



PIDX v1.0 Schemas

Petroleum Industry Data eXchange (PIDX)

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PIDX v1.0 Schemas
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The document was prepared and is maintained in accordance with the PIDX Procedures for Standards Development, a copy of which is available at www.pidx.org/procedures and the PIDX Antitrust Guidelines, a copy of which is available at www.pidx.org/antitrust.

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1.0 Revision History

Version	Date (YYYY-MM-DD)	Person	Description of Change
1.0	2001-11-30	Jason Roberts	Draft
1.0	2002-02-14	Jason Roberts	Initial Release

2.0 Executive Summary

2.1 Purpose

The purpose of the PIDX Implementation Guideline document is to assist trading partners to implement and use the PIDX XML instance (data) documents. The PIDX Implementation Guideline document is the property of the Petroleum Information Data Exchange (PIDX).

2.1.1 Replicable

Each group of trading partners has unique implementation requirements. The PIDX Implementation Guideline document describes a generalized process to identify those requirements and establish an agreement to meet each trading partner's business process and associated data requirements.

2.1.2 Extensibility/Modifiability

The PIDX Implementation Guideline document was created with the realization that changes will occur to meet changing technology and business requirements.

The PIDX Implementation Guideline document may be modified by approval of the PIDX committee. Submit requests for document changes to the PIDX committee for review, revision, and approval.

Note changes to this document in the Revision History (section 1) of this document.

2.2 Scope

2.2.1 Audience

The targeted audience of the PIDX Implementation Guideline document is petroleum industry individuals who are responsible for implementing PIDX XML documents. This document assumes

- An understanding of XML documents, W3C XML Schemas including XML Datatypes, XML Namespaces, and a general knowledge of business data processing

- An understanding of the PIDX Transport, Routing, and Packaging (TRP) Standards

- An understanding of the RosettaNet Implementation Framework (RNIF) 2.0

- An understanding of the PIDX XML Schema Standards

- An understanding of the specific XML Schemas which will be used to define data which is exchanged between/among the trading partners

This document does not attempt to teach a person who is unfamiliar with XML documents, XML Schemas, RosettaNet Implementation Framework (RNIF) 2.0 how to use these technologies.

2.2.2 Transport, Routing, and Packaging and Data Payload

The PIDX Implementation Guideline address issues relating to both the data-carrying XML documents (payload) and the PIDX Transport, Routing, and Packaging requirements which is based on RNIF 2.0.

2.3 References

2.3.1 PIDX Documents

The following PIDX documents support the PIDX XML Schema Standards.

- PIDX XML Standards
- Petroleum Industry Data Dictionary
- PIDX Glossary

2.3.2 W3C Documents

The PIDX XML Schemas Standards conform to the May 2, 2001 XML Schema Recommendation published by the World Wide Web Consortium (W3C).

XML Schema Part 0: Primer : <http://www.w3.org/TR/2001/REC-xmlschema-0-20010502/>

XML Schema Part 1: Structures: <http://www.w3.org/TR/2001/REC-xmlschema-1-20010502/>

XML Schema Part 2: Datatypes: <http://www.w3.org/TR/2001/REC-xmlschema-2-20010502/>

2.3.3 RosettaNet Documents

The PIDX Routing, Transmission, and Packaging Standards are built on RosettaNet Implementation Framework (RNIF) 2.0 standards. The RNIF 2.0 standards may be downloaded from the RosettaNet web site: <http://www.RosettaNet.org>

2.4 Approach

The general approach to implementing a PIDX process between/among trading partners includes the following steps:

1. Define the Business Processes and supporting interactions between/among the business partners.
2. Identify the PIDX XML transactions required to support the Business Process.
3. Identify Transport, Routing, and Packaging (TRP) methods including "Signal" messages to control the exchange of XML instance (data) documents.
4. Identify detailed data requirements for each transaction.

2.5 Define the Business Processes

Use the PIDX Business Process diagrams to define the business process that the trading partners will use to perform the business function. Redraw the Business Process diagrams to define the specific business process that the trading partners will use.

2.6 Identify XML Transactions

Use the Business Process diagrams to define which PIDX XML transactions will be exchanged by the trading partners. The currently defined PIDX transactions are:

RequestRequisitionReturn
QuoteRequest Quote
QuoteNotification
OrderCreate
OrderChange
OrderResponse
FieldTicket
FieldTicketResponse
Invoice
InvoiceResponse
CementingTemplate

The CementingTemplate is to be used as an attachment to another transaction; the other transactions may be used as stand alone transactions.

