kilowatt
KX	millilitre per kilogram
L2	litre per minute
LA	pound per cubic inch
LBR	pound
LBT	troy pound (US)

UOMCode Value	Description
LC	linear centimetre
LD	litre per day
LE	lite
LEF	leaf
LF	linear foot
LH	labour hour
LI	linear inch
LJ	large spray
LK	link
LM	linear metre
LN	length
LO	lot
LP	liquid pound
LPA	litre of pure alcohol
LR	layer
LS	lump sum
LTN	ton (UK) or longton (US)
LTR	litre
LUM	lumen
LUX	lux
LX	linear yard per pound
LY	linear yard

UOMCode Value	Description
M0	magnetic tape
M1	milligrams per litre
M4	monetary value
M5	microcurie
M7	micro-inch
M9	million Btu per 1000 cubic feet
MA	machine per unit
MAL	mega litre
MAM	megametre
MAW	megawatt
MBE	thousand standard brick equivalent
MBF	thousand board feet
MBR	millibar
MC	microgram
MCU	millicurie
MD	air dry metric ton
MF	milligram per square foot per side
MGM	milligram
MHZ	megahertz
MIK	square mile
MIL	thousand
MIN	minute

UOMCode Value	Description
MIO	million
MIU	million international unit
MK	milligram per square inch
MLD	milliard or billion (US)
MLT	millilitre
MMK	square millimetre
MMQ	cubic millimetre
MMT	millimetre
MON	month
MPA	megapascal
MQ	thousand metre
MQH	cubic metre per hour
MQS	cubic metre per second
MSK	metre per second squared
MT	mat
MTK	square metre
MTQ	cubic metre
MTR	metre
MTS	metre per second
MV	number of mults
MVA	megavolt - ampere
MWH	megawatt hour (1000 kW.h)

UOMCode Value	Description
N1	pen calorie
N2	number of lines
N3	print point
NA	milligram per kilogram
NAR	number of articles
NB	barge
NBB	number of bobbins
NC	car
NCL	number of cells
ND	net barrel
NE	net litre
NEW	newton
NF	message
NG	net gallon (us)
NH	message hour
NI	net imperial gallon
NIU	number of international units
NJ	number of screens
NL	load
NMI	nautical mile
NMP	number of packs
NN	train

UOMCode Value	Description
NPL	number of parcels
NPR	number of pairs
NPT	number of parts
NQ	mho
NR	micromho
NRL	number of rolls
NT	net ton
NTT	net register ton
NU	newton metre
NV	vehicle
NX	part per thousand
NY	pound per air dry metric ton
OA	panel
OHM	ohm
ON	ounce per square yard
ONZ	ounce
OP	two pack
OT	overtime hour
OZ	ounce av
OZA	fluid ounce (US)
OZI	fluid ounce (UK)
P0	page - electronic

UOMCode Value	Description
P1	percent
P2	pound per foot
P3	three pack
P4	four pack
P5	five pack
P6	six pack
P7	seven pack
P8	eight pack
P9	nine pack
PA	packet
PAL	pascal
PB	pair inch
PD	pad
PE	pound equivalent
PF	pallet (lift)
PG	plate
PGL	proof gallon
PI	pitch
PK	package
PL	pail
PM	pound percentage
PN	pound net

UOMCode Value	Description
PO	pound per inch of length
PQ	page per inch
PR	pair
PS	pound-force per square inch
PT	pint (US)
PTD	dry pint (US)
PTI	pint (UK)
PTL	liquid pint (US)
PU	tray / tray pack
PV	half pint (US)
PW	pound per inch of width
PY	peck dry (US)
PZ	peck dry (UK)
Q3	meal
QA	page - facsimile
QAN	quarter (of a year)
QB	page - hardcopy
QD	quarter dozen
QH	quarter hour
QK	quarter kilogram
QR	quire
QT	quart (US)

UOMCode Value	Description
QTD	dry quart (US)
QTI	quart (UK)
QTL	liquid quart (US)
QTR	quarter (UK)
R1	pica
R4	calorie
R9	thousand cubic metre
RA	rack
RD	rod
RG	ring
RH	running or operating hour
RK	roll metric measure
RL	reel
RM	ream
RN	ream metric measure
RO	roll
RP	pound per ream
RPM	revolutions per minute
RPS	revolutions per second
RS	reset
RT	revenue ton mile
RU	run

UOMCode Value	Description
S3	square foot per second
S4	square metre per second
S5	sixty fourths of an inch
S6	session
S7	storage unit
S8	standard advertising unit
SA	sack
SAN	half year (6 months)
SCO	score
SCR	scruple
SD	solid pound
SE	section
SEC	second
SET	set
SG	segment
SHT	shipping ton
SIE	siemens
SK	split tanktruck
SL	slipsheet
SMI	mile (statute mile)
SN	square rod
SO	spool

UOMCode Value	Description
SP	shelf package
SQ	square
SR	strip
SS	sheet metric measure
SST	short standard
ST	sheet
STI	stone (UK)
STN	ton (US) or short ton (UK/US)
SV	skid
SW	skein
SX	shipment
T0	telecommunication line in service
T1	thousand pound gross
T3	thousand piece
T4	thousand bag
T5	thousand casing
T6	thousand gallon (US)
T7	thousand impression
T8	thousand linear inch
TA	tenth cubic foot
TAH	kiloampere hour (thousand ampere hour)
TC	truckload

UOMCode Value	Description
TD	therm
TE	tote
TF	ten square yard
TI	thousand square inch
TJ	thousand square centimetre
TK	tank, rectangular
TL	thousand feet (linear)
TN	tin
TNE	metric ton
TP	ten pack
TPR	ten pair
TQ	thousand feet
TQD	thousand cubic metre per day
TR	ten square feet
TRL	trillion (EUR)
TS	thousand square feet
TSD	tonne of substance 90 % dry
TSH	ton of steam per hour
TT	thousand linear metre
TU	tube
TV	thousand kilogram
TW	thousand sheet

UOMCode Value	Description
TY	tank, cylindrical
U1	treatment
U2	tablet
UA	torr
UB	telecommunication line in service average
UC	telecommunication port
UD	tenth minute
UE	tenth hour
UF	usage per telecommunication line average
UH	ten thousand yard
UM	million unit
VA	volt ampere per kilogram
VI	vial
VLT	volt
VQ	bulk
VS	visit
W2	wet kilo
W4	two week
WA	watt per kilogram
WB	wet pound
WCD	cord
WE	wet ton

UOMCode Value	Description
WEB	weber
WEE	week
WG	wine gallon
WH	wheel
WHR	watt hour
WI	weight per square inch
WM	working month
WR	wrap
WSD	standard
WTT	watt
WW	millilitre of water
X1	chain
YDK	square yard
YDQ	cubic yard
YL	hundred linear yard
YRD	yard
YT	ten yard
Z1	lift van
Z2	chest
Z3	cask
Z4	hogshead
Z5	lug

UOMCode Value	Description
Z6	conference point
Z8	newspage agate line
ZP	page
ZZ	mutually defined

[Source Code](#) UOMCode.mod on page 1211

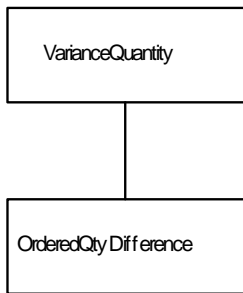
VarianceQuantity

The VarianceQuantity element describes the difference between the quantity of an item that was invoiced and the quantity that was ordered or shipped. It consists of:

- An OrderedQtyDifference element, which contains the difference between the quantities.

[Source Code](#) VarianceQuantity.mod on page 1241

Structure



Contents

VarianceQuantity
.....OrderedQtyDifference.....*Decimal15_3* The difference between the invoiced quantity and the quantity that was ordered.

Examples

```
<VarianceQuantity>  
  <OrderedQtyDifference>-10.000</OrderedQtyDifference>  
</VarianceQuantity>
```

Source Code

This chapter contains program listings for the following Common Business Library source files:

Agency.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Agency</h1>

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    <p>Specify an Agency. This may be picked from a list, or
    specified as a <code>String</code> if the Agency is not in the list.</p>
    <p>An Agency, specified with <code>AgencyID</code>, is chosen from
    a list of standard Agencies, expressed as an <code>AgencyCode</code>.
    If the <code>AgencyID</code> is <code>Other</code> (or not provided),
    the Agency may be specified as a <code>string</code>. </p>
    <p>In typical use, it is referenced in a document definition as:</p>
    <p><code>&lt;element type="Agency"&gt;</code></p>
    <p>If the Agency can be chosen from a standard list of agencies,
    the XML instance will look like:</p>
    <p><code>&lt;Agency AgencyID="CommerceOne" /&gt;</code></p>
    <p>If the Agency is non-standard, the XML will look like this:</p>
    <p><code>&lt;Agency AgencyOther="My Agency" /&gt;</code></p>
  </intro>

  <elementtype name="Agency">
    <empty/>
    <attdef datatype="AgencyCode" name="AgencyID">
      </attdef><attdef datatype="string" name="AgencyOther">
    </attdef>
```

</elementtype>

</schema>

AgencyCode.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Agency Code</h1>

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    <p>List of standard agencies. This is derived from EDI code list
    3055.</p>
  </intro>

  <datatype name="AgencyCode">
    <explain>
      <p>EDIFACT Data Element 3055. Code list responsible agency,
      coded</p>
    </explain>
    <enumeration datatype="NMTOKEN">
      <explain><p>Other agency</p></explain>
      <option>Other</option>
      <option>CommerceOne</option>
      <explain><p>5 ISO (Intl Org for Standardization)</p></explain>
      <option>ISO</option>
      <explain><p>9 EAN Intl Article Num Assoc</p></explain>
      <option>EAN</option>
      <explain><p>91 supplier or supplier agent</p></explain>
      <option>AssignedBySupplier</option>
      <explain><p>92 buyer or buyer's agent</p></explain>
    </enumeration>
  </datatype>
</schema>
```



```
        <option>AssignedByBuyer</option>
    <explain><p>116 US, ANSI ASC X12</p></explain>
    <option>ANSI</option>
    <explain><p>136 GB, Article Num Assoc (UK) Limited</p></explain>
    <option>GBABA</option>
</enumeration>
</datatype>
</schema>
```

AllowOrCharge.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Allow Or Charge</h1>

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    <p>An <code>AllowOrCharge</code> is a credit or fee to be applied
    based on some criteria.</p>
    <ol>
      <lh>The criteria may be based on the following:</lh>
      <li>An optional date range.</li>
      <li>A quantity or monetary amount range.</li>
    </ol>
    <p>The <code>AllowOrCharge</code> may be a quantity (e.g. one
    gallon free if five gallons or more are purchased), a percentage,
    a monetary amount, or a tax.</p>
    <p>In normal usage, there may be many <code>AllowOrCharge</code>
    associated with a product. The <code>SeqNo</code> field determines
    the order in which these are applied.</p>
  </intro>

  <elementtype name="AllowOrCharge">
    <explain>
      <p><code>IsCharge</code> is true if this describes a charge,
      false if it describes an allowance.</p>
      <p><code>Basis</code> is the basis for this allowance or charge
```

(quantity, percentage, monetary amount, or tax.)</p><p><code>SeqNo</code> is the calculation sequence indicator and is used when multiple allowances and/or charges are applicable. If various allowances and/or charges percentages, quantities, monetary amounts or rates are applicable to the same base price, then the calculation sequence indicator will always equal one. If the various allowances and/or charges are applied against a fluctuating price (constantly changing because of the application of other allowances and/or charges) then the sequence of calculation is indicated using this data element. Note that several allowances or charges may have the same sequence number, indicating they are applied to the same quantity.</p><p><code>Desc</code> is a description of what the allowance or charge is for.</p><p><code>StartDate</code> is the first date that this price applies. If not specified, it defaults to a date in the distant future.</p><p><code>LastDate</code> is the last date that this price applies. If not specified, it defaults to a date in the distant future.</p><p>Choice of <code>QuantityRange</code> or <code>MoneyRange</code> - The quantity or dollar amount for which this allowance or charge applies. If not specified, this allowance or charge applies to all quantities.</p><code>QuantityRange</code> is the quantity of this product that is required for this allowance or charge to apply.<code>MoneyRange</code> is the money value of this product that is required for this allowance or charge to apply.<p>Choice of <code>Quantity</code>, <code>Money</code>, <code>Decimal10_4</code>, or <code>Tax</code> - This allowance or charge may be for a quantity, a money amount, a percentage, or a tax amount.</p><code>Quantity</code> - If the basis is Quantity, the quantity value.<code>Money</code> - If the basis is Money, the money value.<code>Decimal10_4</code> - If the basis is a Percent, the

```

        percentage value.</li>
        <li><code>Tax</code> - If the basis is Tax, the Tax value.</li>
    </ul>
</explain>
<model>
    <sequence>
        <element type="boolean" name="IsCharge"/>
        <element type="AllowOrChgBasis" name="Basis"/>
        <element type="int" name="SeqNo"/>
        <element type="AllowOrChgDesc" name="Desc"/>
        <element type="date" name="StartDate" occurs="?"/>
        <element type="date" name="EndDate" occurs="?"/>
        <choice occurs="?">
            <element type="QuantityRange"/>
            <element type="MoneyRange"/>
        </choice>
        <choice>
            <element type="Quantity" occurs="?"/>
            <element type="Money" occurs="?"/>
            <element type="Decimal10_4" name="Percent" occurs="?"/>
            <element type="Tax" occurs="?"/>
        </choice>
    </sequence>
</model>
</elementtype>

<datatype name="AllowOrChgBasis">
    <explain>
        <p>The basis for an allowance or charge.</p>
    </explain>
    <enumeration datatype="NMTOKEN">
        <option>None</option>
        <option>Quantity</option>
        <option>Percent</option>
        <option>Money</option>
        <option>Tax</option>
    </enumeration>
</datatype>

```

```
<elementtype name="ListOfAllowOrCharge">
  <explain>
    <p>A container for a list of one or more AllowOrCharge</p>
  </explain>
  <model>
    <element type="AllowOrCharge" occurs="+"/>
  </model>
</elementtype>
</schema>
```

AllowOrChgDesc.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Allow Or Charge Description</h1>

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    <p>An <code>AllowOrChgDesc</code> explains an allowance or
    charge.</p>
  </intro>

  <elementtype name="AllowOrChgDesc">
    <explain>
      <p><code>RefID</code> - A code number known to the supplier that
      identifies the charge or allowance.</p>
      <p><code>ListOfDescription</code> - A Description of the
      reference or charge. This may be specified in multiple languages,
      but only once per language.</p>
      <p><code>ServiceCode</code> - The type of the item being referred
      to.</p>
    </explain>
    <model>
      <sequence>
        <element type="string" name="RefID" occurs="?" />
        <element type="ListOfDescription" occurs="?" />
        <element type="AllowOrChgServCode" name="ServiceCode" />
      </sequence>
    </model>
  </elementtype>
</schema>
```

```
        </model>
    </elementtype>

    <datatype name="AllowOrChgServCode">
        <explain>
            <p>A code for the service being charged for. This is derived
            from EANCOM code list 7161</p>
        </explain>
        <enumeration datatype="NMTOKEN">
            <option>None</option>
            <option>PickUp</option>
            <option>COD</option>
            <option>Handling</option>
        </enumeration>
    </datatype>

</schema>
```

Attachment.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Attachment</h1>

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    <p>Occasionally some attachments needed to be transported between
    two trading partners, such as Design for a special ordered item,
    etc.</p>
  </intro>

  <elementtype name="Attachment">
    <explain>
      <p><code>Purpose</code> - the purpose or type of the attachment,
      e.g.: Blueprint, Schema, Design, etc.
      Recommended length: AlphaNum70</p>
      <p><code>FileName</code> - the suggested storage file name
      e.g.: <tt>Pleasantdome.doc</tt>
      Recommended length: AlphaNum70</p>
      <p><code>Title</code> - Title of the attachment,
      e.g.: <i>Pleasantdome Blue Print</i>
      Recommended length: AlphaNum70 </p>
      <p><code>Language</code> - Language of the Purpose and Title</p>
    </explain>
    <model>
      <sequence>
```



```
        <element type="string" name="Purpose"/>
        <element type="string" name="FileName" occurs="?" />
        <element type="string" name="Title" occurs="?" />
        <element type="LangCode" name="Language" occurs="?" />
    </sequence>
</model>
<attdef datatype="URI" name="Attachment"><required/></attdef>
</elementtype>

<elementtype name="ListOfAttachment">
    <explain>
        <p>A container for a list of one or more Attachments</p>
    </explain>
<model>
    <element type="Attachment" occurs="+" />
</model>
</elementtype>

</schema>
```

AvailabilityCheckHeader.sox

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Availability Check Header</h1>

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    <p><code>AvailabilityCheckHeader</code> - header file used for <code>Availability
    Checks</code></p>
  </intro>

  <elementtype name="AvailabilityCheckHeader">
    <explain>
      <p><code>SupplierID</code> - The supplier of the <code>PartKeys</code> to
      be quoted</p>
      <p><code>AccountCode</code> - The buyer account code</p>
      <p><code>AvailabilityShipToParty</code> - Availability may be
      determined by the ship to destination</p>
    </explain>
    <model>
      <sequence>
        <element type="Reference" name="SupplierID"/>
        <element type="Reference" name="AccountCode"/>
        <element type="Party" name="AvailabilityShipToParty" occurs="?"/>
      </sequence>
    </model>
  </elementtype>
```

</schema>

AvailabilityCheckRequest.sox

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Availability Check Request</h1>

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    <p><code>AvailabilityCheck</code> returns the available quantity
    for a list of order items, under a single account, offered by a
    single supplier.</p>
  </intro>

  <elementtype name="AvailabilityCheckRequest">
    <explain>
      <p><code>ListOfBaseItemDetail</code> - A list of order items:
      <code>PartKey</code>, <code>quote date</code>, <code>quantity</code>. The ordering of
      items returned is guaranteed to match the ordering of items in the
      <code>AvailabilityCheckRequest</code>.</p>
    </explain>
    <model>
      <sequence>
        <element type="AvailabilityCheckHeader"/>
        <element type="ListOfBaseItemDetail" occurs="?" />
      </sequence>
    </model>
  </elementtype>
```

</schema>

AvailabilityCheckResult.sox

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Availability Result Item</h1>

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    <p><code>AvailabilityCheckResult</code> is the response to
    <code>AvailabilityCheck</code>. Returns the available quantity for
    a list of order items, under a single account, offered by a single
    supplier.</p>
  </intro>

  <elementtype name="AvailabilityResultItem">
    <explain>
      <p><code>QuotedItem</code> - An item: <code>NaturalKey</code>, quantity</p>
      <p><code>AvailableQuantity</code> - the resulting quantity</p>
      <p><code>AvailabilityErrorInfo</code> - if filled then there
      is a business error</p>
    </explain>
    <model>
      <sequence>
        <element type="BaseItemDetail" name="QuotedItem"/>
        <element type="Quantity" name="AvailableQuantity"/>
        <element type="ErrorInfo" name="AvailabilityErrorInfo" occurs="?"/>
      </sequence>
    </model>
  </elementtype>
</schema>
```

```

</elementtype>

<elementtype name="ListOfAvailabilityResultItem">
  <explain>
    <p>container for <code>AvailabilityResultItem</code></p>
  </explain>
  <model>
    <element type="AvailabilityResultItem" occurs="+"/>
  </model>
</elementtype>

<elementtype name="AvailabilityCheckResult">
  <explain>
    <p><code>ListOfAvailabilityResultItem</code> - The available
    quantity for all order items. The ordering of items returned
    is guaranteed to match the ordering of items in the
    <code>AvailabilityCheckRequest</code>.</p>
  </explain>
  <model>
    <sequence>
      <element type="AvailabilityCheckHeader"/>
      <element type="ListOfAvailabilityResultItem" occurs="?"/>
      <element type="AvailabilityCheckSummary"/>
    </sequence>
  </model>
</elementtype>

</schema>

```

AvailabilityCheckSummary.sox

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Availability Check Summary</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    Library Version 2.0 subject to the terms and conditions specified
    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p><code>AvailabilityCheckSummary</code> - summary file used for
    Availability Checks</p>
  </intro>

  <elementtype name="AvailabilityCheckSummary">
    <explain>
      <p><code>AvailabilityItemErrors</code> - The number of documents
      included in the result that contain errors. 0 = no errors</p>
      <p><code>SummaryErrorInfo</code> - if filled then there is an
      error</p>
    </explain>
    <model>
      <sequence>
        <element type="int" name="AvailabilityItemErrors"/>
        <element type="ErrorInfo" name="SummaryErrorInfo" occurs="?" />
      </sequence>
    </model>
  </elementtype>

</schema>
```


BaseItemDetail.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Base Item Detail</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p><code>Shared Item Detail</code> - contains the common line item detail
    elements shared by all of the order and line processing services.</p>
  </intro>

  <elementtype name="BaseItemDetail">
    <explain>
      <p><code>SupplierPartNum</code> - part number information.
      <code>SupplierPartNum</code> is required for Market Site</p>
      <p><code>Quantity</code> - Quantity of this item</p>
      <p><code>MaxBackOrderQuantity</code> - The maximum back order
      quantity for this item. The value can be 0 (which means buyer
      is not willing to backorder any portion of the item) to
      <code>OrderedQuantity</code> (which means supplier can backorder
      the whole quantity of the item if needed). Non zero maximum
      backorder quantity only makes sense if the
      <code>FulfillWholeOrder</code> flag is false in the header
      level.</p>
      <p><code>FinalRecipient</code> - The person who will receive
      the item</p>
      <p><code>OffCatalogFlag</code> - Commerce One-specific flag
```

```

        indicating that the item is not in the catalog</p>
</explain>
<model>
  <sequence>
    <element type="int" name="LineItemNum"/>
    <element type="int" name="SubLineItemNum" occurs="?" />
    <element type="PartNum" name="SupplierPartNum"/>
    <element type="PartNum" name="BuyerPartNum" occurs="?" />
    <element type="PartNum" name="ManufacturerPartNum" occurs="?" />
    <element type="string" name="CommodityCode" occurs="?" />
    <element type="string" name="ItemDescription" occurs="?" />
    <element type="Quantity" occurs="?" />
    <element type="Quantity" name="MaxBackOrderQuantity" occurs="?" />
    <element type="Party" name="FinalRecipient" occurs="?" />
    <element type="Transport" occurs="?" />
    <element type="boolean" name="OffCatalogFlag" occurs="?" />
  </sequence>
</model>
</elementtype>

<elementtype name="ListOfBaseItemDetail">
  <explain>
    <p>container for <code>BaseItemDetail</code></p>
  </explain>
  <model>
    <element type="BaseItemDetail" occurs="+" />
  </model>
</elementtype>

</schema>

```

BasicTypes.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Basic Types</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p>This file defines standard EDIFACT datatypes.</p>
    <p>A <code>AlphaNumX</code> is intended to hold alphanumeric
    content with maximum length of X characters</p>
  </intro>

  <datatype name="AlphaNum3">
    <varchar maxlength="3"/>
  </datatype>

  <datatype name="AlphaNum6">
    <varchar maxlength="6"/>
  </datatype>

  <datatype name="AlphaNum9">
    <varchar maxlength="9"/>
  </datatype>

  <datatype name="AlphaNum14">
    <varchar maxlength="14"/>
  </datatype>
```

```

<datatype name="AlphaNum17">
  <varchar maxlength="17"/>
</datatype>

<datatype name="AlphaNum20">
  <varchar maxlength="20"/>
</datatype>

<datatype name="AlphaNum35">
  <varchar maxlength="35"/>
</datatype>

<datatype name="AlphaNum70">
  <varchar maxlength="35"/>
</datatype>

<datatype name="AlphaNum256">
  <explain>
    <p>Used for free-form notes</p>
  </explain>
  <varchar maxlength="256"/>
</datatype>

<datatype name="AlphaNum512">
  <varchar maxlength="35"/>
</datatype>

<datatype name="Decimal2_0">
  <explain>
    <p>numeric datatypes</p>
  </explain>
  <scalar datatype="number" digits="2" decimals="0"/>
</datatype>

<datatype name="Decimal6_0">
  <scalar datatype="number" digits="6" decimals="0"/>
</datatype>

```

```

<datatype name="Decimal15_3">
  <explain>
    <p>A <code>Decimal15_3</code> double is intended to hold a
    decimal double double with up to 15 digits of precision,
    including up to 12 digits to the left of the decimal sign
    and 3 digits to the right.</p>
  </explain>
  <scalar datatype="number" digits="12" decimals="3"/>
</datatype>

<datatype name="Decimal15_4">
  <scalar datatype="number" digits="11" decimals="4"/>
</datatype>

<datatype name="Decimal18_3">
  <explain>
    <p>A <code>Decimal18_3</code> double is intended to hold a
    decimal double double with up to 18 digits of precision,
    including up to 15 digits to the left of the decimal sign
    and 3 digits to the right.</p>
  </explain>
  <scalar datatype="number" digits="15" decimals="3"/>
</datatype>

<datatype name="Decimal8_2">
  <explain>
    <p>A <code>Decimal8_2</code> double is intended to hold a
    decimal double double with up to 8 digits of precision,
    including up to 6 digits to the left of the decimal sign
    and 2 digits to the right.</p>
  </explain>
  <scalar datatype="number" digits="6" decimals="2"/>
</datatype>

<datatype name="Decimal10_4">
  <explain>
    <p>A <code>Decimal8_2</code> double is intended to hold a
    decimal double double with up to 8 digits of precision,
    including up to 6 digits to the left of the decimal sign

```

```
        and 2 digits to the right.</p>
    </explain>
    <scalar datatype="number" digits="6" decimals="4"/>
</datatype>

<datatype name="PosInt_6">
    <explain>
        <p>A <code>PosInt_6</code> double is intended to hold an
        positive integer comprised of upto 6 base 10 characters</p>
    </explain>
    <scalar datatype="int" digits="6" decimals="0" minvalue="0"/>
</datatype>

</schema>
```

CatalogDelete.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Catalog Delete</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    <p><code>CatalogDelete</code> specifies that a product should be
    deleted from a price or product catalog.</p>
  </intro>

  <elementtype name="CatalogDelete">
    <explain>
      <p><code>PartNum</code> - The part number that uniquely
      identifies this product.</p>
      <p><code>EffectiveDate</code> - The date on which the part
      should be deleted from the catalog.</p>
    </explain>
    <model>
      <sequence>
        <element type="PartNum"/>
        <element type="date" name="EffectiveDate" occurs="?"/>
      </sequence>
    </model>
  </elementtype>
</schema>
```

Category.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Category</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    <p>A <code>CategoryID</code> identifies a category in a category
    tree. Parts are often classified by category trees. (For example,
    Office Supplies may be at the root of the tree, with Paper,
    Writing Implements, and Desk Accessories on the next level
    of the tree.)</p>
    <p>Each tree has a <code>TreeName</code>. Each node in a tree has
    a <code>CategoryID</code> that is unique within the tree.</p>
    <p>The categorization tree itself is not defined here.</p>
  </intro>

  <elementtype name="Category">
    <explain>
      <p><code>CategoryID</code> - The ID of the category. Every node
      in the <code>Category</code> has an ID that is unique (within
      that tree).</p>
      <p><code>TreeName</code> - The coded name of the Tree. This can
      be the name of a standard coding scheme, like <code>UNSPSC</code>. It can also
      be the Supplier's default proprietary tree
      (<code>SupplierTree</code>), or the Buyer's default proprietary
      tree (<code>BuyerTree</code>). If one of these default trees is
```



```

specified, no <code>Agency</code> is required.</p>
<p><code>TreeNameOther</code> - If <code>TreeName</code> is
<code>Other</code> or not supplied, the name of the tree. If no
<code>TreeName</code> is supplied and <code>Agency</code> is
<code>AssignedBySupplier</code> or <code>AssignedByBuyer</code>,
this is assumed to be the Supplier or Buyer's default
categorization tree.</p>
<p><code>Agency</code> - The <code>Agency</code> responsible for
the <code>TreeName</code>. It is customary to specify this if
<code>TreeName</code> is <code>Other</code>.</p>
</explain>
<model>
  <sequence>
    <element type="string" name="CategoryID"/>
    <element type="TreeNameCode" name="TreeName"/>
    <element type="string" name="TreeNameOther" occurs="?"/>
    <element type="Agency" occurs="?"/>
  </sequence>
</model>
</elementtype>

<datatype name="TreeNameCode">
  <enumeration datatype="NMTOKEN">
    <option>Other</option>
    <explain><p><code>SupplierTree</code> indicates that the
Supplier's default categorization tree is being used. This
is useful for suppliers that have their own categorization
tree.</p></explain>
    <option>SupplierTree</option>
    <explain><p><code>BuyerTree</code> indicates that the Buyer's
default categorization tree is being used. This is useful
for buyers that have their own categorization tree.</p></explain>
    <option>BuyerTree</option>
    <option>UNSPSC</option>
    <option>NIGP</option>
  </enumeration>
</datatype>

<elementtype name="ListOfCategory">

```

```
<explain>
  <p>A container for a list of one or more <code>Category</code></p>
</explain>
<model>
  <element type="Category" occurs="+"/>
</model>
</elementtype>

</schema>
```

CatHdrRef.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Catalog Hdr Reference</h1>

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    <p><code>CatHdrRef</code> provides a list of References to other
    documents associated with a Product Catalog or a Pricing Catalog.</p>
  </intro>

  <elementtype name="CatHdrRef">
    <explain>
      <p><code>CustRefNum</code> - A Reference Number assigned by the
      customer in a transaction.</p>
      <p><code>ContractNum</code> - A Reference Number for a relevant
      contract.</p>
      <p><code>ProdCat</code> - A Reference Number for an existing
      <code>ProductCatalog</code></p>
      <p><code>PriceCat</code> - A Reference Number for a related
      <code>PriceCat</code></p>
      <p><code>ProdInqNum</code> - A Reference to a Product Inquiry
      Number</p>
      <p><code>ListOfReferenceCoded</code> - Other references. Each of
      these contains a Reference Code to explain the meaning of the
      Reference.</p>
    </explain>
  </elementtype>
</schema>
```

```
<model>
  <sequence>
    <element type="Reference" name="CustRefNum" occurs="?" />
    <element type="Reference" name="ContractNum" occurs="?" />
    <element type="Reference" name="ProdCat" occurs="?" />
    <element type="Reference" name="PriceCat" occurs="?" />
    <element type="Reference" name="ProdInqNum" occurs="?" />
    <element type="ListOfReferenceCoded" occurs="?" />
  </sequence>
</model>
</elementtype>

</schema>
```

CBL.soX

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.soX$1.0" >

  <intro>
    <h1> Common Business Library </h1>
    <p>Copyright Notice</p>
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    Copyright 1999 Commerce One, Inc.</p>
    <p>Permission is granted to use, copy, modify and distribute the
    DTD's, schemas and modules in the Commerce One Common Business
    Library Version 2.0 subject to the terms and conditions specified
    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>
    <p>The Common Business Library, CBL, defines elementtypes
    used in many of the business documents</p>
  </intro>

  <join system="urn:x-commerceone:document:com:commerceone:CBL:Agency.mod$1.0"/>
  <join system="urn:x-commerceone:document:com:commerceone:CBL:AgencyCode.mod$1.0"/>
  <join system="urn:x-commerceone:document:com:commerceone:CBL:AllowOrCharge.mod$1.0"/>
  <join system="urn:x-commerceone:document:com:commerceone:CBL:AllowOrChgDesc.mod$1.0"/>
  <join system="urn:x-commerceone:document:com:commerceone:CBL:Attachment.mod$1.0"/>
  <join system="urn:x-commerceone:document:com:commerceone:CBL:AvailabilityCheckRequest.soX$1.0"/>
  <join system="urn:x-commerceone:document:com:commerceone:CBL:AvailabilityCheckResult.soX$1.0"/>
  <join system="urn:x-commerceone:document:com:commerceone:CBL:AvailabilityCheckHeader.soX$1.0"/>
  <join system="urn:x-commerceone:document:com:commerceone:CBL:AvailabilityCheckSummary.soX$1.0"/>
  <join system="urn:x-commerceone:document:com:commerceone:CBL:BaseItemDetail.mod$1.0"/>
  <join system="urn:x-commerceone:document:com:commerceone:CBL:BasicTypes.mod$1.0"/>
  <join system="urn:x-commerceone:document:com:commerceone:CBL:CatalogDelete.mod$1.0"/>
  <join system="urn:x-commerceone:document:com:commerceone:CBL:Category.mod$1.0"/>
  <join system="urn:x-commerceone:document:com:commerceone:CBL:CatHdrRef.mod$1.0"/>
  <join system="urn:x-commerceone:document:com:commerceone:CBL:CodedValue.mod$1.0"/>
  <join system="urn:x-commerceone:document:com:commerceone:CBL:CommonDataElement.mod$1.0"/>
  <join system="urn:x-commerceone:document:com:commerceone:CBL>Contact.mod$1.0"/>
```

```
<join system="urn:x-commerceone:document:com:commerceone:CBL:Contract.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:CountryCode.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:CurrencyCode.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:DescInfo.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:Description.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:Dimension.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:DimensionCode.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:DocumentCode.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:EqualityCode.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:ErrorInfo.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:Hazardous.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:Identifier.mod$1.0"/>
<join
system="urn:x-commerceone:document:com:commerceone:CBL:InvoiceParties.mod$1.0"/>
<join
system="urn:x-commerceone:document:com:commerceone:CBL:InvoiceHeader.mod$1.0"/>
<join
system="urn:x-commerceone:document:com:commerceone:CBL:InvoiceDetail.mod$1.0"/>
<join
system="urn:x-commerceone:document:com:commerceone:CBL:InvoiceSummary.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:Invoice.sox$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:KeyVal.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:LangCode.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:LangString.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:LineItem.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:Measurement.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:Money.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:MoneyRange.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:NameAddress.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:Note.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:OrderDetail.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:OrderHeader.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:OrderReference.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:OrderResponseHeader.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:OrderResponseDetail.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:OrderResponseSummary.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:OrderParty.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:OrderStatusDetail.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:OrderStatusHeader.mod$1.0"/>
```

```
<join system="urn:x-commerceone:document:com:commerceone:CBL:OrderStatusItem.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:OrderStatusRequest.sox$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:OrderStatusResult.sox$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:OrderSummary.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:Package.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:PackageType.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:PartTreeNode.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:PartNum.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:Party.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:PartyCoded.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:Payment.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:PaymentMeanCode.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:PaymentTermCode.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:PaymentCurrency.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:Price.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:PriceCatAction.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:PriceCatalog.sox$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:PriceCatDetail.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:PriceCatHdr.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:PriceCheckRequest.sox$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:PriceCheckResult.sox$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:PriceDetails.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:PricingData.sox$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:ProdAttribute.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:ProdCatAction.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:ProdCatDetail.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:ProdCatDoc.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:ProdCatGroup.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:ProdCatHdr.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:ProductCatalog.sox$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:PurchaseOrder.sox$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:PurchaseOrderResponse.sox$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:Quantity.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:QuantityRange.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:Range.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:Reference.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:ReferenceCoded.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:RelatedPartNum.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:RelatedParts.mod$1.0"/>
```

```
<join system="urn:x-commerceone:document:com:commerceone:CBL:SpecialCond.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:Status.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:Tax.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:TermOfDelivery.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:Transport.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:TransportMode.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:UnitOfMeasure.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:UnitPrice.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:UOMCode.mod$1.0"/>
<join system="urn:x-commerceone:document:com:commerceone:CBL:VarianceQuantity.mod$1.0"/>
```