2.7 Define Transport, Routing, and Packaging (TRP) Implementation

Use PIDX XML Transport, Routing, and Packaging (TRP) Standards, to define an approach for data exchange. The PIDX TRP Standards are based on the RosettaNet Implementation Framework (RNIF) 2.0. The PIDX TRP Standards can be used for both business "Action" transactions and for "Signals" which indicate such events as the receipt of a data transmission. Decisions regarding TRP include:

The physical communication method: leased line, dial-up, Internet, etc.

Element values for the three RNIF 2.0 headers

Where "Signal" messages will be utilized and the rules for "Signal" messages

The use of digital signatures for authentication

The use of data encryption for data integrity and confidentiality

Attachments to documents

2.8 Define XML Transactions Elements

Trading partners need to identify each data element within each XML transaction that will be transferred. For each data element the trading partners need to identify:

- If the data element is mandatory, optional, or forbidden
- The data format of the data element
- Possible default values for the data element if absent
- Relationships between/among multiple data elements

The trading partners must evaluate all repeating groups of elements. They must define constraints on element groups and the number and meaning of repeating groups.

3.0 Implementation Checklist

Please refer to the following implementation checklist when planning and implementing the use of PIDX XML Schemas.

3.1 Administrative

- Create required legal agreement between or among trading partners
- Define operating procedures in accord with anti-trust guidelines
- Establish project objectives, scope
- Establish project contacts: business, technical, operational
- Develop an implementation project plan

3.2 Define Project Requirements

- Define business process and transaction requirements
- Define error-processing requirements
- Define problem resolution requirements
- Define security requirements
 - Confidentiality
 - Integrity
 - Availability
 - Non-repudiation
- Define application interface requirements (proprietary to each trading partner)
- Define transaction storage and audit requirements

3.3 Define Technical Requirements

- Define each Action and Signal message that will be exchanged
 - Define field by field requirements for each Action (business) message
 - Define field by field requirements for each Signal message
- Define data communication and network (firewall, router) access requirements
- Define transmission protocol (HTTP(S), SMTP, other) requirements
- Define each field in TRP Preamble header
- Define each field in TRP Delivery header
- Define each field in TRP Service header
- Define each TRP attachment
- Define what will be encrypted
- Define use of digital signatures

Define use of the message "digest" for non-repudiation
Define business recovery requirements
Define hardware requirements
Define software requirements

3.4 Define Business Process Requirements

Define internal business process requirements (proprietary to each trading partner)
Train internal staff (proprietary to each trading partner)

3.5 XML Transaction Checklist

Develop, test, and implement the creation of each Action TRP transaction
Develop, test, and implement the acceptance and processing of each Action TRP transaction
Develop, test, and implement the creation of each Signal TRP transaction
Develop, test, and implement the acceptance and processing of each Signal TRP transaction

3.6 TRP Checklist

Develop/purchase, configure, test, and implement software/hardware to create TRP components

- MIME multipart/related components
- MIME multipart/signed components
- TRP Preamble header
- TRP Delivery header
- TRP Service header
- TRP Service content
- Action message
- Signal message
- Attachment(s)

Develop/purchase, configure, test, and implement software/hardware to support encryption
Exchange public keys

3.7 Data Communication checklist

Install, configure, test, and implement each network component
Exchange IP addresses/names
Configure firewalls, routers, other communications equipment

3.8 Application Checklist

Define, build/install, test, and implement application interfaces (proprietary to each trading partner)
Define, build/install packaging, unpackaging processes
Define, build/install, test, and implement error processes
Implement application support processes

3.9 Operations Checklist

Install, configure, implement hardware
Install, configure, implement software
Install, configure, implement network components
Install, configure, implement data storage and backup
Define, test, and implement business recovery processes
Train operation and network support personnel

4.0 Transport, Routing, and Packaging (TRP) Guidelines

The following documents must be understood to use section 4. Transport, Routing, and Packaging (TRP) Guidelines.

- "RosettaNet Implementation Framework: Core Specification, Version: Validated 02.00.00, 13 July 2001" (RNIF: CS)

- Supporting DTDs

- Message Guidelines

These documents may be accessed on the RosettaNet web site at:

<http://www.rosettanet.org/rosettanet/Rooms/DisplayPages/LayoutInitial>

4.1 TRP Overview

The PIDX TRP standard is based on the RosettaNet Implementation Framework 2.0 (RNIF 2.0). RNIF 2.0 utilizes existing standards including MIME multi-part/related, MIME multi-part/signed, HTTP(S), SSL, PKCS#7, SMTP, and XML. Implementers must understand the PIDX TRP standard, RNIF 2.0 standards, and the standards used by RNIF 2.0 including MIME, HTTP(S), SMTP, and PKCS#7.

4.2 TRP Decisions

The following sections describe the decisions that must be made for each transaction in detail and provides a mechanism for documenting the implementation decisions.

- Synchronous or Asynchronous Transactions

- Signal Response

 - Signal Response Positive Rules

 - Signal Response Exception Rules

- Routing Decisions

 - Route directly between trading partners

 - Route through a third party

- Transport Decisions

 - Private Network Connection

 - Leased Line

 - Dial-up

 - Frame relay connection

 - Other dedicated network connection

 - Public Network connection (Internet)

- Protocol Decisions



**Implementation Guideline
Petroleum Industry Data eXchange (PIDX)**

RosettaNet Approved

HTTP

HTTP/S

SMTP

RosettaNet Unapproved

FTP

FTPS

Security Decisions

- Signed
 - Signed
 - Unsigned
- Encrypted
 - Payload encrypted
- MIME packaging decisions
 - Preamble Header
 - Delivery Header
 - Service Header
 - Service Content
 - Attachment
- Header Decisions
 - Preamble Header
 - Delivery Header
 - Service Header
- Response (Signal) Decisions
 - Preamble Header
 - Delivery Header
 - Service Header
 - Service Content

4.3 Synchronous or Asynchronous Response

RNIF 2.0 Action transactions may be either synchronous (message response in real time) or asynchronous (message response not in real time). PIDX Action transactions are always asynchronous. Signal response messages are always asynchronous in both RNIF 2.0 and in PIDX.

If the trading partners desire to couple multiple transactions together into synchronous transactions they may agree on the transactions to be coupled, the expected response times, and the mechanisms for positive and negative responses.

Decision Point	Decision Made	PIDX Standard
Synchronous or Asynchronous		PIDX recommends that all transactions be treated as asynchronous transactions.

4.4 Signal Response

A Signal response may be sent after each Action transaction has been received. Signal responses may either be positive (Receipt Acknowledgement) or negative (Exception). Signal responses are never sent as a response to another Signal response. Signal responses are always asynchronous responses. RNIF

2.0 defines Signal response processing with the following two flowcharts:

RNIF: CS Figure 18 Entire Message Processing Flow (RNIF: CS page 57)

RNIF: CS Figure 19 "Handle Error" Flow (RNIF: CS page 58)

Signal Exception responses are sent for errors in the Preamble header and Delivery header only if the transport level (HTTP or SMTP) debug headers are set to debug mode. If debug mode is not set on, no Exception signal is sent in the event of an error in a Preamble or Delivery header. The following RNIF: CS sections describe the debug header processing



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RNIF: CS section 2.4.2.6 Debug Header as an Extension-Header in HTTP (RNIF: CS, page 65)

RNIF: CS section 2.4.3.4 Debug Header as an Extension-Header in SMTP (RNIF: CS, page 71)

The following PIDX Implementation Guideline (PIDX IG) sections describe Signal header decisions:

PIDX IG section 4.11 Header Decisions for Signal Response Receipt Acknowledgment (Positive Response)

PIDX IG section 4.11 Header Decisions for Signal Response Exception (Negative Response)

Trading partners must define where Signal messages will and will not be sent be sent.

Decision Point	Decision Made	PIDX Standard
Receipt Acknowledgement		Follow RNIF 2.0 Standards for positive responses.
Exception		Follow RNIF 2.0 Standards for negative response.

4.5 Routing Decisions

Transaction may routed directly from one trading partner to another trading partner or may pass through an intermediate third party.

Decision Point	Decision Made	PIDX Implementation
Route directly between trading partners		Need URL, IP address, or other network identifier for each trading Partner
Route through an intermediary		Need URL, IP address, or other network identifier for each trading Partner

4.6 Transport Decisions

Trading partners may use either a private network connection or a public network connection for data communications.