```
</schema>
```


CodedValue.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Coded Value</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    DTD's, schemas and modules in the Commerce One Common Business
    Library Version 2.0 subject to the terms and conditions specified
    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p>A <code>CodedValue</code> specifies a code number for a value.
    The code number is known to an <code>Agency</code>, and may also
    refer to a specific <code>CodeList</code> maintained by that
    agency.</p>
    <p>In typical use, it is referenced in a document definition as:</p>
      <p><code>&lt;element type="CodedValue"&gt;</code></p>
    <p>If the <code>Agency</code> that issued the part number is
    selected from a list of standard agencies, the XML instance for
    this will look like this:</p>
      <p><code>&lt;PartNum&gt;</code><br/>
      <code>&lt;Agency AgencyID="AssignedBySupplier"/&gt;</code><br/>
      <code>&lt;CodeList="CPUList"&gt;</code><br/>
      <code>&lt;Value&gt;Intel PII&lt;/PartID&gt;</code><br/>
      <code>&lt;/PartNum&gt;</code></p>
  </intro>

  <elementtype name="CodedValue">
    <explain>
      <p><code>Agency</code> - The <code>Agency</code> that owns the
      <code>CodeList</code>.</p>
```

```
<p><code>CodeList</code> - An optional <code>CodeList</code>
specification. This is useful when the <code>Agency</code>
maintains multiple <code>CodeLists</code>.</p>
<p><code>Value</code> - The <code>Value</code>.</p>
</explain>
<model>
  <sequence>
    <element type="Agency"/>
    <element type="string" name="CodeList" occurs="?"/>
    <element type="string" name="Value"/>
  </sequence>
</model>
</elementtype>

</schema>
```

CommonDataElement.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Common Data Elements</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    Library Version 2.0 subject to the terms and conditions specified
    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p>This file contains shared EDIFACT-based Data Elements.</p>
  </intro>

  <datatype name="SalesRequirementCode">
    <explain>
      <p>Denotes buyer's willingness to accept partial shipment.</p>
    </explain>
    <enumeration datatype="NMTOKEN">
      <explain><p>Not willing to accept partial shipment.</p></explain>
      <option>ShipComplete</option>
      <explain><p>Willing to accept partial shipment.</p></explain>
      <option>ShipPartial</option>
    </enumeration>
  </datatype>

  <datatype name="ActionRequestNotification">
    <explain>
      <p>EDIFACT Data Element 1229. Code specifying the action to be
      taken or already taken.</p>
      <p>EDIFACT Data Element 1153. Reference Qualifier.</p>
    </explain>
  </datatype>
</schema>
```

```

</explain>
<enumeration datatype="NMTOKEN">
  <option>Added</option>
  <option>Changed</option>
  <option>NoAction</option>
  <option>AcceptedAsIs</option>
  <option>NotAccepted</option>
</enumeration>
</datatype>

<datatype name="MsgRefNum">
  <explain>
    <p>EDIFACT Data Element 0062. Message Reference Number.</p>
  </explain>
  <enumeration datatype="NMTOKEN">
    <explain><p>Delivery Schedule Msg</p></explain>
    <option>DELFOR</option>
    <explain><p>Invoice message</p></explain>
    <option>INVOIC</option>
    <explain><p>Purchase Order Change Msg</p></explain>
    <option>ORDCHG</option>
    <explain><p>Purchase Order Msg</p></explain>
    <option>ORDERS</option>
    <explain><p>Purchase Order Response Msg</p></explain>
    <option>ORDRSP</option>
    <explain><p>Order Status Enquiry Msg</p></explain>
    <option>OSTENQ</option>
    <explain><p>Order Status Report Msg</p></explain>
    <option>OSTRPT</option>
    <explain><p>Part Info Msg</p></explain>
    <option>PARTIN</option>
    <explain><p>Price/Sales Catalogue Msg</p></explain>
    <option>PRICAT</option>
    <explain><p>Product Data Msg</p></explain>
    <option>PRODAT</option>
    <explain><p>Product Inquiry Msg</p></explain>
    <option>PROINQ</option>
    <explain><p>Quote Msg</p></explain>
    <option>QUOTES</option>
  </enumeration>
</datatype>

```

```

        <explain><p>Receiving Advice Msg</p></explain>
        <option>RECADV</option>
        <explain><p>Remittance Advice Msg</p></explain>
        <option>REMADV</option>
        <explain><p>Request for Quote Msg</p></explain>
        <option>REQOTE</option>
    </enumeration>
</datatype>

<datatype name="ControllingAgency">
    <explain>
        <p>EDIFACT Data Element 0051. Controlling Agency.</p>
    </explain>
    <enumeration datatype="NMTOKEN">
        <option>Other</option>
        <explain><p>EAN International</p></explain>
        <option>EN</option>
        <explain><p>UN/ECE/TRADE/WP .4, UNSM</p></explain>
        <option>UN</option>
    </enumeration>
</datatype>

<datatype name="AssociationCode">
    <explain>
        <p>EDIFACT Data Element 0057. Association Assigned Code.</p>
    </explain>
    <enumeration datatype="NMTOKEN">
        <option>Other</option>
        <explain><p>Simple EDI</p></explain>
        <option>SIMP01</option>
        <explain><p>EAN Version Control Number</p></explain>
        <option>EAN008</option>
    </enumeration>
</datatype>

<datatype name="ItemNumType">
    <explain>
        <p>EDIFACT Data Element 7143. Item number type, coded</p>
    </explain>

```

```
<enumeration datatype="NMTOKEN">
  <option>Other</option>
  <explain><p>EN=International Article Numbering Association
(EAN)</p></explain>
  <option>EAN</option>
  <explain><p>UP=UPC (Universal product code)</p></explain>
  <option>UPC</option>
  <explain><p>IN=Buyer's item number</p></explain>
  <option>BuyerItemNum</option>
  <explain><p>SA=Supplier's article number</p></explain>
  <option>SupplierItemNum</option>
  <explain><p>BP=Buyer's part number</p></explain>
  <option>BuyerPartNum</option>
  <explain><p>CommerceOne PartKey</p></explain>
  <option>CommerceOne</option>
</enumeration>
</datatype>

</schema>
```

Contact.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Contact Function Code</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p>The aggregate of CTA and COM.</p>
  </intro>

  <datatype name="ContactFunctionCode">
    <explain>
      <p>EDIFACT Data Element 3139. Contact Function.</p>
    </explain>
    <enumeration datatype="NMTOKEN">
      <explain><p>OC = Order contact</p></explain>
      <option>OrderContact</option>
      <explain><p>GR Goods receiving contact</p></explain>
      <option>ReceivingContact</option>
      <explain><p>IC Information contact</p></explain>
      <option>InfoContact</option>
      <explain><p>PD Purchasing contact</p></explain>
      <option>PurchasingContact</option>
      <explain><p>SR Sales representative or department</p></explain>
      <option>SalesRepContact</option>
    </enumeration>
  </datatype>
```

```

<elementtype name="Contact">
  <explain>
    <p><code>Identifier</code> - The department or employee
    Id.</p>
    <p><code>ContactName</code> - The department or employee
    name.</p>
    <p><code>Telephone</code> - EDIFACT: COM:3155
    OBI: PER03 0 ID 2/2 TE - telephone 1/80
    Include country or area code.</p>
    <p><code>Email</code> - EDIFACT: COM: 3155
    OBI: PER03      0      ID      2/2      EM - email 1/80 </p>
    <p><code>Fax</code> - EDIFACT: COM: 3155
    PER03      0      ID      2/2      FX - fax 1/80 </p>
  </explain>
  <model>
    <sequence>
      <element type="Identifier" occurs="?" />
      <element type="string" name="ContactName" />
      <element type="string" name="Telephone" />
      <element type="string" name="Email" occurs="?" />
      <element type="string" name="Fax" occurs="?" />
    </sequence>
  </model>
</elementtype>

<elementtype name="ContactCoded">
  <extends type="Contact">
    <append>
      <element type="ContactFunctionCode" name="ContactQual" />
    </append>
  </extends>
</elementtype>

<elementtype name="ListOfContactCoded">
  <model>
    <element type="ContactCoded" occurs="+" />
  </model>
</elementtype>

```


</schema>

Contract.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Contract</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p>Contract represents a unique price contract (Start Date, End
    Date) between a buyer and a supplier. The base class does not
    contain a <code>PartNum</code> and therefore represents a blanket
    contract that applies to all <code>PartNums</code>.</p>
  </intro>

  <elementtype name="Contract">
    <explain>
      <p><code>ContractID</code> - The unique specifier for this
      contract.</p>
      <p><code>StartDate</code> - The date the contract begins.</p>
      <p><code>EndDate</code> - The date the contract ends.</p>
    </explain>
    <model>
      <sequence>
        <element type="string" name="ContractID"/>
        <element type="date" name="StartDate"/>
        <element type="date" name="EndDate"/>
      </sequence>
    </model>
  </elementtype>
</schema>
```

```
</elementtype>

<elementtype name="PartNumContract">
  <explain>
    <p>Represents a contract that is limited to a specific
    <code>PartNum</code>.</p>
    <p><code>PartIdent</code> - The supplier part (catalog item)
    for which this contract applies.</p>
  </explain>
  <extends type="Contract">
    <append>
      <element type="PartNum" name="PartIdent"/>
    </append>
  </extends>
</elementtype>

</schema>
```

CountryCode.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">
<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0" >
  <intro>
    <h1>Country Code</h1>
    <p>Copyright Notice</p>
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    Copyright 1999 Commerce One, Inc.</p>
    <p>Permission is granted to use, copy, modify and distribute the DTD's, schemas
    and modules in the Commerce One Common Business Library Version 2.0 subject to the terms
    and conditions specified at http://www.marketsite.net/xml/cbl/copyright.html</p>
    <p>
    The CountryCode (country code) is the coded representation of names of countries.</p>
    <p>
    This code set is based on ISO 3166,
    &quot;Codes for the Representation of Countries.&quot;
    The use of two alpha country codes from ISO 3166 is specified by UN/EDIFACT (D.99B)
    element 3207, country name code.</p>
    <p>
    The UN/CEFACT (UN/ECE) website can be found at http://www.unece.org/cefact/.
    The UN/EDIFACT website can be found at http://www.unece.org/trade/untdid/welcome.htm.</p>
  </intro>

  <datatype name="CountryCode">
    <enumeration datatype="NMTOKEN">
      <explain><p>Afghanistan</p></explain>      <option>AF</option>
      <explain><p>Albania</p></explain>          <option>AL</option>
      <explain><p>Algeria</p></explain>          <option>DZ</option>
      <explain><p>American Samoa</p></explain>   <option>AS</option>
      <explain><p>Andorra</p></explain>          <option>AD</option>
      <explain><p>Angola</p></explain>           <option>AO</option>
      <explain><p>Anguilla</p></explain>          <option>AI</option>
      <explain><p>Antarctica</p></explain>        <option>AQ</option>
      <explain><p>Antigua And Barbuda</p></explain> <option>AG</option>
      <explain><p>Argentina</p></explain>        <option>AR</option>
      <explain><p>Armenia</p></explain>          <option>AM</option>
    </enumeration>
  </datatype>
</schema>
```

<explain><p>Aruba</p></explain> <option>AW</option>
 <explain><p>Australia</p></explain> <option>AU</option>
 <explain><p>Austria</p></explain> <option>AT</option>
 <explain><p>Azerbaijan</p></explain> <option>AZ</option>
 <explain><p>Bahamas</p></explain> <option>BS</option>
 <explain><p>Bahrain</p></explain> <option>BH</option>
 <explain><p>Bangladesh</p></explain> <option>BD</option>
 <explain><p>Barbados</p></explain> <option>BB</option>
 <explain><p>Belarus</p></explain> <option>BY</option>
 <explain><p>Belgium</p></explain> <option>BE</option>
 <explain><p>Belize</p></explain> <option>BZ</option>
 <explain><p>Benin</p></explain> <option>BJ</option>
 <explain><p>Bermuda</p></explain> <option>BM</option>
 <explain><p>Bhutan</p></explain> <option>BT</option>
 <explain><p>Bolivia</p></explain> <option>BO</option>
 <explain><p>Bosnia And Herzegovina</p></explain> <option>BA</option>
 <explain><p>Botswana</p></explain> <option>BW</option>
 <explain><p>Bouvet Island</p></explain> <option>BV</option>
 <explain><p>Brazil</p></explain> <option>BR</option>
 <explain><p>British Indian Ocean Territory</p></explain> <option>IO</option>
 <explain><p>Brunei Darussalam</p></explain> <option>BN</option>
 <explain><p>Bulgaria</p></explain> <option>BG</option>
 <explain><p>Burkina Faso</p></explain> <option>BF</option>
 <explain><p>Burundi</p></explain> <option>BI</option>
 <explain><p>Cambodia</p></explain> <option>KH</option>
 <explain><p>Cameroon</p></explain> <option>CM</option>
 <explain><p>Canada</p></explain> <option>CA</option>
 <explain><p>Cape Verde</p></explain> <option>CV</option>
 <explain><p>Cayman Islands</p></explain> <option>KY</option>
 <explain><p>Central African Republic</p></explain> <option>CF</option>
 <explain><p>Chad</p></explain> <option>TD</option>
 <explain><p>Chile</p></explain> <option>CL</option>
 <explain><p>China</p></explain> <option>CN</option>
 <explain><p>Christmas Island</p></explain> <option>CX</option>
 <explain><p>Cocos (Keeling) Islands</p></explain> <option>CC</option>
 <explain><p>Colombia</p></explain> <option>CO</option>
 <explain><p>Comoros</p></explain> <option>KM</option>
 <explain><p>Congo</p></explain> <option>CG</option>
 <explain><p>Congo, The Democratic Republic Of The</p></explain> <option>CD</option>

<explain><p>Cook Islands</p></explain>	<option>CK</option>
<explain><p>Costa Rica</p></explain>	<option>CR</option>
<explain><p>Cote D'ivoire</p></explain>	<option>CI</option>
<explain><p>Croatia</p></explain>	<option>HR</option>
<explain><p>Cuba</p></explain>	<option>CU</option>
<explain><p>Cyprus</p></explain>	<option>CY</option>
<explain><p>Czech Republic</p></explain>	<option>CZ</option>
<explain><p>Denmark</p></explain>	<option>DK</option>
<explain><p>Djibouti</p></explain>	<option>DJ</option>
<explain><p>Dominica</p></explain>	<option>DM</option>
<explain><p>Dominican Republic</p></explain>	<option>DO</option>
<explain><p>East Timor</p></explain>	<option>TP</option>
<explain><p>Ecuador</p></explain>	<option>EC</option>
<explain><p>Egypt</p></explain>	<option>EG</option>
<explain><p>El Salvador</p></explain>	<option>SV</option>
<explain><p>Equatorial Guinea</p></explain>	<option>GQ</option>
<explain><p>Eritrea</p></explain>	<option>ER</option>
<explain><p>Estonia</p></explain>	<option>EE</option>
<explain><p>Ethiopia</p></explain>	<option>ET</option>
<explain><p>Falkland Islands (Malvinas)</p></explain>	<option>FK</option>
<explain><p>Faroe Islands</p></explain>	<option>FO</option>
<explain><p>Fiji</p></explain>	<option>FJ</option>
<explain><p>Finland</p></explain>	<option>FI</option>
<explain><p>France</p></explain>	<option>FR</option>
<explain><p>France, Metropolitan</p></explain>	<option>FX</option>
<explain><p>French Guiana</p></explain>	<option>GF</option>
<explain><p>French Polynesia</p></explain>	<option>PF</option>
<explain><p>French Southern Territories</p></explain>	<option>TF</option>
<explain><p>Gabon</p></explain>	<option>GA</option>
<explain><p>Gambia</p></explain>	<option>GM</option>
<explain><p>Georgia</p></explain>	<option>GE</option>
<explain><p>Germany</p></explain>	<option>DE</option>
<explain><p>Ghana</p></explain>	<option>GH</option>
<explain><p>Gibraltar</p></explain>	<option>GI</option>
<explain><p>Greece</p></explain>	<option>GR</option>
<explain><p>Greenland</p></explain>	<option>GL</option>
<explain><p>Grenada</p></explain>	<option>GD</option>
<explain><p>Guadeloupe</p></explain>	<option>GP</option>
<explain><p>Guam</p></explain>	<option>GU</option>

<explain><p>Guatemala</p></explain> <option>GT</option>
 <explain><p>Guinea</p></explain> <option>GN</option>
 <explain><p>Guinea-bissau</p></explain> <option>GW</option>
 <explain><p>Guyana</p></explain> <option>GY</option>
 <explain><p>Haiti</p></explain> <option>HT</option>
 <explain><p>Heard Island And Mcdonald Islands</p></explain> <option>HM</option>
 <explain><p>Holy See (Vatican City State)</p></explain> <option>VA</option>
 <explain><p>Honduras</p></explain> <option>HN</option>
 <explain><p>Hong Kong</p></explain> <option>HK</option>
 <explain><p>Hungary</p></explain> <option>HU</option>
 <explain><p>Iceland</p></explain> <option>IS</option>
 <explain><p>India</p></explain> <option>IN</option>
 <explain><p>Indonesia</p></explain> <option>ID</option>
 <explain><p>Iran, Islamic Republic Of</p></explain> <option>IR</option>
 <explain><p>Iraq</p></explain> <option>IQ</option>
 <explain><p>Ireland</p></explain> <option>IE</option>
 <explain><p>Israel</p></explain> <option>IL</option>
 <explain><p>Italy</p></explain> <option>IT</option>
 <explain><p>Jamaica</p></explain> <option>JM</option>
 <explain><p>Japan</p></explain> <option>JP</option>
 <explain><p>Jordan</p></explain> <option>JO</option>
 <explain><p>Kazakstan</p></explain> <option>KZ</option>
 <explain><p>Kenya</p></explain> <option>KE</option>
 <explain><p>Kiribati</p></explain> <option>KI</option>
 <explain><p>Korea, Democratic People's Republic Of</p></explain> <option>KP</option>
 <explain><p>Korea, Republic Of</p></explain> <option>KR</option>
 <explain><p>Kuwait</p></explain> <option>KW</option>
 <explain><p>Kyrgyzstan</p></explain> <option>KG</option>
 <explain><p>Lao People's Democratic Republic</p></explain> <option>LA</option>
 <explain><p>Latvia</p></explain> <option>LV</option>
 <explain><p>Lebanon</p></explain> <option>LB</option>
 <explain><p>Lesotho</p></explain> <option>LS</option>
 <explain><p>Liberia</p></explain> <option>LR</option>
 <explain><p>Libyan Arab Jamahiriya</p></explain> <option>LY</option>
 <explain><p>Liechtenstein</p></explain> <option>LI</option>
 <explain><p>Lithuania</p></explain> <option>LT</option>
 <explain><p>Luxembourg</p></explain> <option>LU</option>
 <explain><p>Macau</p></explain> <option>MO</option>
 <explain><p>Macedonia, The Former Yugoslav Republic Of</p></explain> <option>MK</option>

<explain><p>Madagascar</p></explain> <option>MG</option>
 <explain><p>Malawi</p></explain> <option>MW</option>
 <explain><p>Malaysia</p></explain> <option>MY</option>
 <explain><p>Maldives</p></explain> <option>MV</option>
 <explain><p>Mali</p></explain> <option>ML</option>
 <explain><p>Malta</p></explain> <option>MT</option>
 <explain><p>Marshall Islands</p></explain> <option>MH</option>
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    <p>Permission is granted to use, copy, modify and distribute the DTD's, schemas
    and modules in the Commerce One Common Business Library Version 2.0 subject to the terms
    and conditions specified at <code>http://www.marketsite.net/xml/cbl/copyright.html</code></p>
    <p>
    The <code>CurrencyCode</code> (currency code) is the coded representation of names of currencies.</p>
    <p>
    This code set is based on ISO 4217
    &quot;Alphabetic Currency Code.&quot;<br/>
    Use of ISO 4217 three alpha code is specified by UN/EDIFACT (D.99B) element 6345,
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<explain><p>Uzbekistan Sum</p></explain>	<option>UZS</option>
<explain><p>Venezuelan Bolivar</p></explain>	<option>VEB</option>
<explain><p>Vietnamese Dong</p></explain>	<option>VND</option>
<explain><p>Vanuatu Vatu</p></explain>	<option>VUV</option>
<explain><p>Samoan Tala</p></explain>	<option>WST</option>
<explain><p>CFA Franc BEAC</p></explain>	<option>XAF</option>
<explain><p>Gold</p></explain>	<option>XAU</option>
<explain><p>East Caribbean Dollar</p></explain>	<option>XCD</option>
<explain><p>European Currency Unit (E.C.U.)</p></explain>	<option>XEU</option>
<explain><p>CFA Franc BCEAO</p></explain>	<option>XOF</option>
<explain><p>CFP Franc</p></explain>	<option>XPF</option>
<explain><p>Yemeni Rial</p></explain>	<option>YER</option>
<explain><p>Yugoslavian New Dinar</p></explain>	<option>YUN</option>
<explain><p>Financial Rand</p></explain>	<option>ZAL</option>
<explain><p>South African Rand</p></explain>	<option>ZAR</option>
<explain><p>Zambian Kwacha</p></explain>	<option>ZMK</option>
<explain><p>New Zaire</p></explain>	<option>ZRN</option>
<explain><p>Zimbabwe Dollar</p></explain>	<option>ZWD</option>

</enumeration>

</datatype>

</schema>

DescInfo.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Descriptive Information</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p><code>DescInfo</code> provides descriptive information about
    a product. This information is in addition to basic short
    description or long description information about a product.
    This information is intended to be displayed when showing a
    description of the part. It is not intended for providing
    detailed operational characteristics of the part. (That
    information is usually represented as a <code>ProdAttribute</code>.)</p>
    <p>The information may be provided either in coded form or as
    language-specific text strings. If multiple languages are required,
    this element should be repeated for each language.</p>
  </intro>

  <elementtype name="DescInfo">
    <explain>
      <p><code>AttribCode</code> - A coded value for the attribute being
      described.</p>
      <p><code>AttribCodeOther</code> - If <code>AttribCode</code> is
      <code>Other</code>, the characteristic being described is named
      here in language-specific text.</p>
      <p><code>ValueOther</code> - The value in text. This should be
```

```

        specified only if the <code>ValueCode</code> is
        <code>Other</code>.</p>
        <p><code>Agency</code> - The Agency that understands the coded
        value.</p>
    </explain>
    <model>
        <sequence>
            <element type="DescInfoAttribCode" name="AttribCode"/>
            <element type="LangString" name="AttribCodeOther" occurs="?" />
            <element type="DescInfoValueCode" name="ValueCode"/>
            <element type="LangString" name="ValueOther" occurs="?" />
            <element type="Agency" occurs="?" />
        </sequence>
    </model>
</elementtype>

<datatype name="DescInfoAttribCode">
    <explain>
        <p>A code an identifying item characteristic that is being
        described. This is based on EANCOM codeset 7081.</p>
    </explain>
    <enumeration datatype="NMTOKEN">
        <option>Other</option>
        <option>Finish</option>
        <option>Quality</option>
        <option>Color</option>
        <option>Grade</option>
        <option>Keyword</option>
    </enumeration>
</datatype>

<datatype name="DescInfoValueCode">
    <explain>
        <p>A code specifying a value for the attribute.</p>
    </explain>
    <enumeration datatype="NMTOKEN">
        <option>Other</option>
        <option>Red</option>
        <option>Orange</option>

```

```
        <option>Yellow</option>
        <option>Green</option>
        <option>Blue</option>
        <option>Violet</option>
        <option>A</option>
    </enumeration>
</datatype>

<elementtype name="ListOfDescInfo">
    <explain>
        <p>A container for a list of one or more
        <code>DescInfo</code>.</p>
    </explain>
    <model>
        <element type="DescInfo" occurs="+"/>
    </model>
</elementtype>

</schema>
```

Description.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Description</h1>

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    <p>A Description is a string with an optional language
    specification. As the name implies, it is intended to be used to
    describe something.</p>
    <p>Implementation note: It would be natural to extend this from
    <code>LangString</code>, but the current implementation of SOX
    does not allow extending from a model of string.</p>
  </intro>

  <elementtype name="Description">
    <model>
      <string/>
    </model>
    <attdef datatype="LangCode" name="Lang">
    </attdef>
  </elementtype>

  <elementtype name="ListOfDescription">
    <explain>
      <p>A container for a list of one or more
      <code>Description</code></p>
```

```
        </explain>
        <model>
            <element type="Description" occurs="+"/>
        </model>
    </elementtype>

</schema>
```

Dimension.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Dimension</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    <p>A <code>Dimension</code> encapsulates the measurement of some
    physical quantity. The dimension has a name (such as "Height,"
    "Width," or "Thickness"), a <code>UnitOfMeasure</code> (such as
    "FOT" for foot), and a <code>Measurement</code> value (for
    example, 7.00 ). The <code>Measurement</code> value can also
    have an equality indicator (such as equal to or greater than).</p>
    <p>In XML, a simple Dimension may be:</p>
      <p><code><lt;Size DimName="Height" UnitOfMeasure="FOT"&gt;</code><br/>6.1<br/>
      <code></Size&gt;</code></p>
    <p>A more complex Dimension may be:</p>
      <p><code><lt;Size Equality="GT" DimName="Other"
      DimNameOther="Height, with shoes" UnitOfMeasure="FOT"&gt;</code><br/>
      6.3<br/>
      <code></Size&gt;</code></p>
    <p>Implementation note: It makes sense for "<code>Dimension</code>"
    to "extend" <code>Measurement</code>. At the time of this writing,
    "<code>Measurement</code>" could not be extended because SOX does
    not allow extension of an <code><lt;elementtype&gt;</code> with a
    <code><lt;model&gt;</code> of <code><lt;string&gt;</code>.</p>
  </intro>
```

```

<elementtype name="Dimension">
  <explain>
    <p><code>Decimal18_3</code> - The measured value.</p>
  </explain>
  <model>
    <string datatype="Decimal18_3"/>
  </model>
  <attdef datatype="DimensionCode" name="DimName">
    <explain>
      <p>The <code>Dimension</code> being measured (for example, the height,
        width, etc.)</p>
    </explain>
    <required/>
  </attdef>
  <attdef datatype="string" name="DimNameOther">
    <explain>
      <p>A <code>DimNameOther</code> is provided only if the
        <code>Dim</code> is <code>Other</code>. It names the
        dimension.</p>
    </explain>
  </attdef>
  <attdef datatype="UOMCode" name="UnitOfMeasure">
    <explain>
      <p>The <code>MeasUnit</code> provides the unit of
        measurement (eg, feet or meters).</p>
    </explain>
    <required/>
  </attdef>
  <attdef datatype="EqualityCode" name="Equality">
    <explain>
      <p>The relationship of the property being measured to
        the supplied measured value. Signifies whether the
        property is Equal to, less than, etc. the value.</p>
    </explain>
  </attdef>
</elementtype>

<elementtype name="ListOfDimension">

```

```
<explain>
  <p>A container for a list of one or more
  <code>Dimension</code>.</p>
</explain>
<model>
  <element type="Dimension" occurs="+"/>
</model>
</elementtype>

</schema>
```


DimensionCode.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Dimension Code</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    <p>List of standard dimension names. This is derived from EDI code list 6313.</p>
  </intro>

  <datatype name="DimensionCode">
    <enumeration datatype="NMTOKEN">
      <explain><p>Actual filling weight of a transport container.</p></explain>
      <option>ContainerFillWeight</option>
      <explain><p>Maximum capacity of a transport container.</p></explain>
      <option>ContainerMaxCapacity</option>
      <explain><p>The gross measurement cube of an article.</p></explain>
      <option>CubeMeasureGross</option>
      <explain><p>An indication of the net cubed measurement of a
      package.</p></explain>
      <option>CubeMeasureNet</option>
      <explain><p>The declared net weight of a product or products used
      for invoicing, customs or transport purposes.</p></explain>
      <option>DeclaredNetWeight</option>
      <explain><p>Degree BRIX (EAN Code)</p></explain>
      <option>DegreeBRIX</option>
      <explain><p>Density</p></explain>
    </enumeration>
  </datatype>
</schema>
```

<option>Density</option>
 <explain><p>Depth</p></explain>
 <option>Depth</option>
 <explain><p>Diameter</p></explain>
 <option>Diameter</option>
 <explain><p>The volume of liquid which results after a dilution agent has been added, e.g. undiluted orange juice of 200ml, after dilution with water the volume of diluted liquid equals 1 litre.</p></explain>
 <option>DilutedLiquid</option>
 <explain><p>A code used to indicate the net weight of a product following the removal of any liquid used in the packaging of that product.</p></explain>
 <option>DrainedWeight</option>
 <explain><p>A measurement of the energy efficiency of an article.</p></explain>
 <option>EnergyEfficiency</option>
 <explain><p>A measurement of the fat content of a product.</p></explain>
 <option>FatContent</option>
 <explain><p>Heat dissipation</p></explain>
 <option>HeatDissipation </option>
 <explain><p>Height dimension</p></explain>
 <option>Height</option>
 <explain><p>Humidity</p></explain>
 <option>Humidity</option>
 <explain><p>A measurement of the inside diameter of a roll, tube, pipe, or circle.</p></explain>
 <option>InsideDiameter</option>
 <explain><p>Number of layers of a product or products within a package, container, pallet, etc.</p></explain>
 <option>Layers</option>
 <explain><p>Length dimension</p></explain>
 <option>Length</option>
 <explain><p>Maximum height of products or packages loaded onto a given transportation device or equipment such as a pallet.</p></explain>
 <option>LoadingHeight</option>
 <explain><p>A measurement of the outside diameter of a roll, tube, pipe, or circle.</p></explain>
 <option>OutsideDiameter</option>

<explain><p>The number of pallet places needed to store or transport pallets (can be stacked).</p></explain>
 <option>PalletPlaces</option>
 <explain><p>An indication of the number of units on a loaded pallet. The value associated with this code is calculated by multiplying the number of units per layer by the number of layers on a pallet.</p></explain>
 <option>PalletUnits</option>
 <explain><p>Power consumption Value of energy consumption.</p></explain>
 <option>PowerConsumption</option>
 <explain><p>The ration of the power dissipated (active power in kW) to the total power (which is the product of the input volts times amps given in kVa). When equipment which uses reactive power is being operated the power factor will be less than one.</p></explain>
 <option>PowerFactor</option>
 <explain><p>Relative humidity.</p></explain>
 <option>RelativeHumidity</option>
 <explain><p>Specific gravity.</p></explain>
 <option>SpecificGravity </option>
 <explain><p>Maximum height up to which the same product or package may be placed one upon the other for storage purposes.</p></explain>
 <option>StackingHeight</option>
 <explain><p>An indication of measurements in which options contained within a Customer Specific Article are available, e.g. 10 metre planks of wood may be sold in step sizes of 2 metres.</p></explain>
 <option>StepSize</option>
 <explain><p>Tare weight.</p></explain>
 <option>TareWeight</option>
 <explain><p>A measurement in relation to temperature.</p></explain>
 <option>Temperature</option>
 <explain><p>Operative temperature Temperature identified system or process works according to specifications.</p></explain>
 <option>TempOperating</option>
 <explain><p>Thickness</p></explain>
 <option>Thickness</option>
 <explain><p>Number of units of a product or package within one layer of a package, container, pallet, etc.</p></explain>
 <option>UnitsPerLayer</option>

```

    <explain><p>The number of identified units per package.</p></explain>
      <option>UnitsPerPackage</option>
    <explain><p>Voltage</p></explain>
      <option>Voltage</option>
    <explain><p>Volume The amount of air space taken up by the entity
    identified in the 6311 qualifier.</p></explain>
      <option>Volume</option>
    <explain><p>The observed volume unadjusted for factors such as
    temperature or gravity.</p></explain>
      <option>VolumeGross</option>
    <explain><p>Net volume The observed volume after adjustment for
    factors such as temperature or gravity.</p></explain>
      <option>VolumeNet</option>
    <explain><p>Waste content</p></explain>
      <option>WasteContent</option>
    <explain><p>Water content Water content in product.</p></explain>
      <option>WaterContent</option>
    <explain><p>Weight of unit</p></explain>
      <option>Weight</option>
    <explain><p>Weight (mass) of goods including packing but excluding
    the carrier's equipment.</p></explain>
      <option>WeightGross</option>
    <explain><p>Item gross weight Gross weight at line item level.</p></explain>
      <option>WeightItemGross</option>
    <explain><p>Net net weight Weight (mass) of the goods without any
    packing.</p></explain>
      <option>WeightNetNet</option>
  </enumeration>
</datatype>

</schema>

```

DocumentCode.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Document Code</h1>

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    <p>A <code>DocumentCode</code> represents the <code>Name</code>
    of a document. This comes from EANCOM code set 1001.</p>
  </intro>

  <datatype name="DocumentCode">
    <enumeration datatype="NMTOKEN">
      <option>Other</option>
      <option>CertOfAnalysis</option>
      <option>CertOfConformity</option>
      <option>CertOfQuality</option>
      <option>CertOfOrigin</option>
      <explain><p>220 Order</p></explain>
      <option>Order</option>
      <explain><p>221 Blanket order</p></explain>
      <option>BlanketOrder</option>
      <explain><p>224 Rush order</p></explain>
      <option>RushOrder</option>
      <explain><p>226 Call off order</p></explain>
      <option>CallOffOrder</option>
      <explain><p>22E Manufacturer raised order (EAN Code)</p></explain>
    </enumeration>
  </datatype>
</schema>
```

```
    <option>ManufRaisedOrder</option>
  <explain><p>23B Standing order</p></explain>
  <option>StandingOrder</option>
  <explain><p>640 Delivery order</p></explain>
  <option>DeliveryOrder</option>
  <explain><p>S20 Order to dispatch (ANA code)</p></explain>
  <option>OrderToDispatch</option>
  <explain><p>S21 Order to move (ANA code)</p></explain>
  <option>OrderToMove</option>
  <explain><p>S22 Order to produce (ANA code)</p></explain>
  <option>OrderToProduce</option>
  <explain><p>S23 Order to process (ANA code)</p></explain>
  <option>OrderToProcess</option>
  <explain><p>S24 Order to treat (ANA code)</p></explain>
  <option>OrderToTreat</option>
</enumeration>
</datatype>
</schema>
```

EqualityCode.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1></h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p>List of Equality Codes (EQ for equal to, GT for greater than,
    etc.) Equality codes are useful for measured values.</p>
  </intro>

  <datatype name="EqualityCode">
    <enumeration datatype="NMTOKEN">
      <option>EQ</option>
      <option>GT</option>
      <option>GE</option>
      <option>LT</option>
      <option>LE</option>
      <option>Approx</option>
    </enumeration>
  </datatype>

</schema>
```

ErrorInfo.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Errors</h1>

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    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p>There are three level of errors that can happened when
    processing a request document:</p>
    <ol>
      <li>Transmission error, e.g.: HTTP timeout, etc.</li>
      <li>Document error, e.g.: XML is not well formed, the instance
      does not match the schema definition.</li>
      <li>Business Level error, e.g.: Invalid unit of measure.</li>
    </ol>
    <p>The transmission and document errors are not addressed using this
    module, because it is specific to certain platform and XML run-time
    system. The <code>ErrorInfo</code> module however, is designed to
    handle business level error.</p>
    <p><code>ErrorInfo</code> module should only be used under error
    condition. The existence of this module signifies that that a
    business level error occurred during processing of the request
    document. It contains the error code and optional extra information
    related to the error.</p>
    <p>For example, let say buyer B1 initiates a price check for 10
    units of item SKU1 to supplier S1. Here are some possible results of
    the price check:</p>
```