4.6.1 Private Network Connection

If a private network connection will be established between or among the trading partners and the Hub the following decisions must be made:

Decision Point	Decision Made	PIDX Implementation
Type of Private Connection		Leased line, Dial-up, Frame Relay, other private connection
Access through corporate firewalls		Access via extranet through firewall, access through dial communication

Method of authentication		Network authentication, server authentication, application authentication
Method of encryption		Un-encrypted communication, VPN tunnel encryption, RNIF 2.0 encryption, other encryption

4.6.2 Public Network Connection (Internet)

If the trading partners and/or an intermediate third party communicate over the public Internet methods must be implemented to insure message confidentiality, integrity, and availability.

Decision Point	Decision Made	PIDX Implementation
Method of authentication		Network authentication, server authentication, application authentication
Method of encryption		Un-encrypted communication, VPN tunnel encryption, RNIF 2.0 encryption, other encryption

4.7 Protocol Decisions

The RNIF 2.0 standard specifies HTTP, HTTP/S, and SMTP protocols.

Decision Point	Decision Made	PIDX Implementation
Use RosettaNet approved protocol		HTTP, HTTP/S, SMTP
Use alternate protocol		Alternate protocol: FTP, Secure FTP, other

4.8 Security Decisions

RNIF specifies signed, unsigned, encrypted, and not-encrypted messages.

Decision Point	Decision Made	PIDX Implementation
Signed or unsigned messages		Messages signed using S/MIME according to RNIF: CS, 2.2.1 Use of S/Mime with RosettaNet and RNIF: CD 2.2.2 Use of Digital Certificates within RosettaNet
Encrypted or not-encrypted messages		Messages encrypted using S/MIME according to RNIF: CS, 2.2.1 Use of S/Mime with RosettaNet and RNIF: CD 2.2.2 Use of Digital Certificates within RosettaNet
Use of Digital Certificates		PKS7

4.9 MIME Packaging Decisions

MIME parameters are used for each MIME part: Preamble header, Delivery header, Service header, Service Content, and Attachments. Implementers need to understand their middleware requirements for MIME parameters. Most of the values for the following MIME parameters are RNIF 2.0 values.

4.9.1 MIME Header Parameter

Decision Point	Decision Made	PIDX Implementation
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MIME-version		"1.0"
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4.9.2 MIME Content-Type parameters

Decision Point	Decision Made	PIDX Implementation
multipart/related		For unsigned MIME parts
multipart/signed		For signed MIME parts
boundary for headers		Select boundary name for unsigned MIME parts
boundary for signature		Select boundary name for signed MIME parts
type		"application/XML" for headers
protocol		"application/pkcs7-signature" for signature
micalg		"shal"

4.9.3 MIME Content-Description parameters

Decision Point	Decision Made	PIDX Implementation
Content-Description		Descriptive text

4.9.4 MIME Preamble Header

Decision Point	Decision Made	PIDX Implementation
Content-Type		"Application/XML"
Content-Location		"RN-Preamble"
Content-Description		Descriptive string for Preamble Header
Content-ID		ID string for Preamble

4.9.5 MIME Delivery Header

Decision Point	Decision Made	PIDX Implementation
Content-Type		"Application/XML"
Content-Location		"RN-Delivery-Header"
Content-Description		Descriptive string for Delivery Header
Content-ID		ID string for Delivery Header

4.9.6 MIME Service Header

Decision Point	Decision Made	PIDX Implementation
Content-Type		"Application/XML"
Content-Location		"RN-Service-Header"

Decision Point	Decision Made	PIDX Implementation
Content-Description		Descriptive string for Service Header
Content-ID		ID string for Service Header

4.9.7 MIME Service Content

Decision Point	Decision Made	PIDX Implementation
Content-Type		"Application/XML"
Content-Location		"RN-Service-Content"
Content-Description		Descriptive string for Service Content
Content-ID		ID string for Service Content

4.9.8 MIME Attachment

Decision Point	Decision Made	PIDX Implementation
Content-Type		Value from Appendix F: GlobalMimeTypeQualifierCode Values corresponding to attachment type.
Content-Type name=		Name of attachment
Content-Description		Description of attachment
Content-ID		ID string for attachment

4.10 Header Decisions for Business Action Messages

For each business action message trading partners must agree on RNIF 2.0 Header contents. RNIF 2.0 specifies three headers: Preamble, Delivery, and Service. Implementers must understand the element value requirements of their middleware processors. Many of the following values use RNIF 2.0 values for compatibility with systems that process RNIF 2.0 messages. The following sections address the contents of the three headers:

4.10.1 Preamble Header for Business Action Message

Preamble Header Data Element	Decision Made	PIDX Standard
GlobalAdministeringAuthorityCode		"RosettaNet"
VersionIdentifier		"V02.00"