```

<ul>
  <li>successful</li>
  <li>fail, due to invalid SKU number
  (e.g. ErrorCode: PC_INVALID_SKU)</li>
  <li>fail, due to invalid quantity
  (e.g. ErrorCode: PC_INVALID_QTY)</li>
  <li>fail, due to not enough availability
  (e.g. ErrorCode: PC_INSUFFICIENT_QTY)</li>
</ul>
<p>Each unique error condition has an Error Code assigned to it.
In addition to the error code, <code>ErrorInfo</code> can provide
more information to the caller. For example, for the case where the
supplier does not have sufficient stock to satisfy customer's
request, she can provide information about how much stock is
currently available.</p>
<p>The complete list of Error Code will be provided at separate
document.</p>
</intro>

<datatype name="SeverityCode">
  <explain>
    <p>Define the severity of an error. These enumeration is
    derived after evaluating various sources, including IOTP
    1.0 (Error Component section), CommerceOne, and other
    sources.</p>
  </explain>
  <enumeration datatype="NMTOKEN">
    <explain><p>This option should not be used under normal
    circumstances.</p></explain>
    <option>Other</option>
    <explain><p>For caller information only.</p></explain>
    <option>Informational</option>
    <explain><p>Non fatal error.</p></explain>
    <option>Warning</option>
    <explain><p>For diag or debugging purposes</p></explain>
    <option>Diagnostic</option>
    <explain><p>Errors are temporary in nature and request
    possibly can be resent in the future. The interval before
    resend can occurs can be specified as one of the

```

```

        parameters.</p></explain>
        <option>Transient</option>
        <explain><p>A business error has occurred.</p></explain>
        <option>Error</option>
    </enumeration>
</datatype>

<elementtype name="ErrorInfo">
    <explain>
        <p><code>CompletionCode</code> - The complete list of error
        code is available elsewhere, specific to the message that use
        this module.</p>
        <p><code>CompletionMsg</code> - The error message</p>
        <p><code>ListOfParameter</code> - This optional field can be
        used to pass extra information to caller about an error. In
        a way, the motivation of this field is similar to the IOTP's
        <code>PackagedContent</code> concept. For example, a buyer
        and a supplier can agree that under the situation where the
        supplier does not have enough stock, it will pass these three
        parameters:</p>
        <p>Param1  SKU# <br/>
        Param2  Buyer Requested Delivery Date <br/>
        Param3  The date when supplier will be able to fulfill
        the order</p>
        <p><code>MinRetrySecs</code> - This optional field is used to
        specify the number of seconds that a caller has to wait before
        sending the retry request. This field is usually used by an
        error that has <code>severity=Transient</code></p>
        <p><code>SwVendorErrorRef</code> - This optional Software
        Vendor Error Reference is used to specify the exact location
        where the error occurs. It should contain information that
        enable software vendor to trace back the exact location of
        the code that generate this code.</p>
    </explain>
    <model>
        <sequence>
            <element type="string" name="CompletionCode"/>
            <element type="LangString" name="CompletionMsg"/>
            <element type="SeverityCode" name="Severity"/>

```

```
        <element type="ListOfParameter" occurs="?" />
        <element type="int" name="MinRetrySecs" occurs="?" />
        <element type="string" name="SwVendorErrorRef" occurs="?" />
    </sequence>
</model>
</elementtype>

<elementtype name="ListOfParameter">
    <explain>
        <p>container for <code>Parameters</code></p>
    </explain>
    <model>
        <element type="string" name="Parameter" occurs="+" />
    </model>
</elementtype>

<elementtype name="ListOfErrorInfo">
    <explain>
        <p>container for <code>ErrorInfo</code></p>
    </explain>
    <model>
        <element type="ErrorInfo" occurs="+" />
    </model>
</elementtype>

</schema>
```

EventCore.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Event Core</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    DTD's, schemas and modules in the Commerce One Common Business
    Library Version 2.0 subject to the terms and conditions specified
    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p>Event Core contains the error and success code and some other
    information related to the error if available.</p>
    <p>For example, let say buyer B1 initiates a price check for 10
    units of item SKU1 to supplier S1. Here are some scenarios of
    the price check process:</p>
    <ul>
      <li>successful (e.g. EventKey: PRICE_CHECK_OK)</li>
      <li>fail, due to invalid SKU number
      (e.g. EventKey: PC_INVALID_SKU)</li>
      <li>fail, due to invalid quantity
      (e.g. EventKey: PC_INVALID_QTY)</li>
      <li>fail, due to not enough availability
      (e.g. EventKey: PC_INSUFFICIENT_QTY)</li>
      <li>etc.</li>
    </ul>
    <p>Each of the error codes can be expressed in a unique
    <code>EventKey</code> (the error code).</p>
    <p>In addition to the success or error code, <code>EventCore</code>
    can provide more information to the caller. For example, for the
    case where the supplier does not have sufficient stock to satisfy
```

```

customer's request, she can provide information about how much
stock is currently available.</p>
<p>For Commerce One customers, they would be able to create a
full event using this event core object. For non Commerce One
customers, you would need to get a copy of the appropriate event
catalog to find out the full listing of error/success code.</p>
<p>Here is subset of a sample event catalog:</p>
<p><code>&lt;EVENT TYPE="STATUS" ID="PC_INSUFFICIENT_QTY"
SEV="20"&gt;</code><br/>
  <code>&lt;APPLICATION ID="11502" CATEGORY="BUS"
SUBCATEGORY="PO"/&gt;</code><br/>
  <code>&lt;TEXT en="Not enough stock for order item line#: +1,
SKU#: +2, wanted: +3, have: +4."/&gt;</code><br/>
  <code>&lt;PARAMETER NAME="OrderItemNum"/&gt;</code><br/>
  <code>&lt;PARAMETER NAME="SKU#"/&gt;</code><br/>
  <code>&lt;PARAMETER NAME="WantedQuantity"/&gt;</code><br/>
  <code>&lt;PARAMETER NAME="AvailableQuantity"/&gt;</code><br/>
<code>&lt;/EVENT&gt;</code></p>
</intro>

<elementtype name="EventCore">
  <explain>
    <p><code>EventKey</code> - This is equivalent to the
eventKey</p>
    <p><code>ListOfParameter</code> - Pass on all of the
parameters to the client if they want to reconstruct events
on their side</p>
    <p><code>ErrorMessage</code> - Pass on the default error
message</p>
    <p><code>TimeStamp</code> - This event creation time</p>
  </explain>
  <model>
    <sequence>
      <element type="string" name="EventKey"/>
      <element type="ListOfParameter" occurs="?"/>
      <element type="string" name="ErrorMessage" occurs="?"/>
      <element type="datetime" name="TimeStamp" occurs="?"/>
    </sequence>
  </model>

```

```
</elementtype>

<elementtype name="ListOfParameter">
  <explain>
    <p>container for <code>Parameters</code></p>
  </explain>
  <model>
    <element type="string" name="Parameter" occurs="+"/>
  </model>
</elementtype>

<elementtype name="ListOfEventCore">
  <explain>
    <p>container for <code>EventCore</code></p>
  </explain>
  <model>
    <element type="EventCore" occurs="+"/>
  </model>
</elementtype>

</schema>
```

Hazardous.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Hazardous</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    <p>A <code>Hazardous</code> item is identified by a hazardous
    goods code (from some <code>Agency</code>), or by text describing
    the hazard.</p>
  </intro>

  <elementtype name="Hazardous">
    <explain>
      <p><code>Agency</code> - The <code>Agency</code> that codified
      the <code>Hazard</code>.</p>
      <p><code>HazardCode</code> - The <code>HazardCode</code> is
      the coded identification of the <code>Hazard</code>, as
      specified by the <code>Agency</code>.</p>
      <p><code>CodeExt</code> - An optional extension of the
      <code>HazardCode</code> to further refine it.</p>
      <p><code>CodeVer</code> - An optional <code>HazardCode</code>
      version number.</p>
      <p><code>HazardText</code> - If no <code>DangerCode</code> is
      specified, text may be provided for the <code>Danger</code>.
      The text may be provided in several languages, but it should
      be specified only once for a given language.</p>
    </explain>
  </elementtype>
</schema>
```

```

    <p><code>UNDGNum</code> - United Nations Dangerous Goods code
    for most common dangerous substances.</p>
    <p><code>Flashpoint</code> - The lowest temperature at which
    vapor from an inflammable liquid forms an ingitable mixture
    with air. In degrees centigrade </p>
    <p><code>PackingCode</code> - Packing criteria for hazardous
    materials as assigned by IATA/IMDB/ADR/RID.</p>
    <p><code>EMSNum</code> - Emergency procedures for ships
    carrying dangerous goods</p>
    <p><code>TremCardNum</code> - Medical first aid guide</p>
    <p><code></code> - </p>
</explain>
<model>
  <sequence>
    <element type="Agency" occurs="?" />
    <element type="string" name="HazardCode" occurs="?" />
    <element type="string" name="CodeExt" occurs="?" />
    <element type="string" name="CodeVer" occurs="?" />
    <element type="ListOfLangString" name="HazardText" occurs="?" />
    <element type="int" name="UNDGNum" occurs="?" />
    <element type="Decimal8_2" name="Flashpoint" occurs="?" />
    <element type="HazardPackingCode" name="PackingCode" occurs="?" />
    <element type="string" name="EMSNum" occurs="?" />
    <element type="string" name="TremCardNum" occurs="?" />
  </sequence>
</model>
</elementtype>

<datatype name="HazardPackingCode">
  <explain>
    <p>Packing criteria for hazardous materials as assigned by
    IATA/IMDB/ADR/RID. This is derived from EANCOM code list
    8339.</p>
  </explain>
  <enumeration datatype="string">
    <option>Not Specified</option>
    <option>Great Danger</option>
    <option>Medium Danger</option>
    <option>Minor Danger</option>
  </enumeration>

```



```
        </enumeration>
</datatype>

<elementtype name="ListOfHazardous">
  <explain>
    <p>A container for a list of one or more
    <code>Hazardous</code></p>
  </explain>
  <model>
    <element type="Hazardous" occurs="+"/>
  </model>
</elementtype>

</schema>
```

Identifier.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Identifier</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p>An <code>ID</code> refers to an assigned <code>ID</code> by an agency, such as D and B ID,
    EAN ID, ISO ID, etc.</p>
  </intro>

  <elementtype name="Identifier">
    <explain>
      <p>a coded identifier</p>
    </explain>
    <model>
      <sequence>
        <element type="Agency"/>
        <element type="string" name="Ident"/>
      </sequence>
    </model>
  </elementtype>

  <elementtype name="ListOfIdentifier">
    <explain>
      <p>container for <code>Identifier</code></p>
    </explain>
```

```
        <model>
          <element type="Identifier" occurs="+"/>
        </model>
      </elementtype>

</schema>
```

Invoice.sox

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Invoice</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    DTD's, schemas and modules in the Commerce One Common Business
    Library Version 2.0 subject to the terms and conditions specified
    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>
  </intro>

  <elementtype name="Invoice">
    <model>
      <sequence>
        <element type="InvoiceHeader"/>
        <element type="InvoiceParties"/>
        <element type="ListOfInvoiceDetail"/>
        <element type="InvoiceSummary"/>
      </sequence>
    </model>
  </elementtype>

</schema>
```

InvoiceDetail.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Invoice Detail</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    DTD's, schemas and modules in the Commerce One Common Business
    Library Version 2.0 subject to the terms and conditions specified
    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p>The <code>InvoiceDetail</code> segment is used to provide
    details of the individual invoiced items.</p>
    <p><code>InvoiceDetail</code> is based on SG25 in EANCOM</p>
  </intro>

  <elementtype name="InvoiceDetail">
    <explain>
      <p><code>BaseItemDetail</code> - base item information</p>
      <p><code>SpecialCond</code> - <code>SpecialCondition</code> is
      used to model ALI (Additional Information) segment in EAN</p>
      <p><code>InvoiceUnitPrice</code> is used to provide unit price
      information - 5118</p>
      <p><code>LineItemSubTotal</code> == Quantity * price </p>
      <p><code>Tax</code> == total tax calculated for this
      <code>InvoiceDetail</code></p>
    </explain>
    <model>
      <sequence>
        <element type="BaseItemDetail"/>
        <element type="SpecialCond" occurs="?"/>
      </sequence>
    </model>
  </elementtype>
</schema>
```

```
        <element type="Decimal18_3" name="InvoiceUnitPrice"/>
        <element type="Decimal18_3" name="LineItemSubTotal" occurs="?" />
        <element type="Tax" occurs="?" />
    </sequence>
</model>
</elementtype>

<elementtype name="ListOfInvoiceDetail">
    <model>
        <element type="InvoiceDetail" occurs="+" />
    </model>
</elementtype>

</schema>
```

InvoiceHeader.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Invoice Header</h1>

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    Copyright 1999 Commerce One, Inc.</p>
    <p>Permission is granted to use, copy, modify and distribute the
    DTD's, schemas and modules in the Commerce One Common Business
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    <p><code>InvoiceHeader</code> is used to specify references which
    relate to the whole invoice, for example, Purchase Order Numbers,
    Delivery Numbers, etc.</p>
    <p>I modeled these elements as type "string". The EAN/EDIFACT
    format is an..3 (up to 3 alpha numeric characters) this seems
    very constrained.</p>
    <p><code>InvoiceHeader</code> is based on SG1 in EAN/EDIFACT</p>
  </intro>

  <elementtype name="InvoiceHeader">
    <explain>
      <p><code>InvoiceDate</code> is the date this document was
      generated on</p>
      <p><code>ContractNumber</code> - CT</p>
      <p><code>PriceListNumber</code> - PL</p>
      <p><code>PriceListVersionNumber</code> - PI</p>
      <p><code>BuyersCatalogNumber</code> - AMW</p>
      <p><code>SupplierOrderNumber</code> - VN</p>
      <p><code>BuyerOrderNumber</code> - ON</p>
      <p><code>InvoiceCurrency</code> - the invoice is always in a
```

```
single currency</p>
</explain>
<model>
  <sequence>
    <element type="date" name="InvoiceDate" />
    <element type="date" name="DeliveryDate" occurs="?" />
    <element type="date" name="TaxPointDate" occurs="?" />
    <element type="string" name="ContractNumber" occurs="?" />
    <element type="string" name="PriceListNumber" occurs="?" />
    <element type="string" name="PriceListVersionNumber" occurs="?" />
    <element type="string" name="BuyersCatalogNumber" occurs="?" />
    <element type="string" name="SupplierOrderNumber" occurs="?" />
    <element type="string" name="BuyerOrderNumber" occurs="?" />
    <element type="CurrencyCode" name="InvoiceCurrency" />
  </sequence>
</model>
</elementtype>

</schema>
```


InvoiceParties.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Invoice Parties</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    DTD's, schemas and modules in the Commerce One Common Business
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    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p>The <code>InvoiceParties</code> segment identifies the names
    and addresses of the parties and their functions relevant to the
    invoice.</p>
    <p><code>InvoiceParties</code> is based on SG2 in EANCOM</p>
  </intro>

  <elementtype name="InvoiceParties">
    <explain>
      <p><code>Buyer</code> - BY</p>
      <p><code>Supplier</code> - SU</p>
      <p><code>CarrierInfo</code> - CA - party undertaking or
      arranging transport of goods between named points</p>
      <p><code>ShipFrom</code> - SF</p>
      <p><code>ShipTo</code> - ST</p>
      <p><code>DeliveryParty</code> - DP</p>
      <p><code>Invoicee</code> - IV</p>
      <p><code>Payee</code> - PE</p>
      <p><code></code> - </p>
      <p><code></code> - </p>
      <p><code></code> - </p>
    </explain>
  </elementtype>
</schema>
```

```
</explain>
<model>
  <sequence>
    <element type="NameAddress" name="Buyer" />
    <element type="NameAddress" name="Supplier" />
    <element type="NameAddress" name="CarrierInfo" occurs="?" />
    <element type="NameAddress" name="ShipFrom" occurs="?" />
    <element type="NameAddress" name="ShipTo" occurs="?" />
    <element type="NameAddress" name="DeliveryParty" occurs="?" />
    <element type="NameAddress" name="Invoicee" occurs="?" />
    <element type="NameAddress" name="Payee" occurs="?" />
  </sequence>
</model>
</elementtype>

</schema>
```

InvoiceSummary.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Invoice Summary</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>
  </intro>

  <elementtype name="InvoiceSummary">
    <explain>
      <p><code>SubTotal</code> - SG48</p>
      <p><code>Tax</code> - SG50</p>
    </explain>
    <model>
      <sequence>
        <element type="Decimal18_3" name="SubTotal"/>
        <element type="Tax"/>
        <element type="Decimal18_3" name="Total"/>
      </sequence>
    </model>
  </elementtype>

</schema>
```

KeyVal.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Keyword Value</h1>

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    <p><code>KeyVal</code> specifies a keyword/value pair.</p>
  </intro>

  <elementtype name="KeyVal">
    <explain>
      <p>The value in the keyword/value pair</p>
    </explain>
    <model>
      <string/>
    </model>
    <attdef datatype="LangCode" name="Lang">
      <explain>
        <p>Lang is an optional language specification. If not
        provided, it is assumed that the language is known by
        context.</p>
      </explain>
    </attdef>
    <attdef datatype="string" name="Keyword">
      <explain>
        <p>The Keyword.</p>
      </explain>
    </attdef>
  </elementtype>
</schema>
```

```
        </explain>
        <required/>
    </attdef>
</elementtype>

<elementtype name="ListOfKeyVal">
    <explain>
        <p>A container for a list of one or more <code>KeyVal</code></p>
    </explain>
    <model>
        <element type="KeyVal" occurs="+"/>
    </model>
</elementtype>

</schema>
```

LangCode.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0" >
<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0" >
  <intro>
    <h1>Language Code</h1>
    <p>Copyright Notice</p>
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    Copyright 1999 Commerce One, Inc.</p>
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    and modules in the Commerce One Common Business Library Version 2.0 subject to the terms
    and conditions specified at http://www.marketsite.net/xml/cbl/copyright.html</p>
    <p>
    The LangCode (language code) is the coded representation of names of languages.</p>
    <p>
    This code set is based on ISO 639-1988
    &quot;Codes for the Representation of Names of Languages.&quot;
    ISO 639-1988 is specified by UN/EDIFACT (D.99B) element 3453, language name code.</p>
    <p>
    The UN/CEFACT (UN/ECE) website can be found at http://www.unece.org/cefact/.
    The UN/EDIFACT website can be found at http://www.unece.org/trade/untdid/welcome.htm.</p>
  </intro>

  <datatype name="LangCode">
    <enumeration datatype="NMTOKEN">
      <explain><p>Afar</p></explain>          <option>aa</option>
      <explain><p>Abkhazian</p></explain>      <option>ab</option>
      <explain><p>Afrikaans</p></explain>      <option>af</option>
      <explain><p>Amharic</p></explain>         <option>am</option>
      <explain><p>Arabic</p></explain>         <option>ar</option>
      <explain><p>Assamese</p></explain>       <option>as</option>
      <explain><p>Aymara</p></explain>         <option>ay</option>
      <explain><p>Azerbaijani</p></explain>    <option>az</option>
      <explain><p>Bashkir</p></explain>        <option>ba</option>
      <explain><p>Byelorussian</p></explain>   <option>be</option>
      <explain><p>Bulgarian</p></explain>      <option>bg</option>
      <explain><p>Bihari</p></explain>         <option>bh</option>
    </enumeration>
  </datatype>
</schema>
```

<explain><p>Bislama</p></explain>	<option>bi</option>
<explain><p>Bengali; Bangla</p></explain>	<option>bn</option>
<explain><p>Tibetan</p></explain>	<option>bo</option>
<explain><p>Breton</p></explain>	<option>br</option>
<explain><p>Catalan</p></explain>	<option>ca</option>
<explain><p>Corsican</p></explain>	<option>co</option>
<explain><p>Czech</p></explain>	<option>cs</option>
<explain><p>Welsh</p></explain>	<option>cy</option>
<explain><p>Danish</p></explain>	<option>da</option>
<explain><p>German</p></explain>	<option>de</option>
<explain><p>Bhutani</p></explain>	<option>dz</option>
<explain><p>Greek</p></explain>	<option>el</option>
<explain><p>English</p></explain>	<option>en</option>
<explain><p>Esperanto</p></explain>	<option>eo</option>
<explain><p>Spanish</p></explain>	<option>es</option>
<explain><p>Estonian</p></explain>	<option>et</option>
<explain><p>Basque</p></explain>	<option>eu</option>
<explain><p>Persian</p></explain>	<option>fa</option>
<explain><p>Finnish</p></explain>	<option>fi</option>
<explain><p>Fiji</p></explain>	<option>fj</option>
<explain><p>Faroese</p></explain>	<option>fo</option>
<explain><p>French</p></explain>	<option>fr</option>
<explain><p>Frisian</p></explain>	<option>fy</option>
<explain><p>Irish</p></explain>	<option>ga</option>
<explain><p>Scots Gaelic</p></explain>	<option>gd</option>
<explain><p>Galician</p></explain>	<option>gl</option>
<explain><p>Guarani</p></explain>	<option>gn</option>
<explain><p>Gujarati</p></explain>	<option>gu</option>
<explain><p>Hausa</p></explain>	<option>ha</option>
<explain><p>Hebrew</p></explain>	<option>he</option>
<explain><p>Hindi</p></explain>	<option>hi</option>
<explain><p>Croatian</p></explain>	<option>hr</option>
<explain><p>Hungarian</p></explain>	<option>hu</option>
<explain><p>Armenian</p></explain>	<option>hy</option>
<explain><p>Interlingua</p></explain>	<option>ia</option>
<explain><p>Indonesian</p></explain>	<option>id</option>
<explain><p>Interlingue</p></explain>	<option>ie</option>
<explain><p>Inupiak</p></explain>	<option>ik</option>
<explain><p>Icelandic</p></explain>	<option>is</option>

<explain><p>Italian</p></explain>	<option>it</option>
<explain><p>Inuktitut</p></explain>	<option>iu</option>
<explain><p>Japanese</p></explain>	<option>ja</option>
<explain><p>Javanese</p></explain>	<option>jw</option>
<explain><p>Georgian</p></explain>	<option>ka</option>
<explain><p>Kazakh</p></explain>	<option>kk</option>
<explain><p>Greenlandic</p></explain>	<option>kl</option>
<explain><p>Cambodian</p></explain>	<option>km</option>
<explain><p>Kannada</p></explain>	<option>kn</option>
<explain><p>Korean</p></explain>	<option>ko</option>
<explain><p>Kashmiri</p></explain>	<option>ks</option>
<explain><p>Kurdish</p></explain>	<option>ku</option>
<explain><p>Kirghiz</p></explain>	<option>ky</option>
<explain><p>Latin</p></explain>	<option>la</option>
<explain><p>Lingala</p></explain>	<option>ln</option>
<explain><p>Laothian</p></explain>	<option>lo</option>
<explain><p>Lithuanian</p></explain>	<option>lt</option>
<explain><p>Latvian; Lettish</p></explain>	<option>lv</option>
<explain><p>Malagasy</p></explain>	<option>mg</option>
<explain><p>Maori</p></explain>	<option>mi</option>
<explain><p>Macedonian</p></explain>	<option>mk</option>
<explain><p>Malayalam</p></explain>	<option>ml</option>
<explain><p>Mongolian</p></explain>	<option>mn</option>
<explain><p>Moldavian</p></explain>	<option>mo</option>
<explain><p>Marathi</p></explain>	<option>mr</option>
<explain><p>Malay</p></explain>	<option>ms</option>
<explain><p>Maltese</p></explain>	<option>mt</option>
<explain><p>Burmese</p></explain>	<option>my</option>
<explain><p>Nauru</p></explain>	<option>na</option>
<explain><p>Nepali</p></explain>	<option>ne</option>
<explain><p>Dutch</p></explain>	<option>nl</option>
<explain><p>Norwegian</p></explain>	<option>no</option>
<explain><p>Occitan</p></explain>	<option>oc</option>
<explain><p>(Afan) Oromo</p></explain>	<option>om</option>
<explain><p>Oriya</p></explain>	<option>or</option>
<explain><p>Punjabi</p></explain>	<option>pa</option>
<explain><p>Polish</p></explain>	<option>pl</option>
<explain><p>Pashto, Pushto</p></explain>	<option>ps</option>
<explain><p>Portuguese</p></explain>	<option>pt</option>

<explain><p>Quechua</p></explain>
<explain><p>Rhaeto-Romance</p></explain>
<explain><p>Kirundi</p></explain>
<explain><p>Romanian</p></explain>
<explain><p>Russian</p></explain>
<explain><p>Kinyarwanda</p></explain>
<explain><p>Sanskrit</p></explain>
<explain><p>Sindhi</p></explain>
<explain><p>Sangho</p></explain>
<explain><p>Serbo-Croatian</p></explain>
<explain><p>Singhalese</p></explain>
<explain><p>Slovak</p></explain>
<explain><p>Slovenian</p></explain>
<explain><p>Samoan</p></explain>
<explain><p>Shona</p></explain>
<explain><p>Somali</p></explain>
<explain><p>Albanian</p></explain>
<explain><p>Serbian</p></explain>
<explain><p>Siswati</p></explain>
<explain><p>Sesotho</p></explain>
<explain><p>Sundanese</p></explain>
<explain><p>Swedish</p></explain>
<explain><p>Swahili</p></explain>
<explain><p>Tamil</p></explain>
<explain><p>Telugu</p></explain>
<explain><p>Tajik</p></explain>
<explain><p>Thai</p></explain>
<explain><p>Tigrinya</p></explain>
<explain><p>Turkmen</p></explain>
<explain><p>Tagalog</p></explain>
<explain><p>Setswana</p></explain>
<explain><p>Tonga</p></explain>
<explain><p>Turkish</p></explain>
<explain><p>Tsonga</p></explain>
<explain><p>Tatar</p></explain>
<explain><p>Twi</p></explain>
<explain><p>Uigur</p></explain>
<explain><p>Ukrainian</p></explain>
<explain><p>Urdu</p></explain>

<option>qu</option>
<option>rm</option>
<option>rn</option>
<option>ro</option>
<option>ru</option>
<option>rw</option>
<option>sa</option>
<option>sd</option>
<option>sg</option>
<option>sh</option>
<option>si</option>
<option>sk</option>
<option>sl</option>
<option>sm</option>
<option>sn</option>
<option>so</option>
<option>sq</option>
<option>sr</option>
<option>ss</option>
<option>st</option>
<option>su</option>
<option>sv</option>
<option>sw</option>
<option>ta</option>
<option>te</option>
<option>tg</option>
<option>th</option>
<option>ti</option>
<option>tk</option>
<option>tl</option>
<option>tn</option>
<option>to</option>
<option>tr</option>
<option>ts</option>
<option>tt</option>
<option>tw</option>
<option>ug</option>
<option>uk</option>
<option>ur</option>

```
<explain><p>Uzbek</p></explain>
<explain><p>Vietnamese</p></explain>
<explain><p>Volapuk</p></explain>
<explain><p>Wolof</p></explain>
<explain><p>Xhosa</p></explain>
<explain><p>Yiddish</p></explain>
<explain><p>Yoruba</p></explain>
<explain><p>Zhuang</p></explain>
<explain><p>Chinese</p></explain>
<explain><p>Zulu</p></explain>
</enumeration>
</datatype>
</schema>
```

```
<option>uz</option>
<option>vi</option>
<option>vo</option>
<option>wo</option>
<option>xh</option>
<option>yi</option>
<option>yo</option>
<option>za</option>
<option>zh</option>
<option>zu</option>
```

LangString.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Language String</h1>

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    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p>A <code>LangString</code> is a String with an optional Language
    specification.  If the Language is not provided, it is assumed that
    the language is known from the context in which the
    <code>LangString</code> is used.</p>
  </intro>

  <elementtype name="LangString">
    <model>
      <string/>
    </model>
    <attdef datatype="LangCode" name="Lang">
    </attdef>
  </elementtype>

  <elementtype name="ListOfLangString">
    <explain>
      <p>A container for a list of one or more
      <code>LangString</code>.</p>
    </explain>
    <model>
```

```
        <element type="LangString" occurs="+"/>
      </model>
    </elementtype>
</schema>
```

LineItem.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Line Item</h1>

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    <p>This is the order line item component.</p>
  </intro>

  <elementtype name="LineItem">
    <explain>
      <p><code>ItemNum</code> is a <code>PartKey</code>,
      <code>UPC</code> or <code>EN</code> code</p>
    </explain>
    <model>
      <sequence>
        <element name="LineItemNum" type="int"/>
        <element name="ItemNum" type="string" occurs="?"/>
      </sequence>
    </model>
    <attdef name="ItemNumType_a" datatype="ItemNumType">
      <required/>
    </attdef>
  </elementtype>

</schema>
```

Measurement.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Measurement</h1>

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    <p>A <code>Measurement</code> encapsulates the measurement of some
    physical quantity. A measurement has a value (eg. 7.00), a
    measurement unit (eg. Feet), and an equality indicator (equal to,
    greater than etc.).</p>
    <p>In XML, a simple Measurement may be:</p>
      <p><code>&lt;Size UnitOfMeasure="FOT"&gt;</code><br/>
      6.1<br/>
      <code>&lt;/Size&gt;</code></p>
    <p>A more complex <code>Measurement</code> may be (indicating a
    measurement greater than or equal to 6.3 feet):</p>
      <p><code>&lt;Size Equality="GT" UnitOfMeasure="FOT"&gt;</code><br/>
      6.3<br/>
      &lt;/Size&gt;</p>
  </intro>

  <elementtype name="Measurement">
    <explain>
      <p>The measured value.</p>
    </explain>
    <model>
```

```
    <string datatype="Decimal18_3"/>
  </model>
  <attdef datatype="UOMCode" name="UnitOfMeasure">
    <explain>
      <p>The <code>MeasUnit</code> provides the unit of
        measurement (eg, feet or meters).</p>
    </explain>
    <required/>
  </attdef>
  <attdef datatype="EqualityCode" name="Equality">
    <explain>
      <p>The relationship of the property being measured to the
        supplied measured value. Signifies whether the property
        is Equal to, less than, etc. the value.</p>
    </explain>
  </attdef>
</elementtype>

</schema>
```

Money.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Money</h1>

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    <p>Express a monetary amount in a specified currency. The currency
    is optional (in which case it must be derivable from context).</p>
    <p>Use the <code>CurrencyOther</code> attribute to specify monetary
    amounts in nonstandard "currencies" such as airline miles.</p>
  </intro>

  <elementtype name="Money">
    <model>
      <string datatype="Decimal15_4"/>
    </model>
    <attdef datatype="CurrencyCode" name="Currency">
    </attdef>
    <attdef datatype="string" name="CurrencyOther">
      <explain>
        <p>Some systems can deal with "currency" that is not issued
        by a country. For example, airline miles may be considered
        a form of money. By mutual agreement between a buyer and
        seller, a <code>CurrencyOther</code> may be specified to
        indicate a non-traditional form of money. For example
        <code>CurrencyOther="MightySaverPoints"</code> might
```



```
        indicate that MightySaver bonus points are
        being used in this transaction.</p>
    </explain>
</attdef>
</elementtype>

</schema>
```

MoneyRange.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Money Range</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    <p>A <code>MoneyRange</code> is a <code>Range</code> that includes
    a <code>CurrencyCode</code>.</p>
  </intro>

  <elementtype name="MoneyRange">
    <extends type="Range">
      <attdef datatype="CurrencyCode" name="Currency">
        <explain>
          <p><code>CurrencyCode</code> for the <code>Range</code>
          may be specified. If not specified, it is assumed the
          <code>Currency</code> can be determined from context.</p>
        </explain>
      </attdef>
    </extends>
  </elementtype>

</schema>
```

NameAddress.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Name Address</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p>This is the SOX version of EDIFACT-based <code>NAD</code>.
    Party's qualifier is equivalent to OBI's <code>EntityCode</code>.</p>
  </intro>

  <elementtype name="NameAddress">
    <explain>
      <p><code>Identifier</code> - e.g. Dun and Bradstreet ID,
      EANCOM's ID, etc.</p>
      <p><code>Name2</code> - Specifies additional ship-to or
      requisitioner information such as "Desktop Delivery" or
      "Attention." This information is required for N2, but not
      for this <code>Address</code> structure.</p>
      <p><code>Name3</code> - Specifies additional ship-to or
      requisitioner information such as "Desktop Delivery" or
      "Attention."</p>
      <p><code>Country</code> - ISO 3166 Two-character code
      OBI: N404 2- to 3-character code for the country</p>
    </explain>
    <model>
      <sequence>
```

```
<element type="Identifier" occurs="?" />
<element type="string" name="Name1" />
<element type="string" name="Name2" occurs="?" />
<element type="string" name="Name3" occurs="?" />
<element type="string" name="Address1" />
<element type="string" name="Address2" occurs="?" />
<element type="string" name="Address3" occurs="?" />
<element type="string" name="Address4" occurs="?" />
<element type="string" name="Address5" occurs="?" />
<element type="string" name="City" />
<element type="string" name="StateOrProvince" />
<element type="string" name="PostalCode" />
<element type="CountryCode" name="Country" />
</sequence>
</model>
</elementtype>

</schema>
```

Note.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Note</h1>

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    <p>To provide free form text information as note or special
    instruction. In the future, we can use Coded Note.</p>
  </intro>

  <elementtype name="Note">
    <explain>
      <p>OBI: NTE021- to 60 character free form text for
      instructions.</p>
    </explain>
    <model>
      <string/>
    </model>
  </elementtype>

</schema>
```

OrderDetail.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Variance Quantity</h1>

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    <p><code>VarianceQuantity</code> is used when you want to specify
    <code>BackOrder</code> quantity.</p>
  </intro>

  <elementtype name="OrderDetail">
    <explain>
      <p><code>BaseItemDetail</code> - Base Item Detail is a reusable
      component that is shared by <code>PurchaseOrder</code>,
      <code>PurchaseOrder</code> <code>Response</code>,
      <code>Invoice</code>, <code>OrderStatus</code>,
      <code>Price</code> and <code>Availability Check</code>.</p>
      <p><code>SpecialHandlingNote</code> - Free form note at the
      detail level</p>
      <p><code>OrderDetailAttachment</code> - the attachment of the
      order header</p>
    </explain>
    <model>
      <sequence>
        <element type="BaseItemDetail"/>
        <element type="string" name="SpecialHandlingNote" occurs="?" />
      </sequence>
    </model>
  </elementtype>
</schema>
```

```
        <element type="string" name="GeneralNote" occurs="?" />
        <element type="datetime" name="RequestedDeliveryDate" occurs="?" />
        <element type="datetime" name="ShipByDate" occurs="?" />
        <element type="Tax" occurs="?" />
        <element type="ListOfAllowOrCharge" occurs="?" />
        <element type="Price" name="BuyerExpectedUnitPrice" />
        <element type="ListOfAttachment" name="OrderDetailAttachment" occurs="?" />
    </sequence>
</model>
</elementtype>

<elementtype name="ListOfOrderDetail">
    <model>
        <element type="OrderDetail" occurs="+" />
    </model>
</elementtype>

</schema>
```

OrderHeader.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Order Header</h1>

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    <p>OBI Note:<br/>
    <code>InvoiceType</code> (BEG08) is embedded inside the <code>Payment</code> component.<br/>
    <code>PartLocation</code> is used when a supplier has multiple warehouses.<br/>
    <code>BuyerRefNum</code> is the Buyer's PO Number.<br/>
    <code>SupplierRefNum</code> is the Supplier's Sales Order Number.</p>
  </intro>

  <elementtype name="OrderHeader">
    <explain>
      <p><code>RequestedDeliveryDate</code> -
      OBI: DTM01 M ID 3/3 002 - requested delivery date
      DTM02 C DT 6/6 YYMMDD</p>
      <p><code>OrderReference</code> consists of <code>AccountCode</code>,
      Buyer's <code>OrderNumber</code>, etc.</p>
      <p><code>OrderParty</code> consists of <code>BuyerParty</code>,
      <code>SupplierParty</code>, <code>ShipToParty</code>, etc.</p>
      <p><code>OrderCurrency</code> - This currency will be used for
      whole <code>PurchaseOrder</code> unless it is overridden.</p>
      <p><code>OrderLanguage</code> - This language will be used for
      whole <code>PurchaseOrder</code> unless it is overridden.</p>
    </explain>
  </elementtype>
</schema>
```



```

    <p><code>PartialShipmentAllowed</code> - Buyer's willingness
    to accept partial shipment.</p>
    <p><code>SpecialHandlingNote</code> - OBI: NTE01 0 ID 3/3<br/>
    SPH - special handling instructions<br/>
    GEN - other instructions</p>
    <p><code>OrderHeaderAttachment</code> - the attachment of the
    order header</p>
  </explain>
  <model>
    <sequence>
      <element type="datetime" name="POIssuedDate"/>
      <element type="datetime" name="RequestedDeliveryDate"/>
      <element type="datetime" name="ShipByDate" occurs="?"/>
      <element type="OrderReference"/>
      <element type="OrderParty"/>
      <element type="Tax" occurs="?"/>
      <element type="CurrencyCode" name="OrderCurrency"/>
      <element type="LangCode" name="OrderLanguage"/>
      <element type="Payment" occurs="?"/>
      <element type="ListOfAllowOrCharge" occurs="?"/>
      <element type="boolean" name="PartialShipmentAllowed"/>
      <element type="string" name="SpecialHandlingNote" occurs="?"/>
      <element type="string" name="GeneralNote" occurs="?"/>
      <element type="string" name="PartLocation" occurs="?"/>
      <element type="Transport" occurs="?"/>
      <element type="TermOfDelivery" occurs="?"/>
      <element type="ListOfAttachment" name="OrderHeaderAttachment" occurs="?"/>
    </sequence>
  </model>
</elementtype>

</schema>

```

OrderParty.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Order Party</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    <p>A collection of <code>Partys</code> that are used by
    <code>PurchaseOrder</code>, <code>OrderResponse</code>,
    <code>OrderStatus</code> and <code>OrderStatusResponse</code>.
    <code>PartyCoded</code> (<code>Party</code> with qualifier)
    is used to express any other <code>Party</code>.</p>
  </intro>

  <elementtype name="OrderParty">
    <model>
      <sequence>
        <element type="Party" name="BuyerParty"/>
        <element type="Party" name="SupplierParty"/>
        <element type="Party" name="ShipToParty" occurs="?" />
        <element type="Party" name="BillToParty" occurs="?" />
        <element type="ListOfPartyCoded" occurs="?" />
      </sequence>
    </model>
  </elementtype>

</schema>
```

OrderReference.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Order Reference</h1>

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    DTD's, schemas and modules in the Commerce One Common Business
    Library Version 2.0 subject to the terms and conditions specified
    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p>A collection of references that are used by
    <code>PurchaseOrder</code>, <code>OrderResponse</code>,
    <code>OrderStatus</code> and <code>OrderStatusResponse</code>.
    <code>ReferenceCoded</code> (<code>Reference</code> with qualifier)
    is used to express any other references.</p>
  </intro>

  <elementtype name="OrderReference">
    <explain>
      <p><code>AccountCode</code> is the agreement number between a
      buyer and a supplier. An account may contain several contracts
      in it.</p>
      <p><code>BuyerRefNum</code> is Buyer's Purchase Order Num.</p>
      <p><code>SupplierRefNum</code> is <code>SupplierOrderNum</code>
      or <code>SuppliersSalesOrderNum</code>.</p>
      <p><code>ListOfReferenceCoded</code> - This is used for other
      references that a buyer want to provide to supplier, such as
      Buyer Catalog Reference Number.</p>
    </explain>
    <model>
```

```
<sequence>
  <element type="Reference" name="AccountCode" />
  <element type="Reference" name="BuyerRefNum" />
  <element type="Reference" name="SupplierRefNum" occurs="?" />
  <element type="ListOfReferenceCoded" occurs="?" />
</sequence>
</model>
</elementtype>

</schema>
```

OrderResponseDetail.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Order Response Detail</h1>

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    <p>Order Response Detail extends Order Detail.  Buying Application
    can use the <code>VarianceQuantity</code> to determine the Onhand
    Quantity and <code>BackOrderedQuantity</code>.
    <code>VarianceQuantity</code> is used when you want to specify
    <code>BackOrder</code> quantity.</p>
    <p>In other word Variance Quantity specify the difference between
    what the supplier is able to ship relative to the requested
    quantity.</p>
  </intro>

  <elementtype name="OrderResponseDetail">
    <explain>
      <p><code>SupplierExpectedUnitPrice</code> - This is the price
      that supplier expect for this particular item</p>
      <p><code>PriceErrorInfo</code> - optional error info related
      to price</p>
      <p><code>AvailabilityErrorInfo</code> - optional error info
      related to quantity</p>
      <p><code>SupplierNote</code> - free text form that may contain
      additional info from supplier to buyer</p>
    </explain>
  </elementtype>
</schema>
```

```
</explain>
<extends type="OrderDetail">
  <append>
    <element type="VarianceQuantity" occurs="?" />
    <element type="Price" name="SupplierExpectedUnitPrice" occurs="?" />
    <element type="ErrorInfo" name="PriceErrorInfo" occurs="?" />
    <element type="ErrorInfo" name="AvailabilityErrorInfo" occurs="?" />
    <element type="string" name="SupplierNote" occurs="?" />
  </append>
</extends>
</elementtype>

<elementtype name="ListOfOrderResponseDetail">
  <model>
    <element type="OrderResponseDetail" occurs="+" />
  </model>
</elementtype>

</schema>
```

OrderResponseHeader.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Order Response Header</h1>

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    <p>This is the Order Response Header which extends the Order
    Header.</p>
  </intro>

  <elementtype name="OrderResponseHeader">
    <explain>
      <p><code>ActionRequestOrNotification</code> - The status of
      the order.</p>
      <p><code>SupplierNote</code> - Any free text note from supplier
      to buyer.</p>
    </explain>
    <extends type="OrderHeader">
      <append>
        <element type="ActionRequestNotification" name="ActionRequestOrNotification"/>
        <element type="string" name="SupplierNote" occurs="?" />
      </append>
    </extends>
  </elementtype>

</schema>
```

OrderResponseSummary.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Order Response Summary</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    <p>This is the Order Response Header which extends the Order
    Header.</p>
  </intro>

  <elementtype name="OrderResponseSummary">
    <explain>
      <p>If <code>OrderResponseErrorInfo</code> exists then the
      caller must check it before processing the header or detail.
      For example, if the PO is a duplicate or the account code is
      not correct, the <code>SalesOrderService</code> will fill in
      this error info with appropriate error code.</p>
    </explain>
    <extends type="OrderSummary">
      <append>
        <element type="ErrorInfo" name="OrderResponseErrorInfo" occurs="?" />
      </append>
    </extends>
  </elementtype>

</schema>
```


OrderStatusDetail.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Order Status Detail</h1>

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    <p>OSTENQ: SG3<br/>
    This segment is used to identify the document(s) for which status
    information is being requested.</p>
  </intro>

  <elementtype name="OrderStatusDetail">
    <explain>
      <p><code>OrderReference</code> - OSTENQ: DOC<br/>
      This segment is used to identify the document(s) for which
      status information is being requested.</p>
      <p><code>OrderDate</code> - OSTENQ: DTM<br/>
      This segment is used to specify dates relating to the
      references given in the previous DOC segment.</p>
      <p><code>??</code> - OSTENQ: SG4<br/>
      This segment is used to identify a product on an order upon
      which an enquiry is being made and must be extended to add the
      appropriate item.</p>
      <p>Note: this segment will be occurs="*" because we want to be
      able to handle order status inquiries without the line items
      if we want</p>
    </explain>
  </elementtype>
</schema>
```

```
    <p>*** need to extend and append line item here in
    implementation as the status result need to append Status to
    this for response docs</p>
  </explain>
  <model>
    <sequence>
      <element type="OrderReference"/>
      <element type="datetime" name="OrderDate"/>
    </sequence>
  </model>
</elementtype>

</schema>
```

OrderStatusHeader.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Order Status Header</h1>

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    <p>OSTENQ: SG1<br/>
    This segment is used to identify the parties involved in the
    order status enquiry message. Identification of the buyer, or
    buyer's agent, and the supplier, or supplier's agent, is mandatory
    in the order status enquiry message. A logistic service provider
    may act as an agent for a buyer or a supplier.</p>
  </intro>

  <elementtype name="ListOfNote">
    <explain>
      <p>Container for Note</p>
    </explain>
    <model>
      <element type="Note" occurs="+"/>
    </model>
  </elementtype>

  <elementtype name="OrderStatusHeader">
    <explain>
      <p><code>OrderStatusDate</code> - OSTENQ: DTM</p>
    </explain>
  </elementtype>
</schema>
```

```
    <p><code>OrderParty</code> - OSTENQ: NAD</p>
    <p><code>ListOfNote</code> - OSTENQ: FTX</p>
  </explain>
  <model>
    <sequence>
      <element type="datetime" name="OrderStatusDate"/>
      <element type="OrderParty"/>
      <element type="ListOfNote" occurs="?" />
    </sequence>
  </model>
</elementtype>

</schema>
```

OrderStatusItem.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Variance Quantity</h1>

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    <p>OSTENQ: SG4</p>
    <p>This segment is used to identify a product on an order upon
    which an enquiry is being made.</p>
    <p><code>VarianceQuantity</code> is used when you want to specify
    <code>BackOrder</code> quantity.</p>
  </intro>

  <elementtype name="OrderStatusItem">
    <explain>
      <p><code>BaseItemDetail</code> - The base of any item.</p>
      <p><code>VarianceQuantity</code> indicates a backorder
      quantity.</p>
    </explain>
    <model>
      <sequence>
        <element type="BaseItemDetail"/>
        <element type="VarianceQuantity"/>
      </sequence>
    </model>
  </elementtype>
```

</schema>

OrderStatusRequest.sox

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Order Status Request</h1>

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    <p>Order Status Request document</p>
  </intro>

  <elementtype name="ListOfOrderStatusItem">
    <explain>
      <p>container for <code>OrderStatusItem</code></p>
    </explain>
    <model>
      <element type="OrderStatusItem" occurs="+"/>
    </model>
  </elementtype>

  <comment>**** ASSEMBLE THE REQUEST DOCUMENTS ****</comment>

  <elementtype name="OrderStatusDetailRequest">
    <extends type="OrderStatusDetail">
      <append>
        <element type="ListOfOrderStatusItem" occurs="?"/>
      </append>
    </extends>
  </elementtype>
</schema>
```

```
</elementtype>

<elementtype name="ListOfOrderStatusDetailRequest">
  <explain>
    <p>container for <code>OrderStatusDetailRequest</code></p>
  </explain>
  <model>
    <element type="OrderStatusDetailRequest" occurs="+"/>
  </model>
</elementtype>

<elementtype name="OrderStatusRequest">
  <explain>
    <p><code>OrderStatusHeader</code> - contact information</p>
    <p><code>ListOfOrderStatusDetailRequest</code> - statuses
    can be requested on multiple orders</p>
  </explain>
  <model>
    <sequence>
      <element type="OrderStatusHeader"/>
      <element type="ListOfOrderStatusDetailRequest" occurs="?" />
    </sequence>
  </model>
</elementtype>

</schema>
```


OrderStatusResult.sox

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Order Status Result</h1>

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    <p>Order Status Result document</p>
  </intro>

  <comment>**** ASSEMBLE THE RESULT DOCUMENTS ****</comment>

  <elementtype name="OrderStatusItemResult">
    <explain>
      <p>Append status to the item.</p>
      <p><code>ErrorInfo</code> - Exists only if there is an error
      condition.</p>
    </explain>
    <extends type="OrderStatusItem">
      <append>
        <element type="Status"/>
        <element type="ErrorInfo" occurs="?"/>
      </append>
    </extends>
  </elementtype>

  <elementtype name="ListOfOrderStatusItemResult">
```

```

    <explain>
      <p>Container for <code>OrderStatusItemResult</code>.</p>
    </explain>
  </model>
  <element type="OrderStatusItemResult" occurs="+"/>
</model>
</elementtype>

<elementtype name="OrderStatusDetailResult">
  <explain>
    <p><code>OrderStatusDate</code> - Order Status Date.</p>
    <p><code>Status</code> - Order Status.</p>
    <p><code>ErrorInfo</code> - Exists only if there is an error
    condition.</p>
  </explain>
  <extends type="OrderStatusDetail">
    <append>
      <element type="datetime" name="OrderStatusDate"/>
      <element type="Status"/>
      <element type="ErrorInfo" occurs="?"/>
      <element type="ListOfOrderStatusItemResult" occurs="?"/>
    </append>
  </extends>
</elementtype>

<elementtype name="ListOfOrderStatusDetailResult">
  <explain>
    <p>Container for <code>OrderStatusDetailResult</code>.</p>
  </explain>
  </model>
  <element type="OrderStatusDetailResult" occurs="+"/>
</model>
</elementtype>

<elementtype name="OrderStatusCheckSummary">
  <explain>
    <p><code>OrderStatusCheckItemErrors</code> - If there are
    item errors present in the list of items this will indicate
    the number of errors. Otherwise this value will be 0.</p>
  </explain>

```

```

        <p><code>OrderStatusSummaryErrorInfo</code> - if filled
        then there is an error.</p>
    </explain>
    <model>
        <sequence>
            <element type="int" name="OrderStatusCheckItemErrors"/>
            <element type="ErrorInfo" name="OrderStatusSummaryErrorInfo" occurs="?" />
        </sequence>
    </model>
</elementtype>

<elementtype name="OrderStatusResult">
    <explain>
        <p><code>OrderStatusCheckSummary</code> - info about the
        number of errors in the result</p>
    </explain>
    <model>
        <sequence>
            <element type="OrderStatusHeader"/>
            <element type="ListOfOrderStatusDetailResult" occurs="?" />
            <element type="OrderStatusCheckSummary"/>
        </sequence>
    </model>
</elementtype>

</schema>

```

OrderSummary.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Order Summary</h1>

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    <p>EDIFACT Order Summary Section</p>
  </intro>

  <elementtype name="OrderSummary">
    <model>
      <sequence>
        <element type="Decimal18_3" name="TotalAmount"/>
        <element type="int" name="TotalLineNum" occurs="?" />
      </sequence>
    </model>
  </elementtype>

</schema>
```

Package.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Package</h1>

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    <p>Package information includes information about one product
    package (possibly in a set of packages for the product).</p>
    <p>The information includes special markings on the package and
    the information about the type of packaging. For example,
    returnable packaging could be noted here (in the
    <code>PackageType</code> field.)</p;
  </intro>

  <elementtype name="Package">
    <explain>
      <p><code>ListOfPackageInfo</code> - Coded packaging
      information. This includes things like <code>BarCoding</code>
      and other information that might be on the package.</p>
      <p><code>ListOfPackageType</code> - Package type information.
      This includes things like whether the Package has a deposit.</p>
      <p><code>ListOfDimension</code> - Package Dimensions.</p>
      <p><code>ListOfPackageMark</code> - Coded package markings.</p>
      <p><code>MarkText</code> - Free text package markings. These
      may be in several languages. There may be multiple occurrences
      for a single language.</p>
    </explain>
  </elementtype>
</schema>
```

```

</explain>
<model>
  <sequence>
    <element type="ListOfPackageInfo" occurs="?" />
    <element type="ListOfPackageType" occurs="?" />
    <element type="ListOfDimension" occurs="?" />
    <element type="ListOfPackageMark" occurs="?" />
    <element type="ListOfLangString" name="MarkText" occurs="?" />
  </sequence>
</model>
</elementtype>

<elementtype name="PackageInfo">
  <explain>
    <p>A <code>PackageInfo</code> element contains one
    <code>PackageInfoCode</code>.</p>
  </explain>
  <model>
    <string datatype="PackageInfoCode" />
  </model>
</elementtype>

<elementtype name="PackageMark">
  <explain>
    <p>A <code>PackageInfo</code> element contains one
    <code>PackageMarkCode</code>.</p>
  </explain>
  <model>
    <string datatype="PackageMarkCode" />
  </model>
</elementtype>

<datatype name="PackageInfoCode">
  <explain>
    <p>Code for packaging related information. Derived from
    EANCOM code set 7233.</p>
  </explain>
  <enumeration datatype="NMTOKEN">
    <option>EAN8OrEAN13Barcoded</option>

```

```

        <option>ITF14OrITF6Barcoded</option>
        <option>UCCOrEAN128Barcoded</option>
        <option>ADR</option>
    </enumeration>
</datatype>

<datatype name="PackageMarkCode">
    <explain>
        <p>Code indicating how a package should be marked. This
        is derived from EANCOM code list 4233.</p>
    </explain>
    <enumeration datatype="NMOKEN">
        <option>NoSupplierName</option>
        <option>CustomerCoName</option>
        <option>CustomerRefs</option>
        <option>MinorDanger</option>
        <option>Price</option>
    </enumeration>
</datatype>

<elementtype name="ListOfPackageInfo">
    <explain>
        <p>A container for a list of one or more
        <code>PackageInfo</code>.</p>
    </explain>
    <model>
        <element type="PackageInfo" occurs="+"/>
    </model>
</elementtype>

<elementtype name="ListOfPackageMark">
    <explain>
        <p>A container for a list of one or more
        <code>PackageMark</code>.</p>
    </explain>
    <model>
        <element type="PackageMark" occurs="+"/>
    </model>
</elementtype>

```

```
<elementtype name="ListOfPackage">
  <explain>
    <p>A container for a list of one or more
    <code>Package</code>.</p>
  </explain>
  <model>
    <element type="Package" occurs="+"/>
  </model>
</elementtype>
```

```
</schema>
```


PackageType.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Package Type</h1>

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    <p>Packaging information includes the number of packages and any
    special information about the packaging.</p>
  </intro>

  <elementtype name="PackageType">
    <explain>
      <p><code>TypeCode</code> - Coded package type.</p>
      <p><code>TypeCodeOther</code> - If <code>TypeCode</code> is
      <code>Other</code>, a <code>TypeCode</code> should be
      specified as text in <code>TypeCodeOther</code>.</p>
      <p><code>CodeList</code> - The name of a <code>CodeList</code>
      may be specified.</p>
      <p><code>Agency</code> - The agency responsible for the
      codelist.</p>
      <p><code>ListOfDescription</code> - Free text descriptive info
      about the packaging type. This may be provided in multiple
      languages (but no more than one entry for a given language.)</p>
    </explain>
    <model>
      <sequence>
```

```

        <element type="PackageTypeCode" name="TypeCode"/>
        <element type="string" name="TypeCodeOther" occurs="?"/>
        <element type="string" name="CodeList" occurs="?"/>
        <element type="Agency" occurs="?"/>
        <element type="ListOfDescription" occurs="?"/>
    </sequence>
</model>
</elementtype>

<datatype name="PackageTypeCode">
    <explain>
        <p>Code for packaging related information. Derived from
        EANCOM code set 7065.</p>
    </explain>
    <enumeration datatype="NMTOKEN">
        <option>None</option>
        <option>Other</option>
        <option>OnewayPallet</option>
        <option>ReturnablePallet</option>
        <option>Barrel</option>
    </enumeration>
</datatype>

<datatype name="PackageCodeAgency">
    <explain>
        <p>Agency responsible for package type code list. This is
        derived from EANCOM code list 3055.</p>
    </explain>
    <enumeration datatype="NMTOKEN">
        <option>CEC</option>
        <option>IATA</option>
        <option>ISO</option>
    </enumeration>
</datatype>

<elementtype name="ListOfPackageType">
    <explain>
        <p>A container for a list of one or more
        <code>Category</code>.</p>

```

```
        </explain>
        <model>
            <element type="PackageType" occurs="+"/>
        </model>
    </elementtype>

</schema>
```

PartNum.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Part Number</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    DTD's, schemas and modules in the Commerce One Common Business
    Library Version 2.0 subject to the terms and conditions specified
    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p>A <code>PartNum</code> identifies a part by a <code>PartID</code>
    and the agency that issued that part number.</p>
    <p>In typical use, it is referenced in a document definition as:</p>
      <p><code>&lt;element type="PartNum"&gt;</code></p>
    <p>If the <code>Agency</code> that issued the part number is
    selected from a list of standard agencies, the XML instance for
    this will look like this:</p>
      <p><code>&lt;PartNum&gt;</code><br/>
      <code>&lt;Agency AgencyID="CommerceOne" /&gt;</code><br/>
      <code>&lt;PartID&gt;</code>123456<code>&lt;/PartID&gt;</code><br/>
      <code>&lt;/PartNum&gt;</code></p>
    <p>If the <code>Agency</code> is non-standard, the XML will look
    like this:</p>
      <p><code>&lt;PartNum&gt;</code><br/>
      <code>&lt;Agency AgencyOther="My Agency" /&gt;</code><br/>
      <code>&lt;PartID&gt;</code>123456<code>&lt;/PartID&gt;</code><br/>
      <code>&lt;/PartNum&gt;</code></p>
    <p>Some Agency's may support a Part Number extension. This can
    be thought of as a logical extension of the Part Number. An XML
    instance may look something like this:</p>
```

```

        <p><code>&lt;PartNum&gt;</code><br/>
          <code>&lt;Agency AgencyID="AssignedBySupplier" /&gt;</code><br/>
          <code>&lt;PartID&gt;</code>123456<code>&lt;/PartID&gt;</code><br/>
          <code>&lt;PartIDExt&gt;</code>A<code>&lt;/PartIDExt&gt;</code><br/>
        <code>&lt;/PartNum&gt;</code>.</p>
</intro>

<elementtype name="PartNum">
  <explain>
    <p><code>Agency</code> - The Agency that named the part.</p>
    <p><code>PartID</code> - The <code>PartID</code> is the name
    by which the part is known. This uniquely identifies the part
    in the Agency's part numbering scheme.</p>
    <p><code>PartIDExt</code> - An extension to the
    <code>PartID</code>. For example a <code>Supplier</code> may
    have a <code>PartID</code> "12345", with a <code>PartIDExt</code>
    of "A".</p>
  </explain>
  <model>
    <sequence>
      <element type="Agency"/>
      <element type="string" name="PartID"/>
      <element type="string" name="PartIDExt" occurs="?"/>
    </sequence>
  </model>
</elementtype>

<elementtype name="ListOfPartNum">
  <explain>
    <p>A container for a list of one or more
    <code>PartNum</code>.</p>
  </explain>
  <model>
    <element type="PartNum" occurs="+"/>
  </model>
</elementtype>

</schema>

```

PartTreeNode.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Part Tree Node</h1>

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    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p><code>PartTreeNode</code> describes a part in relation to a
    hierarchy of parts. This part can be designated as either the
    parent or child of other parts. In addition, the quantity of this
    part that is contained in a parent, can be specified.</p>
  </intro>

  <elementtype name="PartTreeNode">
    <explain>
      <p><code>PartNum</code> - The <code>Part</code> we are a child
      or parent of.</p>
      <p><code>ListOfQuantity</code> - Quantity information related
      to this part. The most common type of quantity in a hierarchy
      is the quantity of this part contained by the parent. This can
      be specified with the "<code>UnitsInParent</code>" qualifier in
      the <code>Quantity</code> element.</p>
      <p><code>ListOfProdAttribute</code> - Technical attributes of
      the hierarchy.</p>
    </explain>
    <model>
      <sequence>
```

```

        <element type="PartNum"/>
        <element type="ListOfQuantity" occurs="?" />
        <element type="ListOfProdAttribute" occurs="?" />
    </sequence>
</model>
<attdef datatype="ParentChild" name="Relation">
<explain>
    <p>Determines whether this node is a parent of or child of the
    <code>PartNum</code>. Specify <code>Parent</code> if this part
    is a parent of <code>PartNum</code>, and <code>Child</code> if
    it is a child of <code>PartNum</code>.</p>
</explain>
    <required/>
</attdef>
</elementtype>

<datatype name="ParentChild">
    <explain>
        <p>Specification of a parent or child relationship.</p>
    </explain>
    <enumeration datatype="NMTOKEN">
        <option>ParentOf</option>
        <option>ChildOf</option>
    </enumeration>
</datatype>

<elementtype name="ListOfPartTreeNode">
    <explain>
        <p>A container for a list of one or more
        <code>PartTreeNode</code>.</p>
    </explain>
    <model>
        <element type="PartTreeNode" occurs="+" />
    </model>
</elementtype>

</schema>

```

Party.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Party</h1>

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    <p>Identification information related to a party in a transaction.
    The party may be specified by a combination of:</p>
    <ol>
      <li>One or more <code>ID</code> numbers. Each <code>ID</code>
      is actually an ordered pair specifying an <code>Agency</code>
      that issued the <code>ID</code>, and the <code>PartyID</code>
      itself. If only one <code>ID</code> is specified, the
      <code>AgencyID</code> and <code>PartyID</code> may be
      conveniently specified as attributes.</li>
      <li><code>Name</code> and <code>Address</code> information.</li>
    </ol>
    <p>In typical use, it is referenced in a document definition as:</p>
    <p><code><lt;element type="Party" name="Supplier" /></code></p>
    <p>If the <code>Supplier</code> has a CommerceOne <code>ID</code>,
    the XML for this will look something like:</p>
    <p><code><lt;Supplier></code><br/>
    <code><lt;Party AgencyID="CommerceOne" PartyID="12345" /></code><br/>
    <code></Supplier></code></p>
    <p>If name and address information is supplied, the XML will look
    something like:</p>
```



```

    <p><code>&lt;Supplier&gt;</code>
      <code>&lt;Party&gt;</code>
        <code>&lt;NameAddress&gt;</code>
          <code>&lt;...NameAddress info ... /&gt;</code>
        <code>&lt;/NameAddress&gt;</code>
      <code>&lt;/Party&gt;</code>
    <code>&lt;/Supplier&gt;</code></p>
    <p>The syntax also allows for specification of nonstandard
    <code>ID</code> numbers.</p>
</intro>

<elementtype name="Party">
  <explain>
    <p><code>ListOfIdentifier</code> - A <code>Party</code> may
    be known to an agency (like EAN) by some identifying number.
    These identification numbers may be listed here. Any numbers
    provided here are in addition to a <code>PartyID/AgencyID</code>
    specified as an attribute of the <code>Party</code>.</p>
    <p><code>NameAddress</code> - <code>Name</code> and
    <code>Address</code> information can be provided.</p>
    <p><code>OrderContact</code> - One <code>Party</code> can
    have contacts that play different role. For example, a buyer
    can be the information contact, order contact, and even
    purchasing contact.</p>
  </explain>
  <model>
    <sequence>
      <element type="ListOfIdentifier" occurs="?" />
      <element type="NameAddress" occurs="?" />
      <element type="Contact" name="OrderContact" occurs="?" />
      <element type="Contact" name="ReceivingContact" occurs="?" />
      <element type="Contact" name="ShippingContact" occurs="?" />
      <element type="ListOfContactCoded" name="OtherContacts" occurs="?" />
    </sequence>
  </model>
  <attdef datatype="string" name="PartyID">
    <explain>
      <p>The <code>Party</code> may be identified by a
      <code>PartyID</code> that is known to some

```

```
        <code>Agency</code>. The <code>Agency</code> should be
        identified with an <code>AgencyID</code> (or an
        <code>AgencyOther</code>).</p>
    </explain>
</attdef>
<attdef name="AgencyID" datatype="AgencyCode">
    <!-- <explain>
        <p>An <code>Agency</code> chosen from a list of standard
        <code>Agencies</code>. This identifies the
        <code>Agency</code> that issued the <code>PartyID</code>.</p>
    </explain> -->

</attdef>
<attdef datatype="string" name="AgencyOther">
    <explain>
        <p>If the <code>AgencyID</code> is <code>Other</code>
        (or not provided), the <code>Agency</code> may be specified
        as a string.</p>
    </explain>
</attdef>
</elementtype>

</schema>
```

PartyCoded.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Party Coded</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    <p>A <code>PartyCoded</code> provides identification information
    for a <code>Party</code>. It extends <code>Party</code> by
    supplying a code for the role the <code>Party</code> plays in a
    document.</p>
    <p>When the role of the <code>Party</code> is known at document
    definition time, an element of <code>type="Party"</code> is
    typically used. For example:</p>
    <p><code><element type="Party" name="BuyerParty"/></code></p>
    <p>is clearly <code>Party</code> information for the
    <code>Buyer</code>.</p>
    <p>When the role of the <code>Party</code> is not known at
    document definition time, a <code>PartyCoded</code> may be
    used instead of a <code>Party</code> to further qualify it.
    For example:</p>
    <p><code><element type="PartyCoded" name="OtherParty"
    occurs="?"/></code>.</p>
    <p>may be used to refer to a <code>Party</code> whose role is
    identified in an instance of the document.</p>
  </intro>
```

```

<datatype name="PartyRoleCode">
  <enumeration datatype="NMTOKEN">
    <option>Other</option>
    <option>Buyer</option>
    <option>Supplier</option>
    <option>CentralCatParty</option>
    <option>StoreNumber</option>
    <option>SuppAgent</option>
    <option>ProdInqNum</option>
  </enumeration>
</datatype>

<elementtype name="PartyCoded">
  <explain>
    <p><code>PartyRole</code> - The role of the
    <code>Party</code>.</p>
    <p><code>PartyRoleOther</code> - If <code>PartyRole</code>
    is <code>Other</code>, the role of the <code>Party</code> may
    be identified in a string.</p>
  </explain>
  <extends type="Party">
    <append>
      <element type="PartyRoleCode" name="PartyRole"/>
      <element type="string" name="PartyRoleOther" occurs="?" />
    </append>
  </extends>
</elementtype>

<elementtype name="ListOfPartyCoded">
  <explain>
    <p>This is a container for list of <code>PartyCoded</code>.</p>
  </explain>
  <model>
    <element type="PartyCoded" occurs="+" />
  </model>
</elementtype>

</schema>

```

Payment.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0" >

  <intro>
    <h1>Payment</h1>
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    Copyright 1999 Commerce One, Inc.</p>
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    and conditions specified at http://www.marketsite.net/xml/cbl/copyright.html</p>
    <p>
    Payment terms defines the requirements which must be fulfilled in order that a
    payment may be considered a valid means of extinguishing the debt to which it
    relates.</p>
    <p>
    This element is based on UN/EDIFACT (D.99B) elements PAI, payment instructions, and
    PAT, payment term basis.</p>
    <p>
    Example: 2 % 10 net 30 Invoice Date<br/>
    which means:<br/>
    The amount is due in 30 days from invoice date.
    Take 2% off the amount if paid within 10 days.
    </p>
    <pre xml:space="preserve">
    PaymentMean          = InvoiceDefined
    PaymentTerm          = Discount
    DiscountPercent      = 2
    DiscountDaysDue     = 10
    PaymentTimeReference = InvoiceDate
    NetDaysDue           = 30
    NetTimeRef           = InvoiceDate
    </pre>
    <p>
```

The UN/EDIFACT website can be found at <http://www.unece.org/trade/untdid/welcome.htm>.

```
</intro>

<datatype name="PaymentTimeReference">
  <enumeration datatype="NMTOKEN">
    <option>Other</option><!-- Mutually Defined -->
    <option>InvoiceDate</option><!-- 5 = Date of invoice -->
    <option>SpecifiedDate</option>
    <option>ShipmentDate</option><!-- 81 = Date of shipment as evidenced by the transport document(s) -
->
    <option>GoodsReceivedByBuyerDate</option><!-- 21=Date goods received by buyer -->
    <option>TransportArrivalDate</option><!-- 26=Date of arrival of transport -->
  </enumeration>
</datatype>

<datatype name="CardTypeCode">
  <enumeration datatype="NMTOKEN">
    <option>Other</option><!-- Other Card Type -->
    <option>AMEX</option><!-- American Express -->
    <option>VISA</option><!-- VISA -->
    <option>MC</option><!-- Master Card -->
    <option>Discover</option><!-- Discover -->
    <option>JCB</option><!-- JCB -->
    <option>Diners</option><!-- Diners -->
  </enumeration>
</datatype>

<elementtype name="CardInfo">
  <model>
    <sequence>
      <!-- REF01 MID2/2 E4 - charge card number
      REF02MAN1/30
      Recommended string length: AlphaNum17 -->
      <element type="string" name="CardNum" />

      <!-- REF01 MID2/2 BB - authorization code
      REF02MAN1/30
      Recommended string length: AlphaNum35 -->
      <element type="string" name="CardAuthCode" occurs="?" />
    </sequence>
  </model>
</elementtype>
```

```

<!-- REF01 MID2/2 CR - customer reference number
      REF02MAN 1/30
      Recommended string length: AlphaNum35 -->
<!-- for transmission of customer-specific info with credit card -->
<element type="string" name="CardRefNum" occurs="?" />

<!-- DTM01 MID3/3 036 - charge card expiration date (conditional)
      DTM02 CDT6/6YYMMDD -->
<element type="datetime" name="CardExpirationDate" occurs="?" />

<!-- Amex, Visa, MC, etc. This is a required if
      payment type is credit card or debit card -->
<element type="CardTypeCode" name="CardType" occurs="?" />

<!-- CardTypeOther is specified only if CardType='Other'
      Recommended string length: AlphaNum70 -->
<element type="string" name="CardTypeOther" occurs="?" />

<!-- C1 addition. Name printed on the card. Max 30 chars
      Recommended string length: AlphaNum35 -->
<element type="string" name="CardHolderName" occurs="?" />
</sequence>
</model>
</elementtype>

<elementtype name="Payment">
  <model>
    <sequence>
      <!-- Indication of the instrument of payment -->
      <element type="PaymentMeanCode" name="PaymentMean" />

      <!-- PaymentMeanOther is specified if PaymentMean='Other'
            Recommended string length: AlphaNum70 -->
      <element type="string" name="PaymentMeanOther" occurs="?" />

      <!-- Identification of the type of payment terms. -->
      <element type="PaymentTermCode" name="PaymentTerm" />
    </sequence>
  </model>
</elementtype>