4.10.2 Delivery Header for Business Action Message

Delivery Header Data Element	Decision Made	PIDX Implementation
AffirmationIndicator		"Yes" - The next hub must transmit this message securely "No" - The next hub does not need to transmit this message securely
DateTimeStamp		The date and time of the message. The timestamp must be as close to the time of the first attempt as possible. The RNIF 2.0 format is CCYYMMDDTHHMMSS.000Z. This is not the standard XMLSchema dateTime datatype.
FreeFormText (under messageReceiverIdentification, PartnerIdentification, domain)		"DUNS"
GlobalBusinessIdentifier (under messageReceiverIdentification, PartnerIdentification)		The nine digit DUNS number for receiver
Value (under messageReceiverIdentification, LocationID, value)		Location of receiver
FreeFormText (under messageSenderIdentification, PartnerIdentification, domain)		"DUNS"
GlobalBusinessIdentifier (under messageSenderIdentification, PartnerIdentification)		The nine digit DUNS number for sender
Value (under messageSenderIdentification, LocationID, value)		Location of sender

<p>InstanceIdentifier (under messageTrackingID)</p>		<p>A unique alphanumeric identifier that represents a specific instance of a business process, business transaction, business action, or business signal. The instance identifier must be unique for a particular instance of a business process, business transaction, business action and business signal. The value MUST be unique within the context of the message sender.</p> <p>The InstanceIdentifier is used for subsequent signals.</p>
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4.10.3 Service Header for Business Action Message

Service Header Data Element	Decision Made	PIDX Implementation
<p>BusinessActivityIdentifier (under ActivityControl)</p>		<p>An identifier which specifies a business activity.</p> <p>RNIF 2.0 requires this data element be populated with either the value populated in the corresponding "Activity" element based in the PIP specification for the specific PIP and activity or based on the values defined in the PIP specification for Business Activity Description. PIDX will use the name of the XML Schema as the BusinessActivityIdentifier:</p> <p>"FieldTicket" "FieldTicketResponse" "Invoice" "InvoiceResponse" "OrderChange" "OrderCreate" "OrderResponse" "Quote" "QuoteNotification" "QuoteRequest" "RequestRequisitionReturn"</p> <p>Note: This data element is used for application level process automation – therefore PIDX can define additional values.</p>
<p>GlobalPartnerRoleClassificationCode (Under ProcessControl, ActivityControl, MessageControl, fromRole)</p>		<p>This data element is populated with the role the sending or receiving party plays given the specific action they are carrying out in the business message.</p> <p>See Appendix B GlobalPartnerRoleClassificationCode Values for RosettaNet standard values.</p> <p>Note: This data element is used for application level process automation – therefore PIDX can define additional values.</p>

<p>GlobalBusinessServiceCode (Under ProcessControl, ActivityControl, MessageControl, fromService)</p>		<p>his data element is populated with a code defining the type of business service fulfilled by the sending or receiving party given the specific action carried out in the business message.</p> <p>See Appendix C GlobalBusinessServiceCode Values for RosettaNet standard values.</p> <p>Note: This data element is used for application level process automation – therefore PIDX can define additional values here or in its PIP descriptions.</p>
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Service Header Data Element	Decision Made	PIDX Implementation
<p>InReplyTo (Structure) (Under ProcessControl, ActivityControl, MessageControl)</p>		<p>This structure must be present if not the first action message in an activity.</p> <p>PIDX transactions are generally a single asynchronous transmission and this structure will not be used except for signals.</p> <p>This structure must be present for all signals.</p>
<p>GlobalBusinessActionCode (Under ProcessControl, ActivityControl, MessageControl, inReplyTo, ActionControl, ActionIdentity)</p>		<p>The Action Code corresponding to the action to which this message is in reply.</p> <p>See Appendix D GlobalBusinessActionCode Values for RosettaNet standard values.</p> <p>PIDX may define custom code values for this data element representing PIDX specific transactions.</p> <p><i>Note: This data element is populated only if the message exchange requires the transaction initiator to refer to another, separate transaction.</i></p>
<p>FreeFormText (Under ProcessControl, ActivityControl, MessageControl, inReplyTo, ActionControl, ActionIdentity, messageStandard)</p>		<p>This data element represents the standard or authority used to validate the structure of the message being created. For communication of all PIDX designed messages, this data element must be populated with the literal value</p> <p>“PIDX XML Standards Group”</p> <p><i>Note: Although RosettaNet defines this data element as optional, it is required in every instance for PIDX transactions.</i></p> <p><i>The value defined as the default message standard can be anything PIDX wants – above is my recommendation.</i></p>

<p>VersionIdentifier (Under ProcessControl, ActivityControl, MessageControl, inReplyTo, ActionControl, ActionIdentity, standardVersion)</p>		<p>This data element is used to indicate the version of the message standard the Service Content must adhere to.</p> <p>For PIDX, this will correspond to the version number of the validated Com.Pro.Serv XML Schemas. This will initially be:</p> <p>"1.0"</p>
<p>InstanceIdentifier (Under ProcessControl, ActivityControl, MessageControl, inReplyTo, ActionControl, messageTrackingID)</p>		<p>Identifies the instance ID of the action to which this message is a reply. The value MUST come from the Message Tracking ID (InstanceIdentifier under messageTrackingID) in the Delivery header of the original received message.</p>

Service Header Data Element	Decision Made	PIDX Implementation
FreeFormText (Under ProcessControl, ActivityControl, MessageControl, Manifest, Attachment, description)		Details of the attachment. Not present if the number of attachments is 0. MUST have exactly one occurrence for each attachment.
GlobalMimeTypeQualifierCode (Under ProcessControl, ActivityControl, MessageControl, Manifest, Attachment)		<p>The MIME content type for the attachment. Examples:</p> <p>"text/XML" "application/msword" "application/pdf" "application/vnd.ms-excel"</p> <p>See Appendix F GlobalMimeTypeQualifierCode Values for RosettaNet standard values.</p> <p>The "official" list of possible values may be found in the Media Types Directory maintained by the Internet Assigned Numbers Authority at the following web site:</p> <p>http://www.isi.edu/in-notes/iana/assignments/media-types/media-types</p> <p>A somewhat more readable version can be found at:</p> <p>http://www.utoronto.ca/webdocs/HTMLdocs/Book/Book-3ed/appb/mimetype.html_mult</p>
UniversalResourceIdentifier (Under ProcessControl, ActivityControl, MessageControl, Manifest, Attachment)		Attribute of Attachment Details. Reference to the content ID of the attached document. This value MUST follow the Content-ID reference syntax per RFC 2111 and MUST name the MIME Content-ID of the attachment.
CountableAmount (Under ProcessControl, ActivityControl, MessageControl, Manifest, numberOfAttachments)		The number of attachments. If no attachments the only allowed value is "0" (the number zero).

<p>GlobalBusinessActionCode (Under ProcessControl, ActivityControl, MessageControl, Manifest, ServiceContentControl, ActionIdentity)</p>		<p>The Action Code corresponding to the action to which this message is in reply.</p> <p>See Appendix D GlobalBusinessActionCode Values for RosettaNet standard values.</p> <p>PIDX may define custom code values for this data element representing PIDX specific transactions.</p> <p>Note: This data element is populated only if the message exchange requires the transaction initiator to refer to another, separate transaction.</p>
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Service Header Data Element	Decision Made	PIDX Implementation
http://www.utoronto.ca/webdocs/HTMLdocs/Book/Book-3ed/appb/mimetype.html#multFreeFormText (Under ProcessControl, ActivityControl, MessageControl, Manifest, ServiceContentControl, ActionIdentity, messageStandard)		"PIDX" The standard with which the Service Content MUST be compliant. MUST be set if and only if this is a non-RosettaNet-specified Service Content Message.
VersionIdentifier (Under ProcessControl, ActivityControl, MessageControl, Manifest, ServiceContentControl, ActionIdentity, standardVersion)		"1.0" The version of the standard with which the Service Content MUST be compliant. MUST be set if and only if this is a non-RosettaNet-specific Service Content Message.
GlobalBusinessSignalCode (Under ProcessControl, ActivityControl, MessageControl, Manifest, ServiceContentControl, SignalIdentity)		Not used for business Action messages.
VersionIdentifier (Under ProcessControl, ActivityControl, MessageControl, Manifest, ServiceContentControl, SignalIdentity)		Not used for business Action messages.
GlobalPartnerRoleClassificationCode (Under ProcessControl, ActivityControl, MessageControl, toRole)		This data element is populated with the role the sending or receiving party plays given the specific action they are carrying out in the business message. See Appendix B GlobalPartnerRoleClassificationCode Values for RosettaNet standard values. Note: This data element is used for application level process automation – therefore PIDX can define additional values.