```

```

<!-- PaymentTermOther is specified if PaymentTerm='Other'
  Recommended string length: AlphaNum70 -->
<element type="string" name="PaymentTermOther" occurs="?" />
<element type="Decimal10_4" name="DiscountPercent" occurs="?" />
<element type="int" name="DiscountDaysDue" occurs="?" />
<element type="PaymentTimeReference" name="DiscountTimeRef" occurs="?" />

<!-- Recommended string length: AlphaNum70 -->
<element type="string" name="DiscountTimeRefOther" occurs="?" />

<!-- DiscountDueDate is rarely used. Most of the time,
  we will use the DiscountDaysDue + DiscountTimeRef -->
<element type="datetime" name="DiscountDueDate" occurs="?" />

<element type="int" name="NetDaysDue" occurs="?" />
<element type="PaymentTimeReference" name="NetTimeRef" occurs="?" />

<!-- Recommended string length: AlphaNum70 -->
<element type="string" name="NetTimeRefOther" occurs="?" />

<!-- this field is required for credit/debit card payment type -->
<element type="CardInfo" occurs="?" />
</sequence>
</model>
</elementtype>
</schema>

```


PaymentCurrency.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Payment Currency</h1>

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    <p>A valid currency for a payment.</p>
  </intro>

  <elementtype name="PaymentCurrency">
    <empty/>
    <attdef datatype="CurrencyCode" name="Currency">
      <explain>
        <p>A Currency Code.</p>
      </explain>
      <required/>
    </attdef>
  </elementtype>

  <elementtype name="ListOfPaymentCurrency">
    <explain>
      <p>A container for a list of one or more
      <code>PaymentCurrency</code>.</p>
    </explain>
    <model>
      <element type="PaymentCurrency" occurs="+"/>
    </model>
  </elementtype>
</schema>
```

```
        </model>  
    </elementtype>  
  
</schema>
```

PaymentMeanCode.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">
<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0" >
  <intro>
    <h1>Payment Mean Code</h1>
    <p>Copyright Notice</p>
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    Copyright 1999 Commerce One, Inc.</p>
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    and conditions specified at <code>http://www.marketsite.net/xml/cbl/copyright.html</code></p>
    <p>
    The PaymentMeanCode (payment mean code) is the coded representation of names
    of payment means. Payment mean, in conjunction with the other Payment elements such
    as PaymentTermCode, define the requirements which must be fulfilled in order that a
    payment may be considered a valid means of extinguishing the debt to which it relates. </p>
    <p>
    This code set is based on UN/EDIFACT (D.99B) element 4461, payment means coded.</p>
    <p>
    The UN/EDIFACT website can be found at <code>http://www.unece.org/trade/untdid/welcome.htm</code>.</p>
  </intro>

  <datatype name="PaymentMeanCode">
    <enumeration datatype="NMTOKEN">
      <explain><p>Indicates that the payment mean is not defined in the code set and should be processed
      using additional information supplied in the referencing data structure.</p></explain> <option>Other</
      option>
      <explain><p>Payment using cash.</p></explain> <option>Cash</option>
      <explain><p>A credit transaction, initiated from the buyer's account to the seller's account at the
      same financial institution.</p></explain> <option>BookentryCredit</option>
      <explain><p>Issue of a banker's draft in payment of the funds.</p></explain>
      <option>BankersDraft</option>
      <explain><p>A certified banker's draft.</p></explain> <option>CertifiedBankersDraft</option>
      <explain><p>A bank cheque (issued by a banking or similar establishment).</p></explain>
      <option>Check</option>
      <explain><p>A certified bank cheque.</p></explain> <option>CertifiedCheck</option>
    </enumeration>
  </datatype>
</schema>
```

```

    <explain><p>Payment to a bank account or account at similar establishment.</p></explain>
<option>ToAccount</option>
    <explain><p>Bill drawn by the creditor on the debtor and accepted by the debtor.</p></explain>
<option>BillOfExchange</option>
    <explain><p>Payment by postgrio.</p></explain> <option>Postgrio</option>
    <explain><p>Payment mean defined in the invoice.</p></explain> <option>InvoiceDefined</
option>
    <explain><p>Payment using credit card.</p></explain> <option>CreditCard</option>
    <explain><p>Payment using debit card.</p></explain> <option>DebitCard</option>
    <explain><p>Mutually defined payment means.</p></explain> <option>MutuallyDefined</option>
</enumeration>
</datatype>
</schema>

```

PaymentTermCode.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">
<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0" >
  <intro>
    <h1>Payment Term Code</h1>
    <p>Copyright Notice</p>
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    Copyright 1999 Commerce One, Inc.</p>
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    and modules in the Commerce One Common Business Library Version 2.0 subject to the terms
    and conditions specified at <code>http://www.marketsite.net/xml/cbl/copyright.html</code></p>
    <p>
    The PaymentTermCode (payment term code) is the coded representation of names
    of payment term types. Payment term types, in conjunction with the other Payment
    elements such as PaymentMeanCode, define the requirements which must be fulfilled
    in order that a payment may be considered a valid means of extinguishing the debt to
    which it relates.</p>
    <p>
    This code set is based on UN/EDIFACT (D.99B) element 4279, payment terms type code
    qualifier.</p>
    <p>
    The UN/EDIFACT website can be found at <code>http://www.unece.org/trade/untdid/welcome.htm</code>.</p>
  </intro>

  <datatype name="PaymentTermCode">
    <enumeration datatype="NMTOKEN">
      <explain><p>Indicates that the UOM is not defined in the code set and should be processed using
      additional information supplied in the referencing data structure.</p></explain>          <option>Other</option>
      <explain><p>Payment conditions normally applied.</p></explain>          <option>Basic</option>
      <explain><p>End of month.</p></explain>          <option>EndOfMonth</option>
      <explain><p>Fixed date.</p></explain>          <option>FixedDate</option>
      <explain><p>Deferred.</p></explain>          <option>Deferred</option>
      <explain><p>Basic discount offered.</p></explain>          <option>BasicDiscount</option>
      <explain><p>Payment is due on receipt of invoice.</p></explain>          <option>Instant</option>
    </enumeration>
  </datatype>
</schema>
```

```

    <explain><p>Payment terms to be chosen by buyer (from options separately advised).</p></explain>
<option>Elective</option>
    <explain><p>Seller will advise buyer of payment terms by separate transaction.</p></explain>
<option>SellerToAdvise</option>
    <explain><p>Payment is due the end of the current or specified month.</p></explain>
<option>Ultimo</option>
    <explain><p>Previously agreed upon.</p></explain>                <option>AsAgreed</option>
    <explain><p>Payment by installment.</p></explain>                <option>ByInstallment</option>
    <explain><p>Discount</p></explain>                                <option>Discount</option>
    <explain><p>Payment on acceptance of goods or services.</p></explain>    <option>OnAcceptance</
option>
    <explain><p>Payment terms are specified in a consolidated invoice.</p></explain>
<option>ByInvoice</option>
    <explain><p>The payment terms require payment upon completion.</p></explain>
<option>UponCompletion</option>
    <explain><p>The payment terms involve the use of an inter-company account.</p></explain>
<option>InterCompanyAccount</option>
    <explain><p>The payment terms permit reimbursement of costs plus other authorized changes.</p></
explain>                <option>CostPlus</option>
    <explain><p>The payment terms require the use of a letter of credit.</p></explain>
<option>LetterOfCredit</option>
    <explain><p>Payment on delivery of goods or services.</p></explain>    <option>OnDelivery</
option>
    <explain><p>Payment on arrival of the goods or services.</p></explain>    <option>OnArrival</
option>
    <explain><p>The payment terms permit the use of a charge card to effect payment.</p></explain>
<option>CreditCard</option>
    <explain><p>Mutually defined payment terms.</p></explain>    <option>MutuallyDefined</option>
</enumeration>
</datatype>
</schema>

```

Price.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Price</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    DTD's, schemas and modules in the Commerce One Common Business
    Library Version 2.0 subject to the terms and conditions specified
    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p>Price describes the price of one <code>UnitOfMeasure</code>
    of a product when the product is purchased on a particular date
    in a particular quantity in a particular currency.</p>
  </intro>

  <elementtype name="Price">
    <explain>
      <p><code>UnitPrice</code> - The Unit Price (for one unit of
      measure) if this <code>Price</code> applies.</p>
      <p><code>UnitOfMeasure</code> This is often determined by
      context and omitted from the <code>Price</code> specification.</p>
      <p><code>StartDate</code> - The first date that this price
      applies. If not specified, it defaults to a date in the
      distant past.</p>
      <p><code>EndDate</code> - The last date that this price
      applies. If not specified, it defaults to a date in the
      distant future.</p>
      <p><code>QuantityRange</code> - The amount of product for which
      this rate applies. If no <code>QuantityRange</code> is specified,
      it is assumed that this rate applies to any quantity purchased.</p>
    </explain>
  </elementtype>
</schema>
```

```
</explain>
<model>
  <sequence>
    <element type="UnitPrice"/>
    <element type="UnitOfMeasure" occurs="?" />
    <element type="date" name="StartDate" occurs="?" />
    <element type="date" name="EndDate" occurs="?" />
    <element type="QuantityRange" occurs="?" />
  </sequence>
</model>
</elementtype>

<elementtype name="ListOfPrice">
  <explain>
    <p>A container for a list of one or more
    <code>Price</code>.</p>
  </explain>
  <model>
    <element type="Price" occurs="+" />
  </model>
</elementtype>

</schema>
```


PriceCatAction.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Price Catalog Action</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    <p><code>PriceCatAction</code> specifies an action (an add, delete,
    or change part operation) on a price catalog.</p>
  </intro>

  <elementtype name="PriceCatAction">
    <explain>
      <p><code>PriceCatDetail</code> - A product add or modify
      action.</p>
      <p><code>CatalogDelete</code> - A product delete action.</p>
    </explain>
    <model>
      <choice>
        <element type="PriceCatDetail"/>
        <element type="CatalogDelete"/>
      </choice>
    </model>
  </elementtype>

  <elementtype name="ListOfPriceCatAction">
    <explain>
```

```
    <p>A container for a list of <code>PriceCatAction</code>.</p>
  </explain>
  <model>
    <element type="PriceCatAction" occurs="+"/>
  </model>
</elementtype>

</schema>
```

PriceCatalog.sox

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Price Catalog</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    <p>The <code>PriceCatalog</code> Document is based on XML version
    of the UN/EDIFACT D.96A PRICAT message produced by XCAT Project
    Group. http://193.88.152.131/xcat.</p>
    <p>The Price/Sales Catalogue message is sent by the supplier to
    his customers. The message is used as a catalogue or list of all
    of the suppliers products or as an advanced warning to particular
    changes in the product line. The catalogue would include
    descriptive, logistical, and financial information about each
    product. The message might indicate only general information
    about the products, valid for all customers or provide a single
    customer with specific product information such as special pricing
    conditions. Additionally, the message can be sent from a buyer to
    a seller to specify special requirements such as buyer labelling
    or packaging requirements.</p>
    <p>Similar to the Party Information message, each product in the
    catalogue is assigned a standard EAN number which will be referred
    to by the supplier's customers in future transactions. The message
    would be resent when there are any changes, deletions or additions
    to the supplier's products.</p>
    <p>The Price/Sales Catalogue message can also be used by suppliers
```

```
    to feed a central catalogue of products, making the information
    available to all interested parties.</p>
</intro>

<elementtype name="PriceCatalog">
  <explain>
    <h3>The <code>PriceCatalog</code> element is the document
    root</h3>
    <p><code>PriceCatHdr</code> - Header Information that is
    describes this document.</p>
    <p><code>ListOfPriceCatAction</code> - Price Detail
    information: One element for each item in the
    <code>Catalog</code>.</p>
  </explain>
  <model>
    <sequence>
      <element type="PriceCatHdr"/>
      <element type="ListOfPriceCatAction" occurs="?"/>
    </sequence>
  </model>
</elementtype>

</schema>
```

PriceCatDetail.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Price Catalog Detail</h1>

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    <p><code>PriceCatDetail</code> provides line item detail
    information for one product in the <code>PriceCatalog</code>.</p>
  </intro>

  <elementtype name="PriceCatDetail">
    <explain>
      <p><code>PriceAction</code> - Action code. This detail
      record may be to add or change part pricing information.
      The two operations should be treated the same way by most
      applications. Adding pricing information where it already
      exists should be treated as a change. Changing pricing
      information where no pricing information already exists
      should be treated as an add.</p>
      <p><code>PartNum</code> - The part number that uniquely
      identifies this product.</p>
      <p><code>ListOfDescription</code> - A brief description of
      the product. Max length is 255 chars. The description may
      be specified in several different languages, but it should
      be specified only once for a given language.</p>
      <p><code>RelatedParts</code> - Parts and Part Numbers related
```

to this part.</p>
<p><code>ValidStartDate</code> - First date on which this entry is valid.</p>
<p><code>ValidEndDate</code> - Last date on which this entry is valid.</p>
<p><code>AvailStartDate</code> - First date on which this product is available.</p>
<p><code>AvailEndDate</code> - Last date on which this product is available.</p>
<p><code>LeadTimeDays</code> - Lead time of delivery of this product in days.</p>
<p><code>LongDesc</code> - An optional long description of the product. Max length is 2000 chars. The <code>LongDesc</code> may be specified in several different languages, but it should be specified only once for a given language.</p>
<p><code>ListOfDescInfo</code> - Additional descriptive information about this product.</p>
<p><code>MinOrder</code> - The minimum number of "units of measure" that may be ordered. If not specified, the minimum is 1.</p>
<p><code>MaxOrder</code> - The maximum number of "units of measure" that may be ordered. If not specified, there is no maximum.</p>
<p><code>LotSize</code> - A product may be in the <code>MinOrder</code> amount plus a multiple of the <code>LotSize</code>. The <code>LotSize</code> is typically 1.0, but may be 0, a fractional quantity, etc. If not specified, it defaults to 1.0.</p>
<p><code>ListOfProdAttribute</code> - Product attributes. These are intended to be technical attributes of the product.</p>
<p><code>ListOfAttachment</code> - File attachments related to this part.</p>
<p><code>ListOfKeyVal</code> - Keyword/Value pairs related to this part.</p>
<p><code>CategoryUNSPSC</code> - The classification of this product in the UNSPSC classification scheme. This is the UNSPSC code for the appropriate classification. It is strongly recommended that each product in the catalog have a UNSPSC classification.</p>

<p><code>ListOfCategory</code> - Other classifications may be specified in addition to the primary UNSPSC classification.</p>
 <p><code>CountryOfOrigin</code> - The country of Origin.</p>
 <p><code>ListOfSpecialCond</code> - Special conditions (like Price Includes Tax).</p>
 <p><code>ListPrice</code> - List prices for this part. This is specified as a list of prices to define the list price at various quantity levels. This is an optional field. A <code>ListPrice</code> does not need to be defined.</p>
 <p><code>ListOfPrice</code> - Price for this part. This is specified more than once to define various prices at various quantity levels. At least one price must be specified.</p>
 <p><code>ListOfAllowOrCharge</code> - Allowance or charges for this part.</p>

</explain>

<model>

<sequence>

```

  <element type="PriceCatDetailActionCode" name="PriceAction"/>
  <element type="PartNum"/>
  <element type="ListOfDescription" occurs="?" />
  <element type="RelatedParts" occurs="?" />
  <element type="date" name="ValidStartDate" occurs="?" />
  <element type="date" name="ValidEndDate" occurs="?" />
  <element type="date" name="AvailStartDate" occurs="?" />
  <element type="date" name="AvailEndDate" occurs="?" />
  <element type="int" name="LeadTimeDays" occurs="?" />
  <element type="ListOfLangString" name="LongDesc" occurs="?" />
  <element type="ListOfDescInfo" occurs="?" />
  <element type="Decimal15_3" name="MinOrder" occurs="?" />
  <element type="Decimal15_3" name="MaxOrder" occurs="?" />
  <element type="Decimal15_3" name="LotSize" occurs="?" />
  <element type="ListOfProdAttribute" occurs="?" />
  <element type="ListOfAttachment" occurs="?" />
  <element type="ListOfKeyVal" occurs="?" />
  <element type="string" name="CategoryUNSPSC" occurs="?" />
  <element type="ListOfCategory" occurs="?" />
  <element type="CountryCode" name="CountryOfOrigin" occurs="?" />
  <element type="ListOfSpecialCond" occurs="?" />
  <element type="ListOfPrice" name="ListPrice" occurs="?" />

```

```
        <element type="ListOfPrice"/>
        <element type="ListOfAllowOrCharge" occurs="?" />
    </sequence>
</model>
</elementtype>

<datatype name="PriceCatDetailActionCode">
    <enumeration datatype="NMTOKEN">
        <option>Add</option>
        <option>Change</option>
        <option>NoAction</option>
    </enumeration>
</datatype>

</schema>
```


PriceCatHdr.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Price Catalog Header</h1>

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    <p><code>PriceCatHdr</code> provides header information for a
    <code>PriceCatalog</code>. This information includes the date and
    time of the pricing info, as well as general description
    information.</p>
  </intro>

  <elementtype name="PriceCatHdr">
    <explain>
      <p><code>DocumentDate</code> - The <code>Date</code> this
      <code>Catalog</code> was produced.</p>
      <p><code>EarliestDeliveryDate</code> - The earliest date this
      <code>Catalog</code> can be delivered. If not specified, it
      defaults to the <code>DocumentDate</code>.</p>
      <p><code>ValidStartDate</code> - The date this
      <code>Catalog</code> becomes valid. If not specified, it
      defaults to the <code>DocumentDate</code>.</p>
      <p><code>ValidEndDate</code> - The date this <code>Catalog</code>
      becomes invalid. If not specified, it defaults to a date in the
      distant future.</p>
      <p><code>DefaultCurrency</code> - The default currency for this
```

```

document.</p>
<p><code>DefaultLanguage</code> - The default language for this
document.</p>
<p><code>ListOfDescription</code> - Description of this product
catalog. This may be present in multiple languages (but should
be specified only once for a given language.</p>
<p><code>CatHdrRef</code> - References to other documents
associated with this Price Catalog.</p>
<p><code>SupplierParty</code> - Supplier name and address
information.</p>
<p><code>SupplierAgentParty</code>- Supplier's agent name and
address information.</p>
<p><code>BuyerParty</code> - Buyer name and address information.
This is provided only if this price catalog is for a specific
buyer.</p>
<p><code>ListOfPartyCoded</code> - Other name and address
information related to this <code>Catalog</code>.</p>
<p><code>ListOfPaymentCurrency</code> - Acceptable payment
currencies when purchasing from this price list. The default
currency is always an acceptable payment currency. Other
allowable currencies should be listed here.</p>
</explain>
<model>
<sequence>
  <element type="date" name="DocumentDate" />
  <element type="date" name="EarliestDeliveryDate" occurs="?" />
  <element type="date" name="ValidStartDate" occurs="?" />
  <element type="date" name="ValidEndDate" occurs="?" />
  <element type="CurrencyCode" name="DefaultCurrency" />
  <element type="LangCode" name="DefaultLanguage" />
  <element type="ListOfDescription" />
  <element type="CatHdrRef" occurs="?" />
  <element type="Party" name="SupplierParty" />
  <element type="Party" name="SupplierAgentParty" occurs="?" />
  <element type="Party" name="BuyerParty" occurs="?" />
  <element type="ListOfPartyCoded" occurs="?" />
  <element type="ListOfPaymentCurrency" occurs="?" />
</sequence>
</model>

```

</elementtype>

</schema>

PriceCheckRequest.sox

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Price Check Request</h1>

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    <p>Price Check Request Document</p>
    <p><code>PriceCheckRequest</code> returns the contract prices for
    a list of order items, under a single account, offered by a single
    supplier.</p>

  </intro>

  <elementtype name="PriceCheckHeader">
    <explain>
      <p><code>SupplierID</code> - The supplier of the
      <code>PartKeys</code> to be quoted.</p>
      <p><code>AccountCode</code> - The buyer account code.</p>
      <p><code>Currency</code> - The requested currency. Applies
      to all line items.</p>
      <p><code>QuoteDate</code> - The requested quote date. Applies
      to all line items.</p>
      <p><code>PriceCheckShipToParty</code> - Price may be determined
      by the ship to destination.</p>
    </explain>
    <model>
```

```

        <sequence>
            <element type="Reference" name="SupplierID"/>
            <element type="Reference" name="AccountCode"/>
            <element type="CurrencyCode" name="Currency"/>
            <element type="datetime" name="QuoteDate"/>
            <element type="Party" name="PriceCheckShipToParty" occurs="?" />
        </sequence>
    </model>
</elementtype>

<elementtype name="PriceCheckRequest">
    <explain>
        <p><code>ListOfBaseItemDetail</code> - A list of price check
        order items: <code>PartKey</code>, quote date, quantity, currency - The
        ordering of items returned is guaranteed to match the ordering
        of items in the <code>PriceCheckRequest</code>.</p>
    </explain>
    <model>
        <sequence>
            <element type="PriceCheckHeader"/>
            <element type="ListOfBaseItemDetail" occurs="?" />
        </sequence>
    </model>
</elementtype>

</schema>

```

PriceCheckResult.sox

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Price Check Result</h1>

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    <p><code>PriceCheckResult</code> is the response to
    <code>PriceCheckRequest</code>. Returns the contract price for a
    list of order items, under a single account, offered by a single
    supplier.</p>
    <p>Note: The price that is returned = (unit price with all
    discounts applied) * (quantity requested)</p>
  </intro>

  <elementtype name="PriceResultItem">
    <explain>
      <p><code>QuotedItem</code> - An item: NaturalKey, quote date,
      quantity.</p>
      <p><code>ResultPrice</code> - Contract price for this item.</p>
      <p><code>PriceErrorInfo</code> - if filled then there is a
      business error.</p>
    </explain>
    <model>
      <sequence>
        <element type="BaseItemDetail" name="QuotedItem"/>
        <element type="Price" name="ResultPrice"/>
      </sequence>
    </model>
  </elementtype>
</schema>
```

```

        <element type="ErrorInfo" name="PriceErrorInfo" occurs="?" />
    </sequence>
</model>
</elementtype>

<elementtype name="ListOfPriceResultItem">
    <explain>
        <p>container for <code>PriceResultItem</code></p>
    </explain>
    <model>
        <element type="PriceResultItem" occurs="+" />
    </model>
</elementtype>

<elementtype name="PriceCheckSummary">
    <explain>
        <p><code>PriceCheckItemErrors</code> - If there are item errors
        present in the list of items this will indicate the number of
        errors. Otherwise this value will be 0</p>
        <p><code>PriceCheckSummaryErrorInfo</code> - if filled then
        there is an error.</p>
    </explain>
    <model>
        <sequence>
            <element type="int" name="PriceCheckItemErrors" />
            <element type="ErrorInfo" name="PriceCheckSummaryErrorInfo"
            occurs="?" />
        </sequence>
    </model>
</elementtype>

<elementtype name="PriceCheckResult">
    <explain>
        <p><code>ListOfPriceResultItem</code> - Contract pricing for
        all order items The ordering of items returned is guaranteed
        to match the ordering of items in the
        <code>PriceCheckRequest</code>.</p>
        <p><code>PriceCheckSummary</code> - info about the number of
        errors in the result.</p>
    </explain>

```

```
</explain>
<model>
  <sequence>
    <element type="PriceCheckHeader"/>
    <element type="ListOfPriceResultItem" occurs="?"/>
    <element type="PriceCheckSummary"/>
  </sequence>
</model>
</elementtype>

</schema>
```


PriceDetails.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Price Detail</h1>

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    <p><code>PriceDetail</code> is used to provide <code>Price</code>
    detail information at the line item level.</p>
  </intro>

  <datatype name="PriceTypeCode">
    <enumeration datatype="NMTOKEN">
      <option>Catalogue</option>
      <option>Contract</option>
    </enumeration>
  </datatype>

  <elementtype name="PriceDetail">
    <explain>
      <p><code>PriceValue</code> - 5118</p>
      <p><code>PriceType</code> - 5375</p>
    </explain>
    <model>
      <sequence>
        <element type="Decimal15_4" name="PriceValue"/>
        <element type="PriceTypeCode" name="PriceType"/>
      </sequence>
    </model>
  </elementtype>
</schema>
```

```
        </sequence>
      </model>
    </elementtype>
</schema>
```

PricingData.soX

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.soX$1.0">

  <intro>
    <h1>Pricing Data</h1>

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    <p>Pricing Data Document</p>
  </intro>

  <datatype name="PricingTypeOptions">
    <explain>
      <p>Enumeration of all C1 supported Pricing Types</p>
    </explain>
    <enumeration datatype="string">
      <option>FixedPrice</option>
      <option>CostPlus</option>
      <option>DiscountFromListPrice</option>
      <option>NoCost</option>
    </enumeration>
  </datatype>

  <elementtype name="PricingData">
    <explain>
      <h3><code>PricingData</code> is the base class for all pricing
      rules. An instance of <code>PricingData</code> contains all
      information necessary to construct a C1 supported Pricing
```

```

Rule.</h3>
<p><code>PricingType</code> - The pricing rule type.<br/>
Note: For REOS replacement, <code>always=FixedPrice</code></p>
<p><code>UnitPriceInfo</code> - <br/>
For <code>FixedPrice</code>: <code>UnitPrice</code> = Contract
Price<br/>
For <code>CostPlus</code>: <code>UnitPrice</code> = Cost<br/>
For <code>DiscountFromListPrice</code>: <code>UnitPrice</code> =
List Price<br/>
For <code>NoCost</code>: <code>UnitPrice</code> = 0.0</p>
<p><code>ListPriceInfo</code> - The current list price.</p>
<p><code>PriceModifier</code> - <br/>
For <code>FixedPrice</code>: <code>PriceModifier</code> = 1.0<br/>
For <code>CostPlus</code>: <code>PriceModifier</code> = Markup
(e.g. 1.5 for a 50% markup)<br/>
For <code>DiscountFromListPrice</code>: <code>PriceModifier</code>
= Markdown (e.g. 0.80 for a 20% markdown)<br/>
For <code>NoCost</code>: <code>PriceModifier</code> = 0.0</p>
</explain>
<model>
  <sequence>
    <element type="PricingTypeOptions" name="PricingType"/>
    <element type="Money" name="UnitPriceInfo"/>
    <element type="Money" name="ListPriceInfo"/>
    <element type="double" name="PriceModifier"/>
  </sequence>
</model>
</elementtype>

<elementtype name="ContractPricingData">
  <explain>
    <h3>Represents the information for a pricing rule that is
    tied to a contract.</h3>
    <p><code>Contract</code> - The pricing contract (Start Date,
    End Date) for this Pricing Rule.</p>
  </explain>
  <extends type="PricingData">
    <append>
      <element type="Contract"/>
    </append>
  </extends>
</elementtype>

```

```

        </append>
    </extends>
</elementtype>

<datatype name="TierTypeOptions">
    <explain>
        <p>Enumeration of all C1 supported Tiered Pricing Types.</p>
    </explain>
    <enumeration datatype="string">
        <option>QuantityTier</option>
        <option>DollarTier</option>
    </enumeration>
</datatype>

<elementtype name="TieredContractPricingData">
    <explain>
        <h3>Represents the information for a tiered pricing rule
        that is tied to a contract.</h3>
        <p><code>Contract</code> - The pricing contract (Start Date,
        End Date) for this Pricing Rule.</p>
        <p><code>TierType</code> - The tier type for this pricing
        rule.</p>
        <p><code>MinimumThreshold</code> - The tier lower bound.</p>
        <p><code>MaximumThreshold</code> - The tier upper bound.</p>
        <p><code>TierPriceModifier</code> - The tier markdown factor
        (e.g. for a 10% discount, tier price modifier = 0.9)</p>
    </explain>
    <extends type="PricingData">
        <append>
            <element type="Contract"/>
            <element type="TierTypeOptions" name="TierType"/>
            <element type="double" name="MinimumThreshold"/>
            <element type="double" name="MaximumThreshold"/>
            <element type="double" name="TierPriceModifier"/>
        </append>
    </extends>
</elementtype>

</schema>

```

ProdAttribute.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Product Attribute</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    Library Version 2.0 subject to the terms and conditions specified
    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p><code>ProdAttribute</code> describes a product attribute.
    The attribute has a type and a value.</p>
    <p>The type may be specified as a code (in which case the agency
    that issued the code must be specified). Alternatively, the type
    may be specified as text.</p>
    <p>Similarly the value may be specified as a one of a code, text,
    or a measurement.</p>
  </intro>

  <elementtype name="ProdAttribute">
    <explain>
      <ul>
        <lh>The attribute name may be provided as a
          <code>CodedAttribName</code> or as a
          <code>LangString</code>.</lh>
        <li><code>CodedAttribName</code> - A coded value for the
          Attribute name.</li>
        <li><code>AttribName</code> - The Attribute name in text.</li>
      </ul>
    </elementtype>
  </ul>
</schema>
```

```

    <lh>The attribute value may be provided as a
    <code>CodedValue</code>, a <code>LangString</code>, or a
    <code>Measurement</code>.</lh>
    <li><code>CodedAttribValue</code> - The A coded value for
    the <code>Attribute</code> value.</li>
    <li><code>AttribValue</code> - The <code>Attribute</code>
    value as text.</li>
    <li><code>Measurement</code> - The <code>Attribute</code>
    value as a <code>Measurement</code>.</li>
  </ul>
</explain>
<model>
  <sequence>
    <choice>
      <element type="CodedValue" name="CodedAttribName" occurs="?" />
      <element type="LangString" name="AttribName" occurs="?" />
    </choice>
    <choice>
      <element type="CodedValue" name="CodedAttribValue" occurs="?" />
      <element type="LangString" name="AttribValue" occurs="?" />
      <element type="Measurement" occurs="?" />
    </choice>
  </sequence>
</model>
</elementtype>

<elementtype name="ListOfProdAttribute">
  <explain>
    <p>A container for a list of one or more
    <code>ProdAttribute</code>.</p>
  </explain>
  <model>
    <element type="ProdAttribute" occurs="+" />
  </model>
</elementtype>

</schema>

```

ProdCatAction.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Product Catalog Action</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p><code>ProdCatAction</code> specifies an action (an add, delete,
    or change part operation) on a product catalog.</p>
  </intro>

  <elementtype name="ProdCatAction">
    <explain>
      <p><code>ProdCatDetail</code> - A product add or modify
      action.</p>
      <p><code>CatalogDelete</code> - A product delete action.</p>
    </explain>
    <model>
      <choice>
        <element type="ProdCatDetail"/>
        <element type="CatalogDelete"/>
      </choice>
    </model>
  </elementtype>

  <elementtype name="ListOfProdCatAction">
    <explain>
```



```
    <p>A container for a list of <code>ProdCatAction</code>.</p>
  </explain>
  <model>
    <element type="ProdCatAction" occurs="+"/>
  </model>
</elementtype>

</schema>
```

ProdCatDetail.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Product Catalog Detail</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    <p><code>ProdCatDetail</code> provides line up detail information
    for one product in the <code>ProductCatalog</code>.</p>
  </intro>

  <elementtype name="ProdCatDetail">
    <explain>
      <p><code>ProdAction</code> - Action code. This detail record
      may be to add or change part pricing information. The two
      operations should be treated the same way by most applications.
      Adding pricing information where it already exists should be
      treated as a change. Changing pricing information where no
      pricing information already exists should be treated as an add.</p>
      <p><code>PartNum</code> - The part number that uniquely
      identifies this product.</p>
      <p><code>ListOfDescription</code> - A brief description of the
      product. Max length is 255 chars. The description may be
      specified in several different languages, but it should be
      specified only once for a given language.</p>
      <p><code>RelatedParts</code> - Parts and Part Numbers related
      to this part.</p>
    </explain>
  </elementtype>
</schema>
```

<p><code>ValidStartDate</code> - First date on which this entry is valid.</p>
<p><code>ValidEndDate</code> - Last date on which this entry is valid.</p>
<p><code>AvailStartDate</code> - First date on which this product is available.</p>
<p><code>AvailEndDate</code> - Last date on which this product is available.</p>
<p><code>LeadTimeDays</code> - Lead time of delivery of this product in days.</p>
<p><code>ListOfDimension</code> - Product dimensions and their measurements.</p>
<p><code>ListOfProdCatDoc</code> - Standard documents (like Certificate of Origin) associated with this product.</p>
<p><code>ListOfProdCatGroup</code> - Product groups that this Part is included in (like a group of products with the same price.)</p>
<p><code>LongDesc</code> - An optional long description of the product. Max length is 2000 chars. The <code>LongDesc</code> may be specified in several different languages, but it should be specified only once for a given language.</p>
<p><code>ListOfDescInfo</code> - Descriptive information about this product.</p>
<p><code>UnitOfMeasure</code> - The Unit of measure when determining the price of one unit. This is frequently "Each", but it may be a quantity like Gallon.</p>
<p><code>MinOrder</code> - The minimum number of "units of measure" that may be ordered. If not specified, the minimum is 1.</p>
<p><code>MaxOrder</code> - The maximum number of "units of measure" that may be ordered. If not specified, there is no maximum.</p>
<p><code>LotSize</code> - A product may be in the <code>MinOrder</code> amount plus a multiple of the <code>LotSize</code>. The <code>LotSize</code> is typically 1.0, but may be 0, a fractional quantity, etc. If not specified, it defaults to 1.0.</p>
<p><code>ListOfProdAttribute</code> - Product attributes. These are intended to be technical attributes of the product.</p>

<p><code>ListOfAttachment</code> - File attachments related to this part.</p>
 <p><code>ListOfKeyVal</code> - Keyword/Value pairs related to this part.</p>
 <p><code>CategoryUNSPSC</code> - The classification of this product in the UNSPSC classification scheme. This is the UNSPSC code for the appropriate classification. It is strongly recommended that each product in the catalog have a UNSPSC classification.</p>
 <p><code>ListOfCategory</code> - Other classifications may be specified in addition to the primary UNSPSC classification.</p>
 <p><code>CountryOfOrigin</code> - The country of Origin.</p>
 <p><code>ListOfSpecialCond</code> - Special conditions (like Price Includes Tax).</p>
 <p><code>ListOfReferenceCoded</code> - Documents references for this part.</p>
 <p><code>MfrParty</code> - The Manufacturer name and address information.</p>
 <p><code>ListOfPartyCoded</code> - Other name and address information related to this Part.</p>
 <p><code>ListOfHazardous</code> - Hazardous material codes indicators.</p>
 <p><code>NumPkgs</code> - The number of packages. If not specified, it defaults to 1.</p>
 <p><code>ListOfPackage</code> - Information about the packages.</p>
 <p><code>ListOfPartTreeNode</code> - Product hierarchy information.</p>
 </explain>
 <model>
 <sequence>
 <element type="ProdCatDetailActionCode" name="ProdAction"/>
 <element type="PartNum"/>
 <element type="ListOfDescription" occurs="?"/>
 <element type="RelatedParts" occurs="?"/>
 <element type="date" name="ValidStartDate" occurs="?"/>
 <element type="date" name="ValidEndDate" occurs="?"/>
 <element type="date" name="AvailStartDate" occurs="?"/>
 <element type="date" name="AvailEndDate" occurs="?"/>
 <element type="int" name="LeadTimeDays" occurs="?"/>
 </sequence>
 </model>

```

    <element type="ListOfDimension" occurs="?" />
    <element type="ListOfProdCatDoc" occurs="?" />
    <element type="ListOfProdCatGroup" occurs="?" />
    <element type="ListOfLangString" name="LongDesc" occurs="?" />
    <element type="ListOfDescInfo" occurs="?" />
    <element type="UnitOfMeasure" />
    <element type="Decimal15_3" name="MinOrder" occurs="?" />
    <element type="Decimal15_3" name="MaxOrder" occurs="?" />
    <element type="Decimal15_3" name="LotSize" occurs="?" />
    <element type="ListOfProdAttribute" occurs="?" />
    <element type="ListOfAttachment" occurs="?" />
    <element type="ListOfKeyVal" occurs="?" />
    <element type="string" name="CategoryUNSPSC" occurs="?" />
    <element type="ListOfCategory" occurs="?" />
    <element type="CountryCode" name="CountryOfOrigin" occurs="?" />
    <element type="ListOfSpecialCond" occurs="?" />
    <element type="ListOfReferenceCoded" occurs="?" />
    <element type="Party" name="MfrParty" occurs="?" />
    <element type="ListOfPartyCoded" occurs="?" />
    <element type="ListOfHazardous" occurs="?" />
    <element type="int" name="NumPkgs" occurs="?" />
    <element type="ListOfPackage" occurs="?" />
    <element type="ListOfPartTreeNode" occurs="?" />
  </sequence>
</model>
</elementtype>

<datatype name="ProdCatDetailActionCode">
  <enumeration datatype="NMTOKEN">
    <option>Add</option>
    <option>Change</option>
    <option>NoAction</option>
  </enumeration>
</datatype>

</schema>

```

ProdCatDoc.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Product Catalog Document</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    DTD's, schemas and modules in the Commerce One Common Business
    Library Version 2.0 subject to the terms and conditions specified
    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p>A <code>ProdCatDoc</code> identifies standard documents for
    a product. Standard documents include things like a Certificate
    of Origin.</p>
    <p>Example XML:</p>
      <p><code>&lt;Document&gt;</code><br/>
        <code>&lt;DocName&gt;</code>CertOfOrigin<code>&lt;/DocName&gt;</code><br/>
        <code>&lt;DocNum&gt;</code>N1728<code>&lt;/DocNum&gt;</code><br/>
        <code>&lt;/Document&gt;</code></p>
    <p>More Complex XML:</p>
      <p><code>&lt;Document&gt;</code><br/>
        <code>&lt;DocName&gt;</code>Other<code>&lt;/DocName&gt;</code><br/>
        <code>&lt;DocNameOther&gt;</code>Extended Warranty Info<code>&lt;/DocNameOther&gt;</
code><br/>
        <code>&lt;Agency AgencyID=AssignedBySupplier /&gt;</code><br/>
        <code>&lt;DocNum&gt;</code>ExWarranty99.3<code>&lt;/DocNum&gt;</code><br/>
        <code>&lt;/Document&gt;</code></p>
    </intro>

    <elementtype name="ProdCatDoc">
      <explain>
```

```

    <p><code>DocName</code> - The <code>DocName</code> identifies
    the name of the document. Example: Certificate of Origin.</p>
    <p><code>DocNameOther</code> - If <code>DocName</code> is
    <code>Other</code> or not provided, the name of the document
    is specified in <code>DocNameOther</code>.</p>
    <p><code>Agency</code> - The responsible agency for the
    document identified by <code>DocName</code>.</p>
    <p><code>DocNum</code> - The Reference number assigned to the
    document by the document issuer.</p>
  </explain>
  <model>
    <sequence>
      <element type="DocumentCode" name="DocName" occurs="?" />
      <element type="string" name="DocNameOther" occurs="?" />
      <element type="Agency" occurs="?" />
      <element type="string" name="DocNum" occurs="?" />
    </sequence>
  </model>
</elementtype>

<elementtype name="ListOfProdCatDoc">
  <explain>
    <p>A container for a list of one or more
    <code>ProdCatDoc</code></p>
  </explain>
  <model>
    <element type="ProdCatDoc" occurs="+" />
  </model>
</elementtype>

</schema>

```

ProdCatGroup.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Product Catalog Group</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    <p>A <code>ProdCatGroup</code> identifies a product as belonging
    to a product group. The group may indicate the <code>Catalog</code>
    a product is in, a group of products with the same price, or some
    product group.</p>
    <p>Example XML:</p>
    <p><code>&lt;ProductGroup&gt;</code><br/>
      <code>&lt;GroupType&gt;</code>SamePrice<code>&lt;/GroupType&gt;</code><br/>
      <code>&lt;GroupCode&gt;</code>N32<code>&lt;/GroupCode&gt;</code><br/>
      <code>&lt;/ProductGroup&gt;</code></p>
  </intro>

  <elementtype name="ProdCatGroup">
    <explain>
      <p><code>GroupType</code> - The type of group. Example:
      <code>SamePrice</code> for a group of products with the same
      price.</p>
      <p><code>GroupCode</code> - A coded value for the name of the
      group.</p>
      <p><code>Agency</code> - The <code>Agency</code> that
      understands the coded value.</p>
    </explain>
  </elementtype>
</schema>
```



```

        <p><code>GroupName</code> - The name of the group in text.
        This should not be provided if a <code>GroupCode</code> is
        used.</p>
    </explain>
    <model>
        <sequence>
            <element type="ProdCatGroupType" name="GroupType"/>
            <element type="string" name="GroupCode" occurs="?"/>
            <element type="Agency" occurs="?"/>
            <element type="string" name="GroupName" occurs="?"/>
        </sequence>
    </model>
</elementtype>

<datatype name="ProdCatGroupType">
    <explain>
        <p>The type of the group. This comes from EAN codelist
        5379.</p>
    </explain>
    <enumeration datatype="NMTOKEN">
        <option>Catalog</option>
        <option>SamePrice</option>
        <option>ProdGroup</option>
    </enumeration>
</datatype>

<elementtype name="ListOfProdCatGroup">
    <explain>
        <p>A container for a list of one or more
        <code>ProdCatDoc</code>.</p>
    </explain>
    <model>
        <element type="ProdCatGroup" occurs="+"/>
    </model>
</elementtype>

</schema>

```

ProdCatHdr.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Product Catalog Header</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p><code>ProdCatHeader</code> provides header information for a
    <code>ProductCatalog</code>. This information includes the date
    and time of the catalog, as well as general description
    information.</p>
  </intro>

  <elementtype name="ProdCatHdr">
    <explain>
      <p><code>DocumentDate</code> - The <code>Date</code> this
      <code>Catalog</code> was produced.</p>
      <p><code>EarliestDeliveryDate</code> - The earliest date this
      <code>Catalog</code> can be delivered.</p>
      <p><code>ValidStartDate</code> - The date this <code>Catalog</code>
      becomes valid.</p>
      <p><code>ValidEndDate</code> - The date this <code>Catalog</code>
      becomes invalid.</p>
      <p><code>DefaultCurrency</code> - The default currency for this
      document.</p>
      <p><code>DefaultLanguage</code> - The default language for this
      document.</p>
    </explain>
  </elementtype>
</schema>
```

<p><code>ListOfDescription</code> - Description of this product catalog. This may be present in multiple languages (but should be specified only once for a given language.</p>
<p><code>CatHdrRef</code> - References to other documents associated with this Product Catalog.</p>
<p><code>SupplierParty</code> - Supplier name and address information.</p>
<p><code>SupplierAgentParty</code> - Supplier's agent name and address information.</p>
<p><code>BuyerParty</code> - Buyer name and address information. This is provided only if the catalog is for a specific buyer.</p>
<p><code>ListOfPartyCoded</code> - Other name and address information related to this <code>Catalog</code>.</p>

</explain>
<model>
 <sequence>
 <element type="date" name="DocumentDate" />
 <element type="date" name="EarliestDeliveryDate" occurs="?" />
 <element type="date" name="ValidStartDate" occurs="?" />
 <element type="date" name="ValidEndDate" occurs="?" />
 <element type="CurrencyCode" name="DefaultCurrency" />
 <element type="LangCode" name="DefaultLanguage" />
 <element type="ListOfDescription" />
 <element type="CatHdrRef" occurs="?" />
 <element type="Party" name="SupplierParty" />
 <element type="Party" name="SupplierAgentParty" occurs="?" />
 <element type="Party" name="BuyerParty" occurs="?" />
 <element type="ListOfPartyCoded" occurs="?" />
 </sequence>
</model>
</elementtype>
</schema>

ProductCatalog.sox

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Product Catalog</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p>A <code>ProductCatalog</code> is based on the semantics of the
    SIMPL-EDI PROCAT message. The <code>ProductCatalog</code> document
    is used to exchange product related information between trading
    partners. It provides technical and functional data related to
    products. Data exchanged in the <code>ProductCatalog</code> message
    normally does not change very frequently.</p>
    <p>A <code>ProductCatalog</code> contains metadata that describes
    the catalog in general, and line item details for each of the
    products in the catalog.</p>
  </intro>

  <elementtype name="ProductCatalog">
    <explain>
      <p><code>ProdCatHdr</code> - Header Information that describes
      this document.</p>
      <p><code>ListOfProdCatAction</code> - Product Detail information:
      One element for each item in the Catalog.</p>
    </explain>
    <model>
      <sequence>
```

```
        <element type="ProdCatHdr"/>
        <element type="ListOfProdCatAction" occurs="?" />
    </sequence>
</model>
</elementtype>

</schema>
```

PurchaseOrder.sox

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Purchase Order</h1>

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  </intro>

  <elementtype name="PurchaseOrder">
    <model>
      <sequence>
        <element type="OrderHeader"/>
        <element type="ListOfOrderDetail"/>
        <element type="OrderSummary"/>
      </sequence>
    </model>
  </elementtype>

</schema>
```

PurchaseOrderResponse.sox

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>PurchaseOrderResponse Document</h1>
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    and conditions specified at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p>The <code>PurchaseOrderResponse</code> document will be sent in response to a
    <code>PurchaseOrder</code> document.</p>
  </intro>

  <elementtype name="PurchaseOrderResponse">
    <model>
      <sequence>
        <element type="OrderResponseHeader" />
        <element type="ListOfOrderResponseDetail" />
        <element type="OrderResponseSummary" />
      </sequence>
    </model>
  </elementtype>

</schema>
```

Quantity.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Quantity</h1>

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    <p>EDIFACT QTY: Quantity</p>
  </intro>

  <elementtype name="Quantity">
    <model>
      <sequence>
        <element type="Decimal15_3" name="Qty"/>
        <element type="UnitOfMeasure"/>
      </sequence>
    </model>
  </elementtype>

  <datatype name="QuantityQual">
    <explain>
      <p>Data Element 6063: Quantity qualifier.</p>
    </explain>
    <enumeration datatype="NMTOKEN">
      <explain><p>1=Discrete quantity</p></explain>
      <option>Discrete</option>
      <explain><p>21=Ordered quantity</p></explain>
    </enumeration>
  </datatype>
</schema>
```



```

        <option>Ordered</option>
    <explain><p>59=Number of consumer units in the traded unit</p></explain>
    <option>ConsumerUnitNum</option>
    <explain><p>192=Free goods quantity</p></explain>
    <option>FreeGoods</option>
    <explain><p>37E>Returns replacement quantity (EAN Code)</p></explain>
    <option>ReturnRepl</option>
    <explain><p>83=Backorder quantity</p></explain>
    <option>BackOrdered</option>
    <explain><p>17E=Quantity in lower config level</p></explain>
    <option>UnitsInParent</option>
</enumeration>
</datatype>

<elementtype name="QuantityCoded">
    <extends type="Quantity">
        <append>
            <element type="QuantityQual" name="QtyQual"/>
        </append>
    </extends>
</elementtype>

<elementtype name="ListOfQuantity">
    <explain>
        <p>A container for a list of one or more
        <code>Quantity</code>.</p>
    </explain>
    <model>
        <element type="Quantity" occurs="+"/>
    </model>
</elementtype>

</schema>

```

QuantityRange.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Quantity Range</h1>

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    <p>A <code>QuantityRange</code> is a <code>Range</code> that
    includes a <code>UnitOfMeasure</code>.</p>
  </intro>

  <elementtype name="QuantityRange">
    <extends type="Range">
      <attdef datatype="UOMCode" name="UnitOfMeasure">
        <explain>
          <p>A <code>UnitOfMeasure</code> for the range may be
          specified. If not specified, it is assumed that the
          unit of measure is known from the context the
          <code>Range</code> is used in.</p>
        </explain>
      </attdef>
    </extends>
  </elementtype>

</schema>
```

Range.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Range</h1>

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    <p>A <code>Range</code> defines a minimum and maximum amount of
    something. The <code>Range</code> also identifies the units of
    the minimum and maximum.</p>
    <p>A <code>Range</code> may be defined as a <code>Quantity</code>
    range or a <code>Money</code> range. <code>Quantity</code> ranges
    may have a Unit of Measure. <code>Money</code> ranges may have a
    currency.</p>
  </intro>

  <elementtype name="Range">
    <empty/>
    <attdef datatype="Decimal18_3" name="Min">
      <explain>
        <p>The minimum value of the range. If not specified, there
        is no minimum value, and the range applies to all numbers up
        to the max value.</p>
      </explain>
    </attdef>
    <attdef datatype="Decimal18_3" name="Max">
      <explain>
```

```
    <p>The maximum value of the range.  If not specified, there
    is no maximum value, and the range applies to all values
    below the above the min value.</p>
  </explain>
</attdef>
</elementtype>

</schema>
```

Reference.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Reference</h1>

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    <p>A <code>Reference</code> identifies another document. The
    document may be a contract, an electronically generated message,
    or any of a wide variety of document types.</p>
    <p>The meaning of the reference is usually determined by its use
    in an <code>elementtype</code> tag. For example:</p>
    <p><code>&lt;element type="Reference" name="ContractID"&gt;</code></p>
    <p>is clearly a <code>Reference</code> to a <code>Contract</code>.</p>
    <p>When the meaning of the reference is not known at document
    definition time, a <code>ReferenceCoded</code> may be used instead
    of a <code>Reference</code> to further qualify it.</p>
  </intro>

  <datatype name="RefQual">
    <explain>
      <p>EDIFACT Data Element 1153. Reference Qualifier.</p>
    </explain>
    <enumeration datatype="NMTOKEN">
      <option>Other</option>
      <explain><p>CT=Contract number</p></explain>
      <option>Contract</option>
    </enumeration>
  </datatype>
</schema>
```

```

    <explain><p>AGB=Agreement to pay number</p></explain>
      <option>AgreementToPay</option>
    <explain><p>PAR=Party File Ref number (EAN</p></explain>
      <option>PartyFileRef</option>
    <explain><p>AMW=Buyer's catalogue number</p></explain>
      <option>BuyerCatalog</option>
    <explain><p>VN=Order number (supplier)</p></explain>
      <option>SupplierOrderNum</option>
    <explain><p>ON=Order number (buyer)</p></explain>
      <option>BuyerOrderNum</option>
    <explain><p>BO=Blanket order number</p></explain>
      <option>BlanketOrderNum</option>
  </enumeration>
</datatype>

<elementtype name="Reference">
  <model>
    <sequence>
      <element type="string" name="RefNum"/>
      <element type="datetime" name="RefDate" occurs="?"/>
    </sequence>
  </model>
</elementtype>

</schema>

```

ReferenceCoded.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Reference Coded</h1>

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    <p>A <code>ReferenceCoded</code> identifies another document. It
    extends <code>Reference</code> by supplying a code for the meaning
    of the <code>Reference</code>.</p>
    <p>When the meaning of the reference is known at document
    definition time, an element of <code>type="Reference"</code> is
    typically used. For example:</p>
      <p><code>&lt;element type="Reference" name="ContractID"/&gt;</code></p>
    <p>is clearly a <code>Reference</code> to a <code>Contract</code>.</p>
    <p>When the meaning of the reference is not known at document
    definition time, a <code>ReferenceTyped</code> may be used instead
    of a <code>Reference</code> to further qualify it. For example:</p>
      <p><code>&lt;element type="ReferenceCoded" name="OtherRef"
      occurs="?"/&gt;</code></p>
    <p>May be used to refer to a document of any type.</p>
  </intro>

  <datatype name="ReferenceCode">
    <enumeration datatype="NMTOKEN">
      <option>Other</option>
      <option>CustRefNum</option>
    </enumeration>
  </datatype>
</schema>
```

```

        <option>ContractNum</option>
        <option>PrevProdCat</option>
        <option>PriceListNum</option>
        <option>ProdInqNum</option>
    </enumeration>
</datatype>

<elementtype name="ReferenceCoded">
    <explain>
        <p><code>RefCode</code> - The type of the item being referred
        to.</p>
        <p><code>RefCodeOther</code> - If <code>RefCode</code> is
        <code>Other</code>, the type of the item being referred to.</p>
    </explain>
    <extends type="Reference">
        <append>
            <element type="ReferenceCode" name="RefCode"/>
            <element type="string" name="RefCodeOther" occurs="?"/>
        </append>
    </extends>
</elementtype>

<elementtype name="ListOfReferenceCoded">
    <model>
        <element type="ReferenceCoded" occurs="+"/>
    </model>
</elementtype>

</schema>

```


RelatedPartNum.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Related Part Number</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    <p>A <code>RelatedPartNum</code> is a <code>PartNum</code> with
    some relationship to another part. The relationship is specified
    in an attribute named <code>RelatedPartType</code>.</p>
  </intro>

  <elementtype name="RelatedPartNum">
    <extends type="PartNum">
      <attdef datatype="string" name="RelatedPartType">
        <explain>
          <p>A string identifying the function of a part number
          part number. For example, this could be "ModelNumber".
          to indicate the part number is a model number.</p>
        </explain>
        <required/>
      </attdef>
    </extends>
  </elementtype>

  <elementtype name="ListOfRelatedPartNum">
    <explain>
```

```
    <p>A container for a list of one or more
    <code>RelatedPartNum</code>.</p>
  </explain>
  <model>
    <element type="RelatedPartNum" occurs="+"/>
  </model>
</elementtype>

</schema>
```

RelatedParts.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Related Parts</h1>

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    <p><code>RelatedParts</code> provides lists of part numbers that
    are related to a given part.</p>
  </intro>

  <elementtype name="RelatedParts">
    <explain>
      <p><code>AdditionalIDs</code> - Additional IDs by which this
      product is known. This may include Buyer's part numbers or
      Manufacturer numbers.</p>
      <p><code>CanSubstituteBy</code> - IDs of products that may
      substitute for this part if it this part is not available.</p>
      <p><code>SubstituteBy</code> - IDs of products that are
      substitutes for this part.</p>
      <p><code>SubstituteFor</code> - IDs of products that this
      product is a substitute for.</p>
      <p><code>CrossRef</code> - IDs of products that are
      crossreferenced to this product.</p>
      <p><code>OtherPartNums</code> - IDs that do not fall into any
      of the established categories.</p>
    </explain>
  </elementtype>
</schema>
```

```
<model>
  <sequence>
    <element type="ListOfPartNum" name="AdditionalIDs" occurs="?" />
    <element type="ListOfPartNum" name="CanSubstituteBy" occurs="?" />
    <element type="ListOfPartNum" name="SubstituteBy" occurs="?" />
    <element type="ListOfPartNum" name="SubstituteFor" occurs="?" />
    <element type="ListOfPartNum" name="CrossRef" occurs="?" />
    <element type="ListOfRelatedPartNum" name="OtherPartNums" occurs="?" />
  </sequence>
</model>
</elementtype>

</schema>
```

SpecialCond.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Special Condititons</h1>

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    <p>A <code>SpecialCond</code> is used to indicate that the line
    item is subject to special conditions owing to origin, customs,
    preference, embargo regulations or commercial factors.</p>
    <p>The condition may be selected from a list, or supplied in text.</p>
  </intro>

  <elementtype name="SpecialCond">
    <explain>
      <p><code>CondCode</code> - A coded value for the condition.</p>
      <p><code>CondCodeOther</code> - If <code>CondCode</code> is
      <code>Other</code>, the characteristic being described is named
      here in language specific text.</p>
    </explain>
    <model>
      <sequence>
        <element type="SpecialCondCode" name="CondCode"/>
        <element type="string" name="CondCodeOther" occurs="?"/>
      </sequence>
    </model>
  </elementtype>
```

```

<datatype name="SpecialCondCode">
  <explain>
    <p>A code that represents a special condition. This is based
    on EANCOM codeset 4183.</p>
  </explain>
  <enumeration datatype="NMTOKEN">
    <option>SubjectToBonus</option>
    <option>SubjectToCommission</option>
    <option>PriceIncludesExcise</option>
    <option>PriceIncludesTax</option>
    <option>SubjectToExportRestrictions</option>
    <option>PromotionalPrice</option>
    <explain><p>94</p></explain>
    <option>Service</option>
    <explain><p>103</p></explain>
    <option>Loan</option>
    <explain><p>104</p></explain>
    <option>Rental</option>
    <explain><p>105</p></explain>
    <option>Processing</option>
    <explain><p>106</p></explain>
    <option>Exchange</option>
    <explain><p>109</p></explain>
    <option>Return</option>
  </enumeration>
</datatype>

<elementtype name="ListOfSpecialCond">
  <explain>
    <p>A container for a list of one or more
    <code>SpecialCond</code>.</p>
  </explain>
  <model>
    <element type="SpecialCond" occurs="+"/>
  </model>
</elementtype>

</schema>

```

Status.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Status</h1>

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    <p>This segment is used to provide status information related to
    the currently referenced order.</p>
  </intro>

  <datatype name="StatusEventCode">
    <explain>
      <h3>REPLACES 9011 Status event, coded</h3>
    </explain>
    <enumeration datatype="NMTOKEN">
      <option>Other</option>
      <option>NoInfo</option>
      <option>NewOrder</option>
      <option>Accepted</option>
      <option>NotAccepted</option>
      <option>Processing</option>
      <option>Completed</option>
      <option>Cancelled</option>
      <option>PrepaymentRequired</option>
    </enumeration>
  </datatype>
```

```

<datatype name="StatusReasonCode">
  <explain>
    <h3>9013 Status reason, coded</h3>
  </explain>
  <enumeration datatype="NMTOKEN">
    <option>Other</option>
    <explain><p>17</p></explain>
    <option>CustomsRefusal</option>
    <explain><p>30</p></explain>
    <option>EmptyOnInspection</option>
    <explain><p>210</p></explain>
    <option>DestinationIncorrect</option>
    <explain><p>217</p></explain>
    <option>ExportRestrictions</option>
    <explain><p>219</p></explain>
    <option>ImportRestrictions</option>
    <explain><p>231</p></explain>
    <option>PaymentNotReceived</option>
    <explain><p>23E</p></explain>
    <option>DeliveryDifferentDate</option>
    <explain><p>28E</p></explain>
    <option>DeliveryTooLate</option>
    <explain><p>35E</p></explain>
    <option>IncidentAttributedToSeller</option>
    <explain><p>36E</p></explain>
    <option>IncidentAttributedToTheBuyer</option>
    <explain><p>37E</p></explain>
    <option>IncidentAttributedToTheCarrier</option>
  </enumeration>
</datatype>

<elementtype name="StatusReason">
  <explain>
    <h3>C556 STATUS REASON</h3>
    <p><code>StatusReasonCodeElement</code> - 9013 Status reason,
    coded.</p>
    <p><code>StatusReasonCodeOther</code> - used only when
    <code>Other</code> is selected for the

```



```

        <code>StatusReasonCode</code>.</p>
</explain>
<model>
  <sequence>
    <element type="StatusReasonCode" name="StatusReasonCodeElement"/>
    <element type="string" name="StatusReasonCodeOther" occurs="?"/>
  </sequence>
</model>
</elementtype>

<elementtype name="StatusEvent">
  <explain>
    <h3>C555 STATUS EVENT</h3>
    <p><code>StatusEventCodeElement</code> - Similar to 9011
    Status event.</p>
    <p><code>StatusEventCodeOther</code> - used only when
    <code>Other</code> is selected for the
    <code>StatusEventCode</code>.</p>
  </explain>
  <model>
    <sequence>
      <element type="StatusEventCode" name="StatusEventCodeElement"/>
      <element type="string" name="StatusEventCodeOther" occurs="?"/>
    </sequence>
  </model>
</elementtype>

<elementtype name="ListOfStatusReason">
  <explain>
    <h3>container for StatusReason</h3>
  </explain>
  <model>
    <element type="StatusReason" occurs="+"/>
  </model>
</elementtype>

<elementtype name="Status">
  <explain>
    <h3>STS: Order Status Segment</h3>

```

```
<p><code>StatusEvent</code> - C555 STATUS EVENT.</p>
<p><code>ListOfStatusReason</code> - C556 STATUS REASON.</p>
<p>Elements in segment not needed as we are using EANCOM
document and providing order status.</p>
  <p>C601 STATUS TYPE <br/>
    9015 Status type, coded <br/>
    1131 Code list qualifier <br/>
    3055 Code list responsible agency, coded.</p>
  <p>C555/C556 STATUS EVENT/REASON <br/>
    1131 Code list qualifier <br/>
    3055 Code list responsible agency, coded.</p>
</explain>
<model>
  <sequence>
    <element type="string" name="StatusNote"/>
    <element type="StatusEvent"/>
    <element type="ListOfStatusReason" occurs="?"/>
  </sequence>
</model>
</elementtype>

</schema>
```

Tax.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Tax</h1>

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    <p>This is the SOX version of EDIFACT-based TAX-MOA.<br/>
    The <code>TaxAmount</code> and <code>TaxableAmount</code> are from
    MOA.<br/>
    <code>TaxID</code> is only used when the <code>TaxCategory</code>
    is 'Exempt'.</p>
    <p>C533 and C243 are not included in this version.<br/>
    Attributes Type and <code>TypeAgency</code> are used for C241:
    Duty/Tax/Fee Type.</p>
  </intro>

  <datatype name="TaxFuncQual">
    <explain>
      <p>Data Element 5283: The duty/tax/fee functional qualifier.
      The default for MarketSite 3.0 is 'Tax'.</p>
    </explain>
    <enumeration datatype="NMTOKEN">
      <explain><p>5 Customs duty</p></explain>
      <option>CustomsDuty</option>
      <explain><p>7 Tax</p></explain>
      <option>Tax</option>
    </enumeration>
  </datatype>
</schema>
```

```

        </enumeration>
</datatype>

<datatype name="TaxType">
  <explain>
    <p>Data Element 5153: The duty/tax/fee type, coded. The
      default for MarketSite 3.0 is 'GST'.</p>
  </explain>
  <enumeration datatype="NMTOKEN">
    <explain><p>Goods and services tax</p></explain>
    <option>GST</option>
    <explain><p>Value Added Tax</p></explain>
    <option>VAT</option>
  </enumeration>
</datatype>

<datatype name="TaxCategory">
  <explain>
    <p>Data Element 5305: The duty/tax/fee type, coded. The
      default for MarketSite 3.0 is 'S'.</p>
  </explain>
  <enumeration datatype="NMTOKEN">
    <explain><p>Mutually Defined</p></explain>
    <option>Other</option>
    <explain><p>A Mixed tax rate</p></explain>
    <option>Mixed</option>
    <explain><p>E Exempt from tax</p></explain>
    <option>Exemp</option>
    <explain><p>S Standard rate</p></explain>
    <option>Standard</option>
    <explain><p>G Free export item, tax not charged</p></explain>
    <option>FreeExportItem</option>
    <explain><p>Z Zero rated goods</p></explain>
    <option>Zero</option>
  </enumeration>
</datatype>

<elementtype name="Tax">
  <explain>

```

```

    <p><code>TaxCategoryOther</code> is specified only if
    <code>TaxCategory</code> is '<code>Other</code>.'</p>
</explain>
<model>
  <sequence>
    <element type="Decimal10_4" name="TaxPercent"/>
    <element type="string" name="Location"/>
    <element type="string" name="TaxId" occurs="?"/>
    <element type="Decimal18_3" name="TaxAmount"/>
    <element type="Decimal18_3" name="TaxableAmount"/>
    <element type="string" name="TaxCategoryOther" occurs="?"/>
  </sequence>
</model>
<attdef datatype="TaxFuncQual" name="FuncQual">
  <default>Tax</default>
</attdef>
<attdef datatype="TaxCategory" name="Category">
  <default>Standard</default>
</attdef>
<attdef datatype="TaxType" name="Type">
  <default>GST</default>
</attdef>
</elementtype>
</schema>

```

TermOfDelivery.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Term Of Delivery</h1>

    <p>Copyright Notice</p>
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    Copyright 1999 Commerce One, Inc.</p>
    <p>Permission is granted to use, copy, modify and distribute the
    DTD's, schemas and modules in the Commerce One Common Business
    Library Version 2.0 subject to the terms and conditions specified
    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p>This is the SOX version of EDIFACT-based <code>TOD</code> (Term of Delivery).</p>
  </intro>

  <datatype name="TODFunction">
    <explain>
      <p>EDIFACT Data Element 1153. Reference Qualifier.</p>
    </explain>
    <enumeration datatype="NMTOKEN">
      <option>Other</option>
      <explain><p>2=Condition requested by the customer under which
      the supplier shall deliver.</p></explain>
      <option>Despatch</option>
      <explain><p>4=Indicates that the customer will pick up the
      goods at the supplier.</p></explain>
      <option>CollectedByCustomer</option>
      <explain><p>5=Specifies the conditions under which the
      transport takes place under the responsibility of the
      carrier.</p></explain>
      <option>Transport</option>
      <explain><p>6=Specifies the conditions under which the goods
```

```

        must be delivered to the consignee.</p></explain>
        <option>Delivery</option>
        <explain><p>10E=Indicates that the supplier will arrange the
        delivery of goods.</p></explain>
        <option>DeliveredBySupplier</option>
    </enumeration>
</datatype>

<datatype name="ShippingPaymentMethodCode">
    <explain>
        <p>Data Element 4215: Transport charges method of payment,
        coded. Also, look at
        <tt>http://www.harbinger.com/resource/X12/segments/elements/el146.html</tt>.</p>
    </explain>
    <enumeration datatype="NMTOKEN">
        <option>Other</option>
        <explain><p>CC = Collect</p></explain>
        <option>Collect</option>
        <explain><p>Prepaid but charged to customer</p></explain>
        <option>PrepaidChargeCust</option>
        <explain><p>PO = Prepaid only</p></explain>
        <option>PrepaidOnly</option>
        <explain><p>PP = Prepaid by seller</p></explain>
        <option>PrepaidBySeller</option>
        <explain><p>PU = Customer is responsible for payment of
        pickup charges at shipping point.</p></explain>
        <option>Pickup</option>
        <explain><p>EDI146 - BP</p></explain>
        <option>PaidByBuyer</option>
        <explain><p>EDI146 - TP </p></explain>
        <option>ThirdPartyPay</option>
        <explain><p>EDI146 - PS</p></explain>
        <option>PaidBySeller</option>
        <explain><p>EDI146 - DE</p></explain>
        <option>PerContract</option>
    </enumeration>
</datatype>

<datatype name="TODCode">

```

```

<explain>
  <p>Data Element 4053: Terms of delivery or transport, coded.
  Take a look at: <tt>http://busserv/eancom97/part3/cl3f.htm</tt> for
  more details.</p>
</explain>
<enumeration datatype="NMTOKEN">
  <option>Other</option>
  <explain><p>01E EAN Code</p></explain>
    <option>ContactBeforeDelivery</option>
  <explain><p>04E EAN Code</p></explain>
    <option>CashOnDelivery</option>
  <explain><p>FreightOnBoard</p></explain>
    <option>FOB</option>
  <explain><p>FOB Airport</p></explain>
    <option>FOA</option>
  <explain><p>Free on Rail</p></explain>
    <option>FOR</option>
</enumeration>
</datatype>

<elementtype name="TermOfDelivery">
  <explain>
    <p><code>TODCodeOther</code> is specified only if
    <code>TODCode='Other'</code> Recommended type AlphaNum70</p>
    <p><code>FOBCity</code> - Example of FOB information: FOB
    City: San Francisco, CA  FOB Location:
    SFO-Delta-Air-Line-Warehouse Recommended type AlphaNum35</p>
    <p><code>FOBLocation</code> - Recommended type AlphaNum70</p>
    <p><code>FOBInstruction</code> - Recommended type AlphaNum256</p>
    <p><code>ShippingPaymentMethodOther</code> is only used if
    <code>ShippingPaymentMethod</code> is '<code>Other</code>'
    Recommended type AlphaNum70</p>
    <p><code>TODFunctionOther</code> is specified only if
    <code>TODFunction='Other'</code> Recommended type AlphaNum70</p>
  </explain>
  <model>
    <sequence>
      <element type="TODCode" name="Code"/>
      <element type="string" name="TODCodeOther" occurs="?"/>
    </sequence>
  </model>

```



```
        <element type="string" name="FOBCity" occurs="?" />
        <element type="string" name="FOBLocation" occurs="?" />
        <element type="string" name="FOBInstruction" occurs="?" />
        <element type="ShippingPaymentMethodCode" name="ShippingPaymentMethod" occurs="?" />
        <element type="string" name="ShippingPaymentMethodOther" occurs="?" />
        <element type="string" name="TODFunctionOther" occurs="?" />
    </sequence>
</model>
<attdef datatype="TODFunction" name="TODFunction_a">
    <default>Delivery</default>
</attdef>
</elementtype>
</schema>
```

Transport.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Transport</h1>

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    Copyright 1999 Commerce One, Inc.</p>
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    DTD's, schemas and modules in the Commerce One Common Business
    Library Version 2.0 subject to the terms and conditions specified
    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p>This data structure is a subset of EDIFACT-based TDT=Transport
    Detail. The direction will always be from Supplier To Buyer. The
    <code>BuyerToSupplier</code> direction is reserved for future RMA
    feature.</p>
  </intro>

  <datatype name="TransportMean">
    <explain>
      <p>The combination of Transport Mode and Transport Mean can
      be combined to form Data Element 8067 Mode of transport.</p>
    </explain>
    <enumeration datatype="NMTOKEN">
      <explain><p>mutually defined</p></explain>
      <option>Other</option>
      <option>Standard</option>
      <explain><p>e.g.: Fedex Overnight</p></explain>
      <option>Express</option>
      <explain><p>e.g.: UPS 2nd Day Air</p></explain>
      <option>2Day</option>
    </enumeration>
  </datatype>
</schema>
```

```

        <explain><p>e.g.: UPS 3 Day Select</p></explain>
        <option>3Day</option>
        <option>BestPossible</option>
        <option>NoPreference</option>
    </enumeration>
</datatype>

<datatype name="CarrierCode">
    <explain>
        <p>Carrier Code</p>
    </explain>
    <enumeration datatype="NMTOKEN">
        <explain><p>mutually defined</p></explain>
        <option>Other</option>
        <option>None</option>
        <option>LessTruckLoadCarrier</option>
        <explain><p>for truck load carrier</p></explain>
        <option>CommonCarrier</option>
        <explain><p>United Parcel Service</p></explain>
        <option>UPS</option>
        <explain><p>Federal Express</p></explain>
        <option>Fedex</option>
        <explain><p>DHL</p></explain>
        <option>DHL</option>
        <explain><p>Airborne Express</p></explain>
        <option>Airborne</option>
    </enumeration>
</datatype>