<p>GlobalBusinessServiceCode (Under ProcessControl, ActivityControl, MessageControl, toService)</p>		<p>This data element is populated with a code defining the type of business service fulfilled by the sending or receiving party given the specific action carried out in the business message.</p> <p>See Appendix C GlobalBusinessServiceCode Values for RosettaNet standard values.</p> <p>Note: This data element is used for application level process automation – therefore PIDX can define additional values here or in its PIP descriptions.</p>
<p>GlobalUsageCode (Under ProcessControl)</p>		<p>"Test"</p> <p>"Production"</p>

Service Header Data Element	Decision Made	PIDX Implementation																		
ProprietaryReferenceIdentifier (Under ProcessControl, partnerDefinedPIPPayloadBindingId)		<p>This data element is used to identify a proprietary binding ID that permits the RosettaNet based parts of a multipart message to bind to non-RosettaNet parts. This element is populated to cover where the trading partners wish to exchange messages based on proprietary document formats (non-RosettaNet Schema) using a RosettaNet PIP.</p> <p>PIDX requirements support the use of the RNIF Framework but will not use existing RosettaNet PIPs. Given that this is the case, Trading Partners will typically not populate this data element.</p>																		
GlobalProcessIndicatorCode (Under ProcessControl, pipCode)		<p>This data element is populated with an alphanumeric code assigned to the transaction implemented by PIDX. PIDX has defined additional valid values here based on PIDX transactions.</p> <p>The PIDX codes are:</p> <table border="0"> <tr> <td>FieldTicket</td> <td>"P11"</td> </tr> <tr> <td>FieldTicketResponse</td> <td>"P12" Invoice</td> </tr> <tr> <td>"P21" InvoiceResponse</td> <td>"P22"</td> </tr> <tr> <td>OrderChange</td> <td>"P32"</td> </tr> <tr> <td>OrderCreate</td> <td>"P31" OrderResponse</td> </tr> <tr> <td>"P33" Quote</td> <td>"P42"</td> </tr> <tr> <td>QuoteNotification</td> <td>"P43"</td> </tr> <tr> <td>QuoteRequest</td> <td>"P41"</td> </tr> <tr> <td>RequestRequisitionReturn</td> <td>"P51"</td> </tr> </table> <p>See Appendix A PIDX XML Schema to PIDX "PIP" Number for PIDX standard values.</p>	FieldTicket	"P11"	FieldTicketResponse	"P12" Invoice	"P21" InvoiceResponse	"P22"	OrderChange	"P32"	OrderCreate	"P31" OrderResponse	"P33" Quote	"P42"	QuoteNotification	"P43"	QuoteRequest	"P41"	RequestRequisitionReturn	"P51"
FieldTicket	"P11"																			
FieldTicketResponse	"P12" Invoice																			
"P21" InvoiceResponse	"P22"																			
OrderChange	"P32"																			
OrderCreate	"P31" OrderResponse																			
"P33" Quote	"P42"																			
QuoteNotification	"P43"																			
QuoteRequest	"P41"																			
RequestRequisitionReturn	"P51"																			
InstanceIdentifier (Under ProcessControl, pipInstanceID)		A unique alphanumeric identifier for the initiating partner.																		
VersionIdentifier (Under ProcessControl, pipVersion)		This data element is populated with the version number assigned to the transaction implemented by PIDX.																		
QualityofServiceSpecification (Under ProcessControl)		This structure not used by RNIF 2.0. The optional structure may be omitted. Receiver must ignore if sent.																		

QualityofServiceSpecificationCode (Under ProcessControl, QualityOfServiceSpecifiction, QualityOfServiceElement)		This element is not used by RNIF 2.0. Receiver must ignore if sent.
Value (Under ProcessControl, QualityOfServiceSpecifiction,		This element is not used by RNIF 2.0. Receiver must ignore if sent.

Service Header Data Element	Decision Made	PIDX Implementation
QualityOfServiceElement)		
FreeFormText (Under ProcessControl, KnownInitiatingPartner, PartnerIdentification, domain)		"DUNS"
GlobalBusinessIdentifier (Under ProcessControl, KnownInitiatingPartner, PartnerIdentification)		Nine digit DUNS number for known partner
Value (Under ProcessControl, KnownInitiatingPartner, PartnerIdentification, locationID)		Location of known partner
FreeFormText (Under ProcessControl, UnknownInitiatingPartner, PartnerIdentification, domain)		"DUNS" PIDX will not use an unknown initiating partner.
GlobalBusinessIdentifier (Under ProcessControl, UnknownInitiatingPartner, PartnerIdentification)		Nine digit DUNS number for unknown partner. PIDX will not use an unknown initiating partner.
Value (Under ProcessControl, UnknownInitiatingPartner, PartnerIdentification, locationID)		Location of unknown partner. PIDX will not use an unknown initiating partner.
UniformResourceLocator (Under ProcessControl, UnknownInitiatingPartner)		URL of unknown Partner. PIDX will not use an unknown initiating partner.

4.11 Header Decisions for Signal Response Receipt Acknowledgement (Positive Response)

The Receipt Acknowledgment Signal uses the standard RNIF 2.0 Preamble, Delivery, and Service Headers and a special Receipt Acknowledgment Service Content. The contents of the Preamble, Delivery, Service Headers and Receipt Acknowledgment Service Content are presented below.

The trading partners must agree on the contents for each element for each header and the service content.

4.11.1 Preamble Header for Receipt Acknowledgement

Preamble Header Data Element for Receipt Acknowledgment	Decision Made	PIDX Standard
GlobalAdministeringAuthorityCode		"RosettaNet"
VersionIdentifier		"V02.00"

4.11.2 Delivery Header for Receipt Acknowledgement

Delivery Header Data Element for Receipt Acknowledgment	Decision Made	PIDX Standard
AffirmationIndicator		"Yes" - The next hub must transmit this message securely "No" - The next hub does not need to transmit this message securely
DateTimeStamp		The date and time of the message. The timestamp must be as close to the time of the first attempt as possible. The RNIF 2.0 format is CCYYMMDDTHHMMSS.000Z . This is not the standard XMLSchema dateTime datatype.
FreeFormText (under messageReceiverIdentification, PartnerIdentification, domain)		"DUNS"
GlobalBusinessIdentifier (under messageReceiverIdentification, PartnerIdentification)		The nine digit DUNS number for receiver
Value (under messageReceiverIdentification, LocationID, value)		Location of receiver
FreeFormText (under messageSenderIdentification, PartnerIdentification, domain)		"DUNS"
GlobalBusinessIdentifier (under messageSenderIdentification, PartnerIdentification)		The nine digit DUNS number for sender
Value (under messageSenderIdentification, LocationID, value)		Location of sender

<p>InstanceIdentifier (under messageTrackingID)</p>		<p>A unique alphanumeric identifier that represents a specific instance of a business process, business transaction, business action, or business signal. The instance identifier must be unique for a particular instance of a business process, business transaction, business action and business signal. The value MUST be unique within the context of the message sender.</p> <p>The InstanceIdentifier from the acknowledged message is used for the Receipt Acknowledgement Signal.</p>
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4.11.3 Service Header for Receipt Acknowledgement

Service Header Data Element for Receipt Acknowledgment	Decision Made	PIDX Standard
BusinessActivityIdentifier (under ActivityControl)		Use the BusinessActivityIdentifier from the acknowledged message.
GlobalPartnerRoleClassificationCode (Under ProcessControl, ActivityControl, MessageControl, fromRole)		For signal messages, the value in the fromRole must be the same as the value in the toRole in the action message to which this message is replying.
GlobalBusinessServiceCode (Under ProcessControl, ActivityControl, MessageControl, fromService)		For signal messages, the value in the fromService must be the same as the value in the toService in the action message to which this message is replying
InReplyTo (Structure) (Under ProcessControl, ActivityControl, MessageControl)		This structure must be present if not the first action message in an activity. PIDX transactions are generally a single transmission and this structure will not be used except for signals. This structure must be present for all signals.
GlobalBusinessActionCode (Under ProcessControl, ActivityControl, MessageControl, inReplyTo, ActionControl, ActionIdentity)		The Action Code corresponding to the action to which this message is in reply. See Appendix D GlobalBusinessActionCode Values for RosettaNet standard values.
FreeFormText (Under ProcessControl, ActivityControl, MessageControl, inReplyTo, ActionControl, ActionIdentity, messageStandard)		"PIDX XML Standards Group"
VersionIdentifier (Under ProcessControl, ActivityControl, MessageControl, inReplyTo, ActionControl, ActionIdentity, astandardVersion)		"1.0"
InstanceIdentifier (Under ProcessControl, ActivityControl