<datatype name="TransitDirection">
    <explain>
        <p>Data Element 8101: Transit direction, coded</p>
    </explain>
    <enumeration datatype="NMTOKEN">
        <explain><p>BS = Buyer to supplier</p></explain>
        <option>BuyerToSupplier</option>
        <explain><p>SB = Supplier to buyer</p></explain>
        <option>SupplierToBuyer</option>
    </enumeration>

```

</datatype>

<elementtype name="Transport">

<explain>

<p><code>Mode</code> - Coded method of transport used for the carriage of the goods.</p>

<p><code>TransportModeOther</code> is used only if the <code>TransportMode</code> is '<code>Other</code>' Recommended string length: AlphaNum70</p>

<p><code>Mean</code> - Code defining the type of the means of transport being utilized.</p>

<p><code>TransportMeanOther</code> is used only if the <code>TransportMean</code> is '<code>Other</code>' Recommended string length: AlphaNum70</p>

<p><code>Carrier</code> - the carrier name, coded. This will be useful for future advance ship notice, etc.</p>

<p><code>CarrierOther</code> is provided only if the <code>Carrier</code> is '<code>Other</code>' Recommended string length: AlphaNum70</p>

<p><code>CustShippingContractNum</code> - Customers provided their shipping contract number to allow supplier to ship goods under specific freight conditions. Recommended string length: AlphaNum35</p>

<p><code>ShippingInstruction</code> - Recommended string length: AlphaNum256</p>

</explain>

<model>

<sequence>

<element type="TransportMode" name="Mode" occurs="?" />

<element type="string" name="TransportModeOther" occurs="?" />

<element type="TransportMean" name="Mean" occurs="?" />

<element type="string" name="TransportMeanOther" occurs="?" />

<element type="CarrierCode" name="Carrier" occurs="?" />

<element type="string" name="CarrierOther" occurs="?" />

<element type="string" name="CustShippingContractNum" occurs="?" />

<element type="string" name="ShippingInstruction" occurs="?" />

</sequence>

</model>

<attdef datatype="TransitDirection" name="Direction">

```
    <explain>
      <p>Most of the time it will be from supplier to buyer. In
        case of return, it will be from buyer to supplier.</p>
    </explain>
    <default>SupplierToBuyer</default>
  </attdef>
</elementtype>

</schema>
```

TransportMode.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">
<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0" >
  <intro>
    <h1>Transport Mode Code</h1>
    <p>Copyright Notice</p>
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    Copyright 1999 Commerce One, Inc.</p>
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    and modules in the Commerce One Common Business Library Version 2.0 subject to the
    terms and conditions specified at <code>http://www.marketsite.net/xml/cbl/copyright.html</code></p>
    <p>
    The TransportModeCode (transport mode code) is the coded representation of names
    of transport modes. A transport mode is the method of transport used for the carriage of goods (as
    defined by
    UN/ECE Recommendation No. 19).</p>
    <p>
    This code set is based on UN/EDIFACT (D.99B) 8067, transport mode name code,
    which specifies UN/ECE Recommendation No. 19.</p>
    <p>
    The UN/EDIFACT website can be found at <code>http://www.unece.org/trade/untdid/welcome.htm.</code></p>
  </intro>

  <datatype name="TransportMode">
    <enumeration datatype="NMTOKEN">
      <explain><p>Indicates that the transport mode is not defined in the code set and should be
      processed using additional information supplied in the referencing data structure.</p></explain>
      <option>Other</option>
      <explain><p>Indication that a mode of transport would be irrelevant, e.g. statistical reporting
      should not take place (for samples, gifts, personal effect, etc.).</p></explain>
      <option>NotApplicable</option>
      <explain><p>Provision is made for separate reporting of inland water transport under InlandWater,
      assuming that appropriate definitions and rules of application will be given, particularly when transport
      covers sea as well as inland waterways</p></explain> <option>Maritime</option>
      <explain><p>Rail</p></explain> <option>Rail</option>
      <explain><p>Road</p></explain> <option>Road</option>
    </enumeration>
  </datatype>

```

```

    <explain><p>Air</p></explain>    <option>Air</option>
    <explain><p>(Active mode of transport unknown) This code is provided for practical reasons, despite
the fact that mail is not a genuine mode of transport.</p></explain>    <option>Mail</option>
    <explain><p>(Active mode of transport unknown) This code is provided for practical reasons, despite
the fact that multimodal transport is not a genuine mode of transport.</p></explain>    <option>MultiModal</
option>
    <explain><p>This code applies to installations for continuous transport such as pipelines, ropeways
and electric power lines. </p></explain>    <option>Fixed</option>
    <explain><p>This code is used only in such cases where the application of waterborne transport is
reported separately with in the framework of a one-digit code.</p></explain>
<option>InlandWater</option>
    <explain><p>This code can be used when the mode is not known or when information on it is not
available at the time of issuing the document concerned.</p></explain>    <option>Unknown</option>
    </enumeration>
</datatype>
</schema>

```

UnitOfMeasure.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0" >

<intro>

    <h1>Unit Of Measure</h1>

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    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p>A <code>UnitOfMeasure</code> identifies the unit used to make a measurement. It has two
    sub-elements:
    <code>UOMCode</code> and <code>UOMCodeOther</code>.
    These have, respectively, values of a <code>UOMCode</code> and a <code>string</code> that
    supplies a non-standard UOM code.</p>

    <p>An XML instance will look something like:</p>
    <p><code>&lt;UnitOfMeasure&gt;</code><br/>
    <code>&lt;UOM&gt;EA&lt;/UOM&gt;</code><br/>
    <code>&lt;/UnitOfMeasure&gt;</code></p>
    <p>If a non-standard code is used, then the <code>UOM</code> element must have a value of
    <code>Other</code>,
    and the <code>UOMOther</code> element must be used:</p>
    <p><code>&lt;UnitOfMeasure&gt;</code><br/>
    <code>&lt;UOM&gt;Other&lt;/UOM&gt;</code><br/>
    <code>&lt;UOMOther&gt;diskette&lt;/UOMOther&gt;</code><br/>
    <code>&lt;/UnitOfMeasure&gt;</code></p>
```



```
    </intro>

<elementtype name="UnitOfMeasure">
  <model>
    <sequence>
      <element name="UOM" type="UOMCode"/>
      <element type="string" name="UOMOther" occurs="?" />
    </sequence>
  </model>
</elementtype>
</schema>
```

UnitPrice.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Unit Price</h1>

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    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p>A <code>UnitPrice</code> identifies the price for one unit of
    an product.</p>
    <p>An XML instance will look something like:</p>
      <p><code>&lt;UnitPrice Currency="USD"&gt;
        1.25
      <code>&lt;/UnitPrice&gt;</code></p>
  </intro>

  <elementtype name="UnitPrice">
    <model>
      <string datatype="Decimal15_4"/>
    </model>
    <attdef datatype="CurrencyCode" name="Currency">
    </attdef>
  </elementtype>

</schema>
```

UOMCode.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">
<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0" >
  <intro>
    <h1>Units of Measure Code</h1>
    <p>Copyright Notice</p>
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    Copyright 1999 Commerce One, Inc.</p>
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    and modules in the Commerce One Common Business Library Version 2.0 subject to the terms
    and conditions specified at http://www.marketsite.net/xml/cbl/copyright.html</p>
    <p>
    The UOMCode (unit-of-measure code) represents a particular quantity, defined and adopted by
    convention, with which other quantities of the same kind are compared in order to express
    their magnitudes relative to that quantity.</p>
    <p>
    This code set is based on UN/CEFACT (UN/ECE) Recommendation 20,
    &quot;Codes for Units of Measure Used in International Trade&quot;; Revised August 1995.
    UN/CEFACT (UN/ECE) Recommendation 20, is specified by UN/EDIFACT (D.99B) element 6411,
    measurement unit code.
    The UN/CEFACT (UN/ECE) website can be found at http://www.unece.org/cefact/.
    The UN/EDIFACT website can be found at http://www.unece.org/trade/untdid/welcome.htm.</p>
  </intro>

  <datatype name="UOMCode">
    <enumeration datatype="NMTOKEN">
      <explain><p>Indicates that the UOM is not defined in the code set and should be processed using
      additional information supplied in the referencing data structure</p></explain>          <option>Other</
      option>
      <explain><p>lift</p></explain>          <option>05</option>
      <explain><p>small spray</p></explain>          <option>06</option>
      <explain><p>heat lot</p></explain>          <option>08</option>
      <explain><p>group</p></explain>          <option>10</option>
      <explain><p>outfit</p></explain>          <option>11</option>
      <explain><p>ration</p></explain>          <option>13</option>
      <explain><p>shot</p></explain>          <option>14</option>
    </enumeration>
  </datatype>
</schema>
```

<explain><p>stick</p></explain> <option>15</option>
 <explain><p>hundred fifteen kg drum</p></explain> <option>16</option>
 <explain><p>hundred lb drum</p></explain> <option>17</option>
 <explain><p>fiftyfive gallon (US) drum</p></explain> <option>18</option>
 <explain><p>tank truck</p></explain> <option>19</option>
 <explain><p>car mile</p></explain> <option>1A</option>
 <explain><p>car count</p></explain> <option>1B</option>
 <explain><p>locomotive count</p></explain> <option>1C</option>
 <explain><p>caboose count</p></explain> <option>1D</option>
 <explain><p>empty car</p></explain> <option>1E</option>
 <explain><p>train mile</p></explain> <option>1F</option>
 <explain><p>fuel usage gallon (US)</p></explain> <option>1G</option>
 <explain><p>caboose mile</p></explain> <option>1H</option>
 <explain><p>fixed rate</p></explain> <option>1I</option>
 <explain><p>ton mile</p></explain> <option>1J</option>
 <explain><p>locomotive mile</p></explain> <option>1K</option>
 <explain><p>total car count</p></explain> <option>1L</option>
 <explain><p>total car mile</p></explain> <option>1M</option>
 <explain><p>quarter mile</p></explain> <option>1X</option>
 <explain><p>twenty foot container</p></explain> <option>20</option>
 <explain><p>forty foot container</p></explain> <option>21</option>
 <explain><p>decilitre per gram</p></explain> <option>22</option>
 <explain><p>gram per cubic centimetre</p></explain> <option>23</option>
 <explain><p>theoretical pound</p></explain> <option>24</option>
 <explain><p>gram per square centimetre</p></explain> <option>25</option>
 <explain><p>actual ton</p></explain> <option>26</option>
 <explain><p>theoretical ton</p></explain> <option>27</option>
 <explain><p>kilogram per square metre</p></explain> <option>28</option>
 <explain><p>pound per thousand square feet</p></explain> <option>29</option>
 <explain><p>radian per second</p></explain> <option>2A</option>
 <explain><p>radian per second squared</p></explain> <option>2B</option>
 <explain><p>rontgen</p></explain> <option>2C</option>
 <explain><p>British thermal unit per hour</p></explain> <option>2I</option>
 <explain><p>cubic centimetre per second</p></explain> <option>2J</option>
 <explain><p>cubic foot per hour</p></explain> <option>2K</option>
 <explain><p>cubic foot per minute</p></explain> <option>2L</option>
 <explain><p>centimetre per second</p></explain> <option>2M</option>
 <explain><p>decibel</p></explain> <option>2N</option>
 <explain><p>kilobyte</p></explain> <option>2P</option>

<explain><p>kilobecquerel</p></explain>	<option>2Q</option>
<explain><p>kilocurie</p></explain>	<option>2R</option>
<explain><p>megagram</p></explain>	<option>2U</option>
<explain><p>megagram per hour</p></explain>	<option>2V</option>
<explain><p>bin</p></explain>	<option>2W</option>
<explain><p>metre per minute</p></explain>	<option>2X</option>
<explain><p>millirontgen</p></explain>	<option>2Y</option>
<explain><p>millivolt</p></explain>	<option>2Z</option>
<explain><p>horse power day per air dry metric ton</p></explain>	<option>30</option>
<explain><p>catch weight</p></explain>	<option>31</option>
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 <explain><p>sack</p></explain> <option>SA</option>
 <explain><p>half year (6 months)</p></explain> <option>SAN</option>
 <explain><p>score</p></explain> <option>SCO</option>
 <explain><p>scruple</p></explain> <option>SCR</option>
 <explain><p>solid pound</p></explain> <option>SD</option>
 <explain><p>section</p></explain> <option>SE</option>
 <explain><p>second</p></explain> <option>SEC</option>
 <explain><p>set</p></explain> <option>SET</option>
 <explain><p>segment</p></explain> <option>SG</option>
 <explain><p>shipping ton</p></explain> <option>SHT</option>
 <explain><p>siemens</p></explain> <option>SIE</option>
 <explain><p>split tanktruck</p></explain> <option>SK</option>
 <explain><p>slipsheet</p></explain> <option>SL</option>
 <explain><p>mile (statute mile)</p></explain> <option>SMI</option>
 <explain><p>square rod</p></explain> <option>SN</option>
 <explain><p>spool</p></explain> <option>SO</option>
 <explain><p>shelf package</p></explain> <option>SP</option>
 <explain><p>square</p></explain> <option>SQ</option>
 <explain><p>strip</p></explain> <option>SR</option>
 <explain><p>sheet metric measure</p></explain> <option>SS</option>
 <explain><p>short standard</p></explain> <option>SST</option>
 <explain><p>sheet</p></explain> <option>ST</option>
 <explain><p>stone (UK)</p></explain> <option>STI</option>
 <explain><p>ton (US) or short ton (UK/US)</p></explain> <option>STN</option>
 <explain><p>skid</p></explain> <option>SV</option>
 <explain><p>skein</p></explain> <option>SW</option>

<explain><p>shipment</p></explain>	<option>SX</option>	
<explain><p>telecommunication line in service</p></explain>	<option>T0</option>	
<explain><p>thousand pound gross</p></explain>	<option>T1</option>	
<explain><p>thousand piece</p></explain>	<option>T3</option>	
<explain><p>thousand bag</p></explain>	<option>T4</option>	
<explain><p>thousand casing</p></explain>	<option>T5</option>	
<explain><p>thousand gallon (US)</p></explain>	<option>T6</option>	
<explain><p>thousand impression</p></explain>	<option>T7</option>	
<explain><p>thousand linear inch</p></explain>	<option>T8</option>	
<explain><p>tenth cubic foot</p></explain>	<option>TA</option>	
<explain><p>kiloampere hour (thousand ampere hour)</p></explain>		<option>TAH</option>
<explain><p>truckload</p></explain>	<option>TC</option>	
<explain><p>therm</p></explain>	<option>TD</option>	
<explain><p>tote</p></explain>	<option>TE</option>	
<explain><p>ten square yard</p></explain>	<option>TF</option>	
<explain><p>thousand square inch</p></explain>	<option>TI</option>	
<explain><p>thousand square centimetre</p></explain>	<option>TJ</option>	
<explain><p>tank, rectangular</p></explain>	<option>TK</option>	
<explain><p>thousand feet (linear)</p></explain>	<option>TL</option>	
<explain><p>tin</p></explain>	<option>TN</option>	
<explain><p>metric ton</p></explain>	<option>TNE</option>	
<explain><p>ten pack</p></explain>	<option>TP</option>	
<explain><p>ten pair</p></explain>	<option>TPR</option>	
<explain><p>thousand feet</p></explain>	<option>TQ</option>	
<explain><p>thousand cubic metre per day</p></explain>	<option>TQD</option>	
<explain><p>ten square feet</p></explain>	<option>TR</option>	
<explain><p>trillion (EUR)</p></explain>	<option>TRL</option>	
<explain><p>thousand square feet</p></explain>	<option>TS</option>	
<explain><p>tonne of substance 90 % dry</p></explain>	<option>TSD</option>	
<explain><p>ton of steam per hour</p></explain>	<option>TSH</option>	
<explain><p>thousand linear metre</p></explain>	<option>TT</option>	
<explain><p>tube</p></explain>	<option>TU</option>	
<explain><p>thousand kilogram</p></explain>	<option>TV</option>	
<explain><p>thousand sheet</p></explain>	<option>TW</option>	
<explain><p>tank, cylindrical</p></explain>	<option>TY</option>	
<explain><p>treatment</p></explain>	<option>U1</option>	
<explain><p>tablet</p></explain>	<option>U2</option>	
<explain><p>torr</p></explain>	<option>UA</option>	
<explain><p>telecommunication line in service average</p></explain>		<option>UB</option>

<explain><p>telecommunication port</p></explain> <option>UC</option>
 <explain><p>tenth minute</p></explain> <option>UD</option>
 <explain><p>tenth hour</p></explain> <option>UE</option>
 <explain><p>usage per telecommunication line average</p></explain> <option>UF</option>
 <explain><p>ten thousand yard</p></explain> <option>UH</option>
 <explain><p>million unit</p></explain> <option>UM</option>
 <explain><p>volt ampere per kilogram</p></explain> <option>VA</option>
 <explain><p>vial</p></explain> <option>VI</option>
 <explain><p>volt</p></explain> <option>VLT</option>
 <explain><p>bulk</p></explain> <option>VQ</option>
 <explain><p>visit</p></explain> <option>VS</option>
 <explain><p>wet kilo</p></explain> <option>W2</option>
 <explain><p>two week</p></explain> <option>W4</option>
 <explain><p>watt per kilogram</p></explain> <option>WA</option>
 <explain><p>wet pound</p></explain> <option>WB</option>
 <explain><p>cord</p></explain> <option>WCD</option>
 <explain><p>wet ton</p></explain> <option>WE</option>
 <explain><p>weber</p></explain> <option>WEB</option>
 <explain><p>week</p></explain> <option>WEE</option>
 <explain><p>wine gallon</p></explain> <option>WG</option>
 <explain><p>wheel</p></explain> <option>WH</option>
 <explain><p>watt hour</p></explain> <option>WHR</option>
 <explain><p>weight per square inch</p></explain> <option>WI</option>
 <explain><p>working month</p></explain> <option>WM</option>
 <explain><p>wrap</p></explain> <option>WR</option>
 <explain><p>standard</p></explain> <option>WSD</option>
 <explain><p>watt</p></explain> <option>WTT</option>
 <explain><p>millilitre of water</p></explain> <option>WW</option>
 <explain><p>chain</p></explain> <option>X1</option>
 <explain><p>square yard</p></explain> <option>YDK</option>
 <explain><p>cubic yard</p></explain> <option>YDQ</option>
 <explain><p>hundred linear yard</p></explain> <option>YL</option>
 <explain><p>yard</p></explain> <option>YRD</option>
 <explain><p>ten yard</p></explain> <option>YT</option>
 <explain><p>lift van</p></explain> <option>Z1</option>
 <explain><p>chest</p></explain> <option>Z2</option>
 <explain><p>cask</p></explain> <option>Z3</option>
 <explain><p>hogshead</p></explain> <option>Z4</option>
 <explain><p>lug</p></explain> <option>Z5</option>

```
<explain><p>conference point</p></explain>    <option>Z6</option>
<explain><p>newspage agate line</p></explain>  <option>Z8</option>
<explain><p>page</p></explain>    <option>ZP</option>
<explain><p>mutually defined</p></explain>    <option>ZZ</option>
</enumeration>
</datatype>
</schema>
```


VarianceQuantity.mod

```
<?xml version="1.0"?>
<!DOCTYPE schema SYSTEM "urn:x-commerceone:document:com:commerceone:xdk:xml:schema.dtd$1.0">

<schema uri="urn:x-commerceone:document:com:commerceone:CBL:CBL.sox$1.0">

  <intro>
    <h1>Variance Quantity</h1>

    <p>Copyright Notice</p>
    <p>Common Business Library 2.0<br/>
    Copyright 1999 Commerce One, Inc.</p>
    <p>Permission is granted to use, copy, modify and distribute the
    DTD's, schemas and modules in the Commerce One Common Business
    Library Version 2.0 subject to the terms and conditions specified
    at <tt>http://www.marketsite.net/xml/cbl/copyright.html</tt></p>

    <p>Variance Quantity</p>
  </intro>

  <elementtype name="VarianceQuantity">
    <explain>
      <p><code>OrderedQtyDifference</code> - The difference between
      the invoiced quantity and the quantity that was ordered.</p>
    </explain>
    <model>
      <element type="Decimal15_3" name="OrderedQtyDifference"/>
    </model>
  </elementtype>

</schema>
```

Schema for Object-Oriented XML 2.0

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Status of this document

This document represents version 2.0 of the Schema for Object-Oriented XML (SOX). It replaces the previous version of the SOX language specification and represents the current, implemented version of the language.

Comments on this document should be sent to brad.snyder@commerceone.com.

1 Abstract

This document describes SOX 2.0, the second version of the Schema for Object-Oriented XML. SOX is a schema language (or metagrammar) for defining the syntactic structure and partial semantics of XML document types. As such, SOX is an alternative to XML DTDs and can be used to define the same class of document types (with the exception of external parsed entities). However, SOX extends the language of DTDs by supporting:

1. An extensive (and extensible) set of datatypes
2. Inheritance among element types
3. Namespaces
4. Polymorphic content
5. Embedded documentation
6. Features to enable robust distributed schema management.

All of these features are supported with strong type-checking and validation. A SOX schema is also a valid XML instance according to the SOX DTD, enabling the application of XML content management tools to schema management.

SOX was initially developed to support the design and deployment of large-scale, distributed electronic commerce applications, but it is a general-purpose schema language for the whole range of markup applications. As compared to XML DTDs, SOX dramatically decreases the complexity of supporting interoperability among heterogeneous applications by facilitating software mapping of XML data structures, expressing domain abstractions and common relationships directly and explicitly, enabling reuse at the document design and the application programming levels, and supporting the generation of common application components.

Although SOX 2.0 retains many of the features of SOX 1.0, it represents an additional year of actual implementation experience. Commerce One has a working implementation of this language and will be releasing products based on it. Our goals in releasing this second version are two-fold:

1. Ensure that the public record accurately reflects the evolution of SOX. Members of the community wishing to understand SOX, build tools using SOX, or interoperate with SOX applications, need access to the current version of the language.
2. Expose some of the fruits of our implementation experience to the general community, particularly to assist in the ongoing work at the W3C to develop an official XML Schema language.

From the markup world, the SOX proposal is informed by the XML 1.0 specification as well as the XML-Data and Document Content Description submissions to the W3C. However, many of SOX's requirements come from the distributed computing world and the development of SOX has been heavily influenced by the Java programming language.

2 Soxtype processing instruction

As a SOX document is not defined by a DTD, the native XML 1.0 Doctype declaration is not appropriate for a document instance to declare SOX Schema information (note that this may not continue to be true once the W3C Schema WG defines an official mechanism). Therefore we have created the *soxtype declaration*, which mimics the XML doctype declaration, but using a processing instruction. The soxtype declaration must be the first statement in a document following the optional XML declaration and declares that the default namespace of this document is that of the given SOX Schema, just as a doctype declaration declares that an XML 1.0 document conforms to the given Document Type Declaration (DTD). The soxtype declaration is not currently intended to coexist in the same document with a doctype declaration, but there is no particular restriction prohibiting this.

The soxtype declaration includes three parts:

3. The PI target, which is *soxtype*.
4. The uri specifying a schema to be the default namespace of the instance.

An example declaration would look like:

```
<?soxtype urn:x-commerceone:document:com:commerceone:schema1.sox$1.0?>
```

Import processing instruction

where the schema definition is located through resolving the urn `urn:x-commerceone:document:com:commerceone:schema1:sox$1.0`. The part following the “\$” gives the version number.

A small sample document would look like:

```
<?soctype urn:x-commerceone:document:com:commerceone:schema1:sox$1.0?>
<Root>
  <Body/>
</Root>
```

The root element of the instance is not required to belong to the default namespace. This will be further elaborated in the discussion of the `import` PI below.

3 Import processing instruction

With the arrival of namespaces and polymorphism, it is no longer necessarily possible to indicate a single schema to which the entire instance conforms. Nevertheless, we require a mechanism to indicate a set of schemata containing definitions for all the element and datatypes appearing in an instance. This function is handled by the `import` processing instruction. The `import` PI contains one argument, an absolute URI indicating a schema.

An example import PI would look like:

```
<?import urn:x-commerceone:document:com:commerceone:schema1:sox$1.0?>
```

where the schema definition is located through resolving the urn `urn:x-commerceone:document:com:commerceone:schema1:sox$1.0`. The part following the “\$” gives the version number.

A small sample document would look like:

```
<?soctype urn:x-commerceone:document:com:commerceone:schema1:sox$1.0?>
<?import urn:x-commerceone:document:com:commerceone:schema2:sox$1.0?>
<Root
  <s2:Body
    xmlns:s2="urn:x-commerceone:document:com:commerceone:schema2:sox$1.0"/
  >
</Root>
```

In the following, the namespace attributes on `Root` overrides the default namespace declared in the `soctype` PI, and `Body` is assumed to also be in `schema2:sox`.

```

<?soxtype urn:x-commerceone:document:com:commerceone:schema1.sox$1.0?>
<?import urn:x-commerceone:document:com:commerceone:schema2.sox$1.0?>
<Root xmlns="urn:x-commerceone:document:com:commerceone:schema2.sox$.0">
  <Body/>
</Root>

```

3.1 Validity constraint

It is not necessary that for every element type appearing in the instance there be a corresponding **import** or **soxtype** processing instruction. Nevertheless, all schema information must be available before processing of the root element begins. We can define a transitive closure property over schemata to accomplish this.

We require each schema declared in a **soxtype** or **import** PI to be processed. Furthermore, if any definition in a schema being processed refers to a definition (**elementtype** or **datatype**) in another schema, that other schema must be processed. The set of imports must be sufficient so that starting with the **soxtype** and the **imports**, and processing all schemata transitively referenced by them, all **elementtypes** and **datatypes** found in the instance will have been processed.

4 Schema definitions

The definition of an XML schema is performed with the **schema** element. The corresponding DTD fragment is:

```

<!ELEMENT schema (intro?,
                  (datatype | elementtype
                   | join
                   | comment | namespace
                  )*) >
<!ATTLIST schema
    prefix      NMTOKEN   #IMPLIED
    uri         CDATA     #REQUIRED
    soxlang-version NMTOKEN #FIXED "V2.0">

```

The following is a minimal valid instance of a schema:

```

<schema uri = "urn:x-commerceone:sampleSchema"/>

```

However it is unlikely there will be many schemata containing no definitions at all.

A **schema** consists of any number of definitions of datatypes or element types (both of which will be explained subsequently). In other words, a schema is a set of definitions, not the set of files, database entries, etc., we use to store a representation of these definitions: the physical storage mechanism we use may change frequently, without the set of definitions being affected at all. A schema may start out as a single file, then be split among

Schema definitions

several files (which would currently be linked using the **join** mechanism described below), before being stored in a database. But despite being stored in three different ways, the set of definitions remains the same, and it is that set which comprises the schema.

Each schema has a unique name to identify it. This name is a URI, given in the **uri** attribute of the **schema** element in a fragment. In essence, it proclaims the set of definitions in this schema element to be a subset of the definitions forming the schema identified by the uri attribute.

The **join** construct allows definitions from externally defined fragments belonging to the same schema to be pulled in.

There are three main classes of symbols created during the construction of a Schema: **elementtype** names, **datatype** names, and **namespace** prefixes. In the current version of the language, both **elementtype** names and **datatype** names are maintained in a single set; it is illegal to use the same name to represent both an element type and a datatype. Prefixes for namespaces, however, are kept separately. It is entirely legal, although potentially confusing, to use the same name for a **namespace** prefix as for an **elementtype** or **datatype**.

NOTE It is our intention to separate the **datatype** and **elementtype** namespaces in a future version of SOX. When we do so, this will be entirely backwards compatible. The expressive power of SOX, however, is unchanged whether the namespaces are separated or coalesced.

The **prefix** attribute specifies a prefix available for referencing names created in this schema. As the current schema is the default namespace for dereferencing names, this is not strictly necessary, however it can be useful when definitions from several namespaces are mixed in close proximity.

The **uri** attribute provides a URI establishing the namespace of this schema fragment. This attribute has become required to prevent accidental name capture through the join mechanism described below. This must be an absolute URI.

The **namespace** element is considered a *declaration*, not a definition. The namespace being declared is defined elsewhere (probably in a Schema file)

N.B. SOX does not deal with a number of linking issues related to the organization of schemata into multiple files.

The **intro** element is available to provide an introduction to the schema as a whole. It consists of a number of HTML elements. The exact allowable contents of **intro** is available in the **htmltext.ent** file reproduced at the end of this document.

4.1 Validity issues

The **join** mechanism specified here will disappear shortly, but the following are the constraints placed on Schema files, aside from strict structural conformance to the DTD.

A Schema is about types. Types are both defined and referenced. Referencing is done using names. Once a type (or namespace) is given a name (or prefix) in a fragment, that name that name is *bound* in that fragment. Names that are only referenced are *free* in that fragment.

A Schema fragment is processed in an *environment*. That environment extends beyond the fragment to include other schemata and the SOX definition itself. This document defines how the environment of a fragment is defined, but does not discuss how it is physically constructed.

A Schema fragment cannot be successfully processed unless all the names that are free in it are bound somewhere in its environment. It is an error for a name to be bound twice in a fragment's environment.

A fragment specifies its environment by providing bindings for all the free names it contains. There are four pieces to its environment that a fragment must specify:

1. The fragment itself. This includes those names defined in the fragment. The fragment specifies this by its own existence.
2. The rest of the Schema this fragment is defined in. This is specified by the **uri** attribute on the **schema** element.
3. Those schemata referenced directly or indirectly from this fragment, as explained below. These are specified in the **namespace** declaration element.
4. The SOX definition. This includes all names defined in this specification or its successors. The version is specified by the **version** attribute of the **schema** element.

Names are either qualified or unqualified. Unqualified names must be defined either in the current fragment, in the rest of the schema, or in the SOX definition. It can only be defined in one of the three. Qualified names must be defined in the schema declared for that name with a namespace declaration. For each qualified name in a fragment there must be a corresponding namespace declaration in the same fragment. The **schema** element itself is considered a namespace declaration for the current namespace, so qualified names using the value in the **prefix** attribute of the **schema** element must resolve to the current schema (although not necessarily in the same fragment). In this version of the language it is an error to create a definition whose local name is ~~either~~ one of the intrinsic datatypes.

5 Namespace declarations

```
<!ELEMENT namespace (explain?)>
```

Namespace declarations

```
<!ATTLIST namespace
      prefix          NMTOKEN    #REQUIRED
      namespace       CDATA      #REQUIRED >
```

All of the names defined in a single Schema belong to the same namespace, and can be used without qualifier. Schemata, however, frequently need to refer to definitions in other namespaces. A namespace declaration allows access to definitions in the referenced schema when appearing with an appropriate prefix attribute. A namespace declaration is scoped to the current schema fragment only. Namespace declarations made in one schema fragment are not visible in other fragments belonging to the same schema, even when referenced through a **join**.

NOTE We will use a *prefix* attribute for the prefix, instead of using colonized names, in accordance with the XSDL spec. The prefix attribute shows up on various elements, including **attdef**, **scalar**, and **extends**, all of which include a reference to a definition.

XML requires the use of qualified names to make such references in document instances. A qualified name in an instance consists of two parts separated by a colon:

- A prefix, which is the value of a prefix attribute specified in a namespace declaration.
- A local name, which corresponds to some name defined in the target namespace.

SOX implements qualified names through the use of two attributes, one for the name, and one for the prefix. Qualified names can be used wherever a reference to a definition is allowed - a schema cannot define a name in another schema, but it can extend an elementtype from another schema, or use a datatype from another Schema.

For example, the following fragment declares the urn:foo namespace and associates it with prefix bar:

```
<namespace prefix = "bar" namespace = "urn:foo"/>
```

If we later need to include a foobar element from the urn:foo namespace in an element type that would be done using the following fragment:

```
<elementtype name = "et">
  <model>
    <element prefix = "bar" type = "foobar" name = "whatever"/>
    <element prefix = "bar" type = "foobar"/>
  </model>
</elementtype>
```

A valid instance of this would be:

```
<et><whatever><bar:foobar xmlns:bar="urn:foo"/></whatever>
  <bar:foobar xmlns:bar="urn:foo"/></et>
```


5.1 Validity issues

Each prefix must be unique within a schema fragment. While it is not a fatal error to declare a non-existent namespace, it is a fatal error to reference an element in a non-existent namespace, or to reference a non-existent element in an existing namespace. Both of these are semantic errors. It is a fatal runtime error if the processor is unable to retrieve a definition during processing. A processor should distinguish among these cases. This specification does not address the issue of how to retrieve definitions.

The value of the namespace attribute of the namespace declaration must be the URI of a schema, as described above. In other words, it must be the same as the value appearing in the uri attribute of the schema element of files which define that schema.

6 Explain element

The **explain** element exists inside several different SOX constructs. It provides a hook for including documentation within a schema and exploits commonly known HTML constructs.

```
<!ELEMENT explain (title?, synopsis?, (%html.block;)+) >
```

The **title** and **html.block** elements are common HTML constructs whose exact definitions are specified in the **htmltext.ent** file included at the end of this document. The **synopsis** is used to give a purpose or synopsis to the thing being **explained**. It is a single paragraph of text.

6.1 Validity constraint

Because it is HTML embedded in XML, all the HTML constructs must be used in a well-formed manner. It is common to take advantage of SGML tag minimization in writing HTML documents, but that would result in well-formedness errors in a SOX schema.

7 Element type definitions

In XML Schema documents, element type definitions reproduce the expressiveness of XML element type declarations using explicit element and attribute markup. An element type may be defined by using the **element-type** element with the required **name** attribute, and a subordinate **model** or **extends** element (both of which will be described subsequently).

The corresponding DTD fragment is:

```
<!ELEMENT elementtype  
      (explain?, (extends | ((empty|model), (attdef)*)))>
```

Element type definitions

```
<!ATTLIST elementtype
            name          NMTOKEN    #REQUIRED >
```

The following example defines an element type of name *inline*:

```
<elementtype name="inline">
  <explain>
    <synopsis>This defines the <em>inline</em> element</synopsis>
  </explain>
  <model>
    <string/>
  </model>
</elementtype>
```

A mechanism for attaching attributes to an element type is described later.

7.0.1 Valid instance

A valid instance for this fragment would be:

```
<inline>This is a string</inline>
```

7.1 Element type name

The name of an element type may be any valid unqualified XML element type name corresponding to the **Name** production in the XML 1.0 language definition. The name must be unique among the names of element types and datatypes defined in the current Schema, which includes the current document or other documents belonging to the same Schema processed through the **join** mechanism or other resolution mechanism.

An element type may be referenced by the **element** and **extends** elements.

It is a fatal error to re-assign an element name, or to reference an element type which is not defined.

The value of the **name** attribute must be unique across all **elementtype** names defined in this schema.

7.2 Content model

The content model of an element type defines the structure and composition of an element of that type in an XML instance. The definition of a content model in XML Schema documents extends the expressiveness of XML DTDs by providing greater specificity of the minimum and maximum number of times some content model atom may be repeated. This allows an XML Schema designer with more precise control than is offered by XML's *, ? and + occurrence indicators.

The DTD fragment corresponding to an content model definition is:

```
<!ELEMENT model
```

(string | element | choice | sequence)>

7.2.1 Empty content specification

An **empty** atom is used to indicate that an element may not contain any content, as in the case of the **BR** element below:

```
<elementtype name="BR">
  <empty/>
</elementtype>
```

In order to properly support extensibility (explained below) an **empty** content model is considered to be an empty **sequence**.

Valid instances are:

```
<BR/>
```

or:

```
<BR></BR>
```

7.2.2 String content model atom

The **string** atom indicates that a content model is simply string content and is an evolution of **#PCDATA**. It can be used as in the example above. In addition, the string value may be constrained to be of a particular datatype defined by the optional **datatype** attribute (and **prefix**, if the datatype is in another schema) as can be seen in the DTD fragment:

```
<!ELEMENT string
      EMPTY>
<!ATTLIST string
      prefix      NMTOKEN      #IMPLIED
      datatype    NMTOKEN "string" >
```

Any element type with **string** in its content model is considered to be a choice group with an **occurs** value of “*”. This is consistent with the XML 1.0 spec which requires that any content model containing **#PCDATA** be in a choice with a Kleene star. It is unclear if this restriction will be maintained in the Schema world.

In the example below, the *size* element type’s content model is string content constrained to be an **int**:

```
<elementtype name="size">
  <model>
    <string datatype="int" />
  </model>
</elementtype>
```

Element type definitions

A valid example of this would be:

```
<size>12345</size>
```

However the following would not be valid:

```
<size>12r34</size>
```

7.2.3 Element content model atom

A content model may also comprise zero or more repetitions of another element. The DTD fragment for this definition is:

```
<!ELEMENT element
      EMPTY>
<!ATTLIST element
      prefix      NMTOKEN      #IMPLIED
      type        NMTOKEN      #REQUIRED
      name        NMTOKEN      #IMPLIED
      occurs      CDATA        #IMPLIED >
```

The defined **element** is an instance of either a previously defined datatype or element type, which is referred to by the required **type** attribute. As before, it is a fatal error to reference a datatype or element type that is not defined.

For purposes of extensibility, a content model with just one **element** is considered a **sequence** of length one.

The **name** attribute may be used to assign a name to the defined **element** when it appears in an instance. As datatypes are not also element types, the **name** attribute must have a value when **type** references a datatype. When **name** is specified, this shows up as an additional element wrapping an element of the referenced type.

The following fragment demonstrates the use of **name**. The type **int** refers to the built-in integer datatype:

```
<elementtype name = "paragraph">
  <model>
    <string/>
  </model>
</elementtype>

<elementtype name = "block">
  <model>
    <sequence>
      <element name = "p" type = "paragraph"/>
      <element name = "position" type = "int"/>
    </sequence>
  </model>
</elementtype>
```

```
</model>
</elementtype>
```

A valid instance would look like this:

```
<block><p><paragraph>this is the paragraph</paragraph></p><position>12345</position></block>
```

The following would not be valid:

```
<block><paragraph>you must use the name</paragraph><int>1</int></block>
```

The **occurs** attribute indicates the number of repetitions of the instanced **element**. It can take on the values of:

- one of the Kleene operators, “*” (0 or more repetitions), “?” (0 or 1 repetitions) or “+” (1 or more repetitions)
- a value of the form “N1,N2” (a value between a minimum of N1 and a maximum of N2 occurrences) where N1 and N2 are non-negative integers (N1 <= N2)
- a value of the form “N1,*” where N1 is a non-negative integer. This indicates at least N1 occurrences but no upper maximum

We will call an occurs where N1 is not equal to N2 an *indefinite occurs*. The degenerate case of “0,0” is allowed and means exactly 0 repetitions, which is treated the same as if the declaration did not occur.

NOTE Values of the form “N1,N2” and “N1,*” are not currently supported. They will be treated as an **occurs** of “+” if N1 is greater than 0, or as a “*” otherwise.

In the following example, the definition of the content model for a **list** element type specifies that it contains a minimum of 2 and a maximum of 9 **item** elements.

```
<elementtype name="list">
  <model>
    <element type = "item" occurs="2,9"/>
  </model>
</elementtype>
```

A valid instance of the above would be:

```
<list><item/><item/></list>
```

Element type definitions

7.2.4 Choice content model atom

The **choice** atom defines a content model to comprise one of a set of choices of **element**, **choice** or **sequence** content models. The relevant DTD fragment is:

```
<!ELEMENT choice
      ((element|choice|sequence),
       (element|choice|sequence)+) >
<!ATTLIST choice
      name          NMTOKEN    #IMPLIED
      occurs        CDATA      #IMPLIED >
```

As with **element**, the **occurs** attribute specifies the number of repetitions, and it can take the same values as defined earlier.

In the following example, the **dl** element type's content model specifies that either a single **dt** or a single **dd** element is allowed.

```
<elementtype name="dl">
  <model>
    <choice>
      <element type="dt"/>
      <element type="dd"/>
    </choice>
  </model>
</elementtype>
```

A valid instance would be:

```
<dl><dt/></dl>
```

or

```
<dl><dd/></dl>
```

but not:

```
<dl><dd/><dt/></dl>
```

7.2.5 Sequence content model atom

The sequence atom defines a content model to consist of the specified **element**, **choice** or **sequence** content models appended together in the order specified. The relevant DTD fragment is:

```
<!ELEMENT sequence
      ((element|choice|sequence),
```

```

                (element|choice|sequence)+) >
<!ATTLIST sequence
                name          NMTOKEN    #IMPLIED
                occurs        CDATA      #IMPLIED >

```

As before the **occurs** attribute specifies the number of repetitions of the entire **sequence**, and it can take the same values as defined earlier.

In the following example, the **d1** element type's content model specifies that a single **dt** followed by a single **dd** is allowed.

```

<elementtype name="d1">
  <model>
    <sequence>
      <element type="dt"/>
      <element type="dd"/>
    </sequence>
  </model>
</elementtype>

```

A valid instance would be:

```
<d1><dt/><dd/></d1>
```

7.2.6 Combining content model atoms

The various content model atoms defined above may be combined to allow the definition of complex content models.

For example, the **d1** element type's content model below specifies that a **dh** is followed by two or more **dt** or **dd** elements.

```

<elementtype name="d1">
  <model>
    <sequence>
      <element type="dh"/>
      <choice occurs="2,*">
        <element type="dt"/>
        <element type="dd"/>
      </choice>
    </sequence>
  </model>
</elementtype>

```

A valid instance would be:

Elementtype inheritance

```
<d1><dh/><dt/><dd/><dd/><dt/></d1>
```

7.3 Validity Issues

The **occurs** attribute may not occur on the outermost **sequence** or **choice** in an **elementtype** definition. This is the **sequence** or **choice** immediately contained within **model**. The outermost **sequence** or **choice** within the **model** must occur exactly once.

The value of the name attribute (if any) given to an element, choice, or sequence, must be unique within the innermost enclosing construct. For example, the following is legal:

```
<sequence>
  <element name = "a" type = "string"/>
  <element name = "b" type = "int"/>
</sequence>
```

while the following is not:

```
<sequence>
  <element name = "a" type = "string"/>
  <element name = "a" type = "int"/>
</sequence>
```

Likewise, the following is valid:

```
<sequence>
  <element name = "a" type = "string"/>
  <sequence name = "c">
    <element name = "a" type = "string"/>
    <element name = "c" type = "int"/>
  </sequence>
  <element name = "b" type = "string"/>
</sequence>
```

8 Elementtype inheritance

As in object-oriented inheritance, an element may specialize (or subclass) from another element by inheriting its structure and then adding on to its content model. Inheritance is specified using the **extends** construct, and the relevant DTD fragment is:

```
<!ELEMENT extends (append?, attdef*)>
<!ATTLIST extends
    prefix      NMTOKEN      #IMPLIED
```



```

                type          NMTOKEN    #REQUIRED >
<!ELEMENT append
        (element | choice | sequence)+>

```

The **type** attribute refers to the base element type that is being extended, and the structure of the **append** atom has the same contents as that of **model**. The base type must be already defined. The contents of the **append** element are added to the end of the parent's content model (the outermost **sequence**). Note that the **append** element has been made optional. This makes it possible to declare semantically distinct element types whose structures remain the same as that of some common parent.

In the following example, the element type **datednote** has the content model of the element type it extends (**note**) with an appended date (using the intrinsic date datatype). The **multinote** element type polymorphically can use either..

```

<elementtype name="note">
  <model><element type = "p" occurs = "+"></model>
</elementtype>

<elementtype name="datednote">
  <extends type="note">
    <append>
      <element type="date" name = "adate">
        <element type="time" name = "atime" occurs = "?"/>
    </append>
  </extends>
</elementtype>

<elementtype name = "multinote">
  <element type = "note" occurs = "+"/>
</elementtype>

```

The following is a valid instance of **multinote**:

```

<multinote><note><p>This is a plain note</p></note><datednote><p>This is a
dated note</p><adate>19981209</adate><atime>10:23:32</atime></datednote></
multinote>

```

8.1 Interaction of namespaces and extension in document instances

SOX permits an elementtype in one namespace to extend an elementtype in another Schema. In order to work correctly with the current draft of the W3C Namespace Recommendation, each element in an instance belongs to the namespace in which it was declared. In the above example, if **note** were declared in schema **Foo.sox** and

Elementtype inheritance

both `datednote` and `multinote` in `Bar.sox`, then the following would be an appropriately prefixed version of the above example:

```
<bar:multinote xmlns:foo="Foo.sox" xmlns:bar="Bar.sox">
<foo:note><foo:p>This is a plain note</foo:p></foo:note>
<bar:datednote><foo:p>This is a dated note</foo:p>
<bar:adate>19981209</bar:adate><bar:atime>10:23:32</bar:atime>
</bar:datednote></bar:multinote>
```

A preferred solution would be to consider local names as being in the namespace of the elementtype they are declared in (or its subtypes) and therefore need not be prefixed. This would be similar to the treatment of attributes.

8.2 Validity issues

In order to support extensibility, each elementtype must be either a choice or a sequence. By default:

1. an **empty** elementtype is considered to be an empty sequence.
2. An elementtype with a model of just **element** is considered to be a sequence.
3. An elementtype with a model of **string** is considered to be a choice.

There are some constraints placed on the form of content models to avoid ambiguous models and interminable documents. These are an extension of similar restriction in XML 1.0.

For any possible path in the parse tree from an element to a descendant of itself there must be an intervening optional node (`?`, `*`, or indefinite occurs) or intervening choice node with at least two children. This assures that infinite documents are not required.

For any optional node in the parse tree (`?`, `*`, `+`, indefinite occurs, or choice), none of the descendants of elements in its first set may be in its follow set.

These conditions continue to hold when extending an elementtype.

Due to the desire to maintain substitutability of extended elementtypes with their base type, SOX 2.0 does not allow the extension of elementtypes whose content model is choice. In order to maintain substitutability, any element extending a choice would need to be a subtype of something already in the choice, so it would already be valid in the parent type.

When extending a sequence with a occurs of indefinite extent, the resulting content model must be checked for ambiguity with itself. In other words, if the parent model was x^* , where x is some content model, then the content model xx (x followed immediately by x) must have been unambiguous. If the child model is now $x+e$ (i.e., x plus some additional element), then the content model $(x+e)(x+e)$ must still be unambiguous.

Within an **element**, the value of the **name** attribute is scoped to the surrounding **elementtype**. It neither creates nor prevents the creation of a top level definition using the same name. However, in order to maintain backwards compatibility with XML 1.0, the binding between **name** and **type** must be global. In other words, once a name has been used with a particular type, it cannot be used with another type. We expect this restriction to be relaxed in a future version.

9 Datatypes

Along the lines of being able to define element types, XML Schema provides the means to define and refer to datatypes. XML Schema defines a set of intrinsic datatypes, listed below, from which user-defined datatypes may be derived. Some of these have been referred to elsewhere in this document. It also (currently) provides the **datatype** element for actually defining new datatypes. The appropriate DTD fragment is:

```
<!ELEMENT datatype
      (explain?, (enumeration|scalar|varchar)) >
<!ATTLIST datatype
      name          NMTOKEN    #REQUIRED >
```

The value of the name attribute specifies the name of the new datatype. This must be unique across all the datatypes defined for this schema. The three operators, **enumeration**, **scalar**, and **varchar** (all further described below), each derive a new datatype from an existing datatype. The existing datatype can be either one of the intrinsic types, or some other user-defined datatype, whether in this schema or another. Both **scalar** and **varchar** have some restrictions on which datatypes they can extend, as described below.

9.1 Intrinsic datatypes

The intrinsic datatypes define the domains of the atomic data units in XML Schema documents. The list below includes those datatypes defined intrinsic to this version of the Schema language.

boolean

A value of either “true” or “false”

string

A sequence of characters.

Format: X*

URI

Datatypes

A sequence of characters forming a valid URI:

number

An infinite precision number.

Format: $[+-][0-9]*[.'?][0-9]*?$

float

A single precision floating point number in the range $-3.40282347 * 10E38$ to $3.40282347 * 10E38$

Format: $[+-][0-9]*[.'?][0-9]*?$

double

A double precision floating point number in the range $-1.17549435 * 10E308$ to $1.17549435 * 10E308$

Format: $[+-][0-9]*[.'?][0-9]*?$

int

An integer in the range -2,147,483,648 to 2,147,483,647

Format: $[+-]?[0-9]*$

long

An integer in the range -9,223,372,036,854,775,808 to 9,223,372,036,854,775,807

Format: $[+-]?[0-9]*$

byte

An integer in the range -128 to 127

Format: $[+-]?[0-9]*$

ID

An ID is a name which must be unique within the instance and names the node for which it is defined. The value of an ID cannot be reused within the instance.

Format: NMTOKEN production of XML 1.0 specification.

IDREF

An IDREF must contain the value of an ID string declared elsewhere in the document.

IDREFS

A list of whitespace delimited IDREF values.

NMTOKEN

A string corresponding to the values of the NMTOKEN production of the XML 1.0 specification.

NMTOKENS

A list of whitespace delimited NMTOKEN values.

date

A date including month, day, and year

Format: YYYYMMDD

time

A time accurate to the nearest second with optional offset from GMT

Format: HH:MM:SS[+/-]HH:MM)?

datetime

A combination Date and Time. Note the presence of a “T” character between the date and time portions, and the use of colons to separate hours, minutes, and seconds. These are as per ISO 8601.

Format: YYYYMMDDTHH:MM:SS[+/-]HH:MM)? (the first MM is Months, the other two are minutes)

9.2 Enumeration datatypes

XML Schema documents provide a mechanism for defining enumerations to constrain attribute or element string content. An **enumeration** datatype is a finite set of values enumerated by the **option** elements inside the **enumeration** element.

```
<!ELEMENT enumeration
      (explain?, option)+ >
<!ATTLIST enumeration
      prefix          NMTOKEN #IMPLIED
      datatype        NMTOKEN  #REQUIRED >

<!ELEMENT option (#PCDATA)* >
```

The **datatype** attribute of the enumeration specifies the intrinsic (see list above) or user-defined datatype (i.e., other **enumeration**, **varchar**, or **scalar**) being refined. If the datatype is not defined in this Schema, then the prefix of the appropriate schema must be specified.

Each **option** has a value representing a valid value for the **datatype** being extended.

The following example demonstrates the definition and use of an enumeration datatype:

```
<datatype name="colortype">
```

Datatypes

```
<enumeration datatype="NMTOKEN">
  <option>Red</option>
  <option>Blue</option>
  <option>Green</option>
</enumeration>
</datatype>

<elementtype name="car">
  <empty/>
  <attdef name="color" datatype="colortype"><required/></attdef>
</elementtype>

<elementtype name="bus">
  <model>
    <element name="color" type="colortype">
  </model>
</elementtype>
```

The following are valid instances:

```
<car color="Red"/>

<bus><color>Blue</color></bus>
```

9.3 Scalar datatypes

Scalar datatypes are used for creating subtypes of **number**. The relevant DTD fragment is:

```
<!ELEMENT scalar EMPTY >
<!ATTLIST scalar
    prefix           NMTOKEN      #IMPLIED
    datatype         NMTOKEN      "number"
    digits           CDATA        #IMPLIED
    decimals         CDATA        #IMPLIED
    minvalue         CDATA        #IMPLIED
    maxvalue         CDATA        #IMPLIED
    minexclusive     (true | false) "false"
    maxexclusive     (true | false) "false" >
```

Digits specifies the maximum number of digits for the integral part of the number, **decimals** specifies the maximum number of digits for the fraction part of the number. The following constraints must hold:

- If the datatype is a subtype of **int**, **long**, or **byte**, then **decimals** must be unspecified or 0.

- **Minvalue** specifies the low end of the range of possible values. **Maxvalue** specifies the high end. **Minvalue** must be less than or equal to **maxvalue**.
- If **minvalue** (respectively, **maxvalue**) is unspecified, then it is either the minimum (resp. maximum) possible value given the specified values of digits and decimals, or it is the value specified by the parent datatype. Both **minvalue** and **maxvalue** must be specifiable with the given values for **digits** and **decimals**, or must be expressible as proper values for the parent class.
- **Minexclusive** and **maxexclusive** determine whether the minimum number, respectively largest number, in the range is included.
- The values for **digits** and **decimals** must be non-negative integers. Both must be less than or equal to the values specified (if any) for the parent class.
- The value of the datatype must be either one of the intrinsic scalar datatypes (**byte**, **long**, **int**, **float**, **double**, **number**), or of a scalar datatype derived from one of these intrinsics.

An example scalar would be:

```
<scalar digits = "4" decimals = "3" minvalue = "-9999" maxvalue = "8888"
    minexclusive="true"/>
```

The following are valid: -9998.999, 8887.999, 0.0, 8888.

The following are invalid: -9999, 8888.001.

The **number** datatype covers all rational numbers which can be finitely specified as a decimal (i.e., it does not cover infinitely repeating decimals, such as 1/9, or irrational reals, such as π). The other intrinsic classes are designed to be easily mappable to existing datatypes in common programming languages.

9.4 Varchar types

Varchar, adapted from SQL, is for specifying string types with fixed maximum length.

```
<!ELEMENT varchar EMPTY>
<!ATTLIST varchar
    prefix NMTOKEN #IMPLIED
    datatype NMTOKEN "string"
    maxlength CDATA #REQUIRED>
```

The value of **maxlength** must be a non-negative integer.

An example varchar use is:

```
<datatype name = "var">
    <varchar maxlength = "4"/>
```

Attribute definitions

```
</datatype>
<elementtype name = "wrap">
  <model>
    <string datatype = "var"/>
  </model>
</elementtype>
```

A valid instance would be:

```
<wrap>abc</wrap>
```

as would:

```
<wrap>abcd</wrap>
```

An invalid instance would be:

```
<wrap>abcde</wrap>
```

9.5 Validity issues

Float, **double**, **int**, **long**, and **byte** are all predefined scalar types. This means they can be used as base types for any new definition of a **scalar** and can be referenced as datatypes. The value of **maxlength** in **varchar** must be greater than or equal to 0. Note that a length of 0 implies an empty string. The datatype of a **varchar** must be either another **varchar** or one of **string**, **NMTOKEN**, **NMTOKENS**, **ID**, **IDREF**, or **IDREFS**.

The names of the intrinsic types are reserved by SOX. It is an error to define a datatype or elementtype using the name of one of the intrinsic types.

10 Attribute definitions

Attribute definitions in XML Schema documents may be defined as part of the element type definition. An attribute definition has a name and a type, and must include a presence element. The relevant fragment of the DTD is:

```
<!ELEMENT attdef
    (explain?, (enumeration | scalar | varchar)?,
    (required|implied|default|fixed)?)>
<!ATTLIST attdef
    name          NMTOKEN    #REQUIRED
    prefix        NMTOKEN    #IMPLIED
    datatype      NMTOKEN    #IMPLIED>
```


The name of the attribute is defined by the value of **name**, and it may be of a certain **datatype**. It must be unique among the attributes for this **elementtype**. If a value is not given for the **datatype** attribute and the **attdef** does not contain an **enumeration**, **scalar**, or **varchar**, then a datatype of **string** is assumed.

An attribute value's presence in an instance may be specified as **default**, **fixed**, **required** or **implied**, as in the XML specification. If no value is given for the presence, then it defaults to **implied**. In all cases, the value of an attribute must be valid for its datatype. The DTD fragment for the presence elements is:

```
<!ELEMENT default
          (#PCDATA) >
<!ELEMENT fixed
          (#PCDATA) >
<!ELEMENT required
          EMPTY >
<!ELEMENT implied
          EMPTY >
```

A **default** presence indicates that the value of the attribute is automatically set to the default value if none is specified. In an instance, if the attribute is defined to have another value, the default is ignored.

A **fixed** presence indicates that the value of the attribute is assumed to be the fixed value if no value is specified. The attribute may also be explicitly assigned exactly this fixed value. In an instance, if the attribute is defined to have a different value, this signals a fatal error.

An empty value can be specified for **default** or **fixed**.

A **required** presence indicates that in an instance, whenever the parent element appears, this attribute must be assigned a value.

And finally, an **implied** presence indicates that this attribute is entirely optional and no default value is specified for the case where it is not present.

In XML Schema documents, unlike XML DTDs, enumerations may be specified for any attribute type. This information will be lost if an XML DTD is generated from an XML Schema document, except for attributes of type **NMTOKEN**, indicating a name token. If there is an **enumeration** specified for an attribute and also a **fixed** or **default** value, then that **fixed** or **default** value must be a member of the **enumeration**.

Thus, example attribute definitions (within the definition of an **elementtype**, of course) might be:

```
<elementtype name="car">
  <empty/>
  <attdef name = "owner" datatype = "string"/>
```

Including schema files

```
<attdef name="color">
  <enumeration datatype="NMTOKEN">
    <option>Red</option>
    <option>Blue</option>
    <option>Green</option>
  </enumeration>
  <required/>
</attdef>
</elementtype>
```

An instance corresponding to this definition would look like:

```
<car color="Blue" owner = "John Smith"/>
```

10.1 Validity constraints

It is a fatal error for the **datatype** attribute of the **attdef** element to have a value if there is an enclosed **enumeration**, **scalar**, or **varchar**.

11 Including schema files

An externally-defined schema file whose definitions belong to the same namespace may be pulled in and parsed with the current schema definition. This is accomplished using the **join** construct. The relevant fragment of the DTD is:

```
<!ELEMENT join
  (explain?)>
<!ATTLIST join
  datatype    NMTOKEN    #FIXED "schema"
  public      CDATA      #IMPLIED
  system      CDATA      #REQUIRED>
```

The **datatype** attribute is fixed as only schemas may be included for now. The **public** attribute is the public identifier of the file as defined in the XML 1.0 specification. The **system** attribute is the URI of the file containing the schema definition to be lexically included. The entity manager must resolve this URI.

A **joined** file is read only once by the parser. The parser determines identity between files by comparison of the values of the **system** attribute. It is not illegal for two **join** elements to reference the same URI, but one will be ignored. It is a user error to use two different URIs which ultimately map to the same file. Note that reading a fragment twice will cause an error as the schema processor will create all its definitions twice.

11.1 Validity issue

The joined file must belong to the same namespace as the joining one, as identified by the URI attribute of the root elements.

In the current implementation, both **namespace** and **join** elements use URIs to point to external files, and processing a namespace involves retrieving the physical file referenced by the **namespace** element. It is not an error for a **join** element to reference this file again, however it is a runtime error for that file to actually be retrieved a second time. In other words, no fragment for a schema is to be processed more than once.

12 SOX DTD

```
<!-- ***** -->
<!-- SOX DTD -->
<!-- PUBLIC "-//Commerce One Inc.//DTD SOX 2.0//EN" -->
<!-- SYSTEM "schema.dtd" -->

<!-- Copyright:      Commerce One Inc., 1997, 1998, 1999

      Date created:   17 Dec 1997
      Date revised:   03 June 1999
      Version:        2.0
-->

<!-- ***** -->

<!-- ***** -->
<!-- Schema for Object Oriented XML
      ***** -->
<!-- ***** -->

<!ENTITY % htmltext SYSTEM "htmltext.ent">
%htmltext;

<!ELEMENT schema (intro?, (datatype | elementtype |
                          join | comment | namespace)*) >
<!ATTLIST schema
      prefix      NMTOKEN      #IMPLIED
      uri         CDATA        #REQUIRED
      soxlang-version NMTOKEN  #FIXED "V0.2.2">
```

```

<!-- ***** -->
<!-- ELEMENTS ***** -->
<!-- ***** -->
<!-- An Element Type definition requires a name.
      It is defined to extend a named element,
      as an instance of a named element,
      as an EMPTY or ANY element with optional attribute definitions,
      or with a content model with optional attribute definitions. -->

<!ELEMENT elementtype
      (explain?, (extends | ((empty|model), (attdef)*)))>
<!ATTLIST elementtype
      name          NMTOKEN      #REQUIRED >

<!ELEMENT empty EMPTY >

<!-- ***** -->
<!-- MODEL ***** -->
<!-- ***** -->

<!ELEMENT model
      (string|element|choice|sequence)>

<!ELEMENT extends (append?, attdef*)>
<!ATTLIST extends
      prefix NMTOKEN #IMPLIED
      type   NMTOKEN  #REQUIRED >

<!ELEMENT append
      (element|choice|sequence)+>

<!ELEMENT element EMPTY >
<!ATTLIST element
      prefix NMTOKEN #IMPLIED
      type   NMTOKEN  #REQUIRED
      name   NMTOKEN  #IMPLIED
      occurs CDATA    #IMPLIED >

<!ELEMENT string EMPTY >
<!ATTLIST string
      prefix NMTOKEN #IMPLIED

```

```

        datatype    NMTOKEN "string" >

<!ELEMENT choice
        ((element|choice|sequence),
         (element|choice|sequence)+) >

<!ATTLIST choice
        name        NMTOKEN    #IMPLIED
        occurs      CDATA      #IMPLIED >

<!ELEMENT sequence
        ((element|choice|sequence),
         (element|choice|sequence)+) >

<!ATTLIST sequence
        name        NMTOKEN    #IMPLIED
        occurs      CDATA      #IMPLIED >

<!-- replacement for "include" -->
<!ELEMENT join
        (explain?)>

<!ATTLIST join
        datatype    NMTOKEN    #FIXED "schema"
        public      CDATA      #IMPLIED
        system      CDATA      #REQUIRED>

<!-- ***** -->
<!-- ATTRIBUTES ***** -->
<!-- ***** -->

<!-- An attribute definition has a name and datatype, and must have
a presence element "required|implied|default|fixed" included.
It may have a namespace associated with it, or inherit
enumeration is supposed to define the domain of acceptable valu
-->

<!ELEMENT attdef
        (explain?, (enumeration | scalar | varchar)?,
         (required|implied|default|fixed)?)>

<!ATTLIST attdef
        name        NMTOKEN    #REQUIRED
        prefix      NMTOKEN    #IMPLIED
        datatype    NMTOKEN    #IMPLIED>

```

```

<!ELEMENT default
      (#PCDATA) >
<!ELEMENT fixed
      (#PCDATA) >
<!ELEMENT required
      EMPTY >
<!ELEMENT implied
      EMPTY >

<!-- ***** -->
<!-- DATATYPE ***** -->
<!-- ***** -->
<!ELEMENT datatype
      (explain?, (enumeration|scalar|varchar)) >
<!ATTLIST datatype
      name          NMTOKEN    #REQUIRED >

<!ELEMENT enumeration
      (explain?, option)+ >
<!ATTLIST enumeration
      prefix        NMTOKEN    #IMPLIED
      datatype      NMTOKEN    #REQUIRED >

<!ELEMENT option (#PCDATA)* >

<!ELEMENT scalar EMPTY >
<!ATTLIST scalar
      prefix        NMTOKEN    #IMPLIED
      datatype      NMTOKEN    "number"
      digits        CDATA      #IMPLIED
      decimals      CDATA      #IMPLIED
      minvalue      CDATA      #IMPLIED
      maxvalue      CDATA      #IMPLIED
      minexclusive  (true | false)  "false"
      maxexclusive  (true | false)  "false" >

<!ELEMENT varchar EMPTY>
<!ATTLIST varchar
      prefix NMTOKEN #IMPLIED
      datatype NMTOKEN "string"
      maxlength CDATA #REQUIRED>

```

```

<!-- ***** -->
<!-- COMMENT ***** -->
<!-- ***** -->
<!ELEMENT comment
      (#PCDATA)>

<!-- Namespaces -->
<!ELEMENT namespace (explain?) >
<!ATTLIST namespace
      prefix      NMTOKEN      #REQUIRED
      namespace   CDATA        #REQUIRED >

```

13 Appendix B: htmltext.ent - HTML element types for explain

```

<!-- ***** -->
<!-- HTML Text: SOX uses HTML element types for convenience. -->
<!-- ***** -->
<!-- Copyright:      Commerce One Systems Inc., 1997, 1998
      Date created:   17 Dec 1997
      Date revised:  01 Mar 1999
      Version:        1.0 -->
<!-- ***** -->

<!ENTITY % html.nonheading " table | p | bq | pre | ol | ul | dl" >

<!ENTITY % html.text      "#PCDATA| a | abbr | b | big | br
| cite | code | em | i | img
| q | small | span | strike | strong
| sub | sup | tt | u " >

<!ENTITY % html.heading.text "#PCDATA| a | abbr | b | big | br | cite |
code | em
| i | img | q | small | span | strike | strong | sub | sup | tt | u " >

<!ENTITY % html.block "h1|h2|h3|h4|h5|h6|%html.nonheading;" >

```

Appendix B: htmtext.ent - HTML element types for explain

```
<!-- ***** -->
<!-- The intro element type is used to introduce a schema. It contains a
      general description of the purpose and use of the schema's document
      type or components. -->
<!ELEMENT intro      ((%html.block;)+) >

<!-- The explain element is use to document a component within a schema. -->
<!ELEMENT explain   (title?, synopsis?, (%html.block;)+) >

<!-- The title is used to give a human readable title to some type name. -->
<!ELEMENT title     (%html.text;)* >

<!-- The synopsis is used to give a purpose or synopsis to the thing being
      explained. It is a single paragraph of text. -->
<!ELEMENT synopsis (%html.text;)* >

<!-- ***** -->
<!ELEMENT h1      (%html.heading.text;)* >
<!ELEMENT h2      (%html.heading.text;)* >
<!ELEMENT h3      (%html.heading.text;)* >
<!ELEMENT h4      (%html.heading.text;)* >
<!ELEMENT h5      (%html.heading.text;)* >
<!ELEMENT h6      (%html.heading.text;)* >

<!-- ***** -->
<!ELEMENT b       (#PCDATA)* >
<!ELEMENT br      EMPTY >
<!ELEMENT big     (#PCDATA)* >
<!ELEMENT i       (#PCDATA)* >
<!ELEMENT small   (#PCDATA)* >
<!ELEMENT sub     (#PCDATA)* >
<!ELEMENT sup     (#PCDATA)* >
<!ELEMENT strike  (#PCDATA)* >
<!ELEMENT tt      (#PCDATA)* >
<!ELEMENT u       (#PCDATA)* >

<!ELEMENT abbr   (#PCDATA)* >
<!ELEMENT cite   (#PCDATA)* >
<!ELEMENT code   (#PCDATA)* >
<!ELEMENT em     (#PCDATA)* >
```



```

<!ELEMENT q      (#PCDATA)* >
<!ELEMENT span  (#PCDATA)* >
<!ELEMENT strong
           (#PCDATA)* >

<!-- ***** -->
<!ELEMENT a      (%html.text;)* >
<!ATTLIST a
           name      CDATA      #IMPLIED
           href      CDATA      #IMPLIED
           title     CDATA      #IMPLIED >

<!-- ***** -->
<!ELEMENT img    (explain?) >
<!ATTLIST img
           src       CDATA      #REQUIRED
           alt       CDATA      #REQUIRED
           longdesc  CDATA      #IMPLIED
           usemap    CDATA      #IMPLIED >

<!-- ***** -->
<!ELEMENT pre    (%html.text;)* >
<!ATTLIST pre
           xml:space (preserve) #REQUIRED >

<!-- ***** -->
<!ELEMENT p      (%html.text;)* >
<!ELEMENT bq     (%html.text;)* >

<!ELEMENT ol     (lh?, li+) >
<!ELEMENT ul     (lh?, li+) >
<!ELEMENT lh     (%html.heading.text;)* >
<!ELEMENT li     (%html.text;|%html.block;)* >

<!ELEMENT dl     (dh?,(dt,dd)+) >
<!ELEMENT dh     (%html.heading.text;)* >
<!ELEMENT dt     (%html.text;|%html.block;)* >
<!ELEMENT dd     (%html.text;|%html.block;)* >

<!-- ***** -->
<!ELEMENT table
           (thead?, tbody) >

```

```

<!ATTLIST table
    cols          CDATA          #IMPLIED
    width         CDATA          #IMPLIED
    height        CDATA          #IMPLIED
    align         (left|center|right|justify) #IMPLIED
    valign        (top | middle | bottom | baseline) #IMPLIED
    vspace        CDATA          #IMPLIED
    hspace        CDATA          #IMPLIED
    cellpadding  CDATA          #IMPLIED
    cellspacing  CDATA          #IMPLIED
    border        CDATA          #IMPLIED
    frame         (box|void|above|below|hsides|vsides|lhs|rhs)
#IMPLIED
    rules        (none|groups|rows|cols|all) #IMPLIED >

<!ELEMENT thead
    (tr)+ >
<!ATTLIST thead
    align         (left|center|right|justify) #IMPLIED
    valign        (top|middle|bottom|baseline) #IMPLIED >

<!ELEMENT tbody
    (tr)+ >
<!ATTLIST tbody
    align         (left|center|right|justify) #IMPLIED
    valign        (top|middle|bottom|baseline) #IMPLIED >

<!ELEMENT tr    (th | td)+ >
<!ATTLIST tr
    align         (left|center|right|justify) #IMPLIED
    valign        (top | middle | bottom | baseline) #IMPLIED >

<!ELEMENT th    (%html.text;|%html.block;)* >
<!ATTLIST th
    colspan       CDATA          #IMPLIED
    rowspan       CDATA          #IMPLIED
    width         CDATA          #IMPLIED
    height        CDATA          #IMPLIED
    align         (left|center|right|justify) #IMPLIED
    valign        (top | middle | bottom | baseline) #IMPLIED >

<!ELEMENT td    (%html.text;|%html.block;)* >

```

<!ATTLIST td

| | | |
|---------|------------------------------------|------------|
| colspan | CDATA | #IMPLIED |
| rowspan | CDATA | #IMPLIED |
| width | CDATA | #IMPLIED |
| height | CDATA | #IMPLIED |
| align | (left\|center\|right\|justify) | #IMPLIED |
| valign | (top \| middle \| bottom \| baseline) | #IMPLIED > |

<!-- ***** -->

References

This chapter provides links to related information:

General Information About XML

Organization for the Advancement of Structured Information Standards (OASIS)

<http://www.oasis-open.org/>

The SGML/XML Web Page

<http://www.oasis-open.org/cover/>

World Wide Web Consortium

<http://www.w3.org/XML/>

Articles About the "eCo System" Vision of XML in Electronic Commerce

Glushko, R., Tenenbaum, J. & Meltzer, B. An XML framework for agent-based e-commerce. *Communications of the ACM*, (March 1999, 42(3), 106-114).

Meltzer, B., & Glushko, R. XML and Electronic Commerce: Enabling the Network Economy. *ACM SIGMOD*. (27(4), December 1998).

Tenenbaum, J., Chowdhry, T., and Hughes, K. ECo System: An Internet Commerce Architecture. *Computer*, May 1997, 48-55.

EDI Standards and XML/EDI Initiatives

UN/CEFACT (United Nations Centre for the Facilitation of Procedures and Practices for Administration, Commerce and Transport)

<http://www.unece.org/cefact/index.htm>

Data Interchange Standards Association (DISA)

<http://www.disa.org/>

Association of Standards and Practices in Electronic Trade
SIMPL-EDI

www.eca.org.uk

International Article Numbering Association (EANCOM)

www.ean.be

XML/EDI Group

<http://www.xmledi.org/>

EDI-TIE "UN XML" Repository

<http://www.editie.nl/portal.htm>

The XCAT Project

<http://www.systematic.dk/Xcat/>

Other Specifications and Standards Related to XML and Electronic Commerce

RosettaNet

www.rosettanel.org

Open Buying on the Internet

www.openbuy.org

Internet Open Trading Protocol

www.iotp.org

CommerceNet eco framework

www.eco.commerce.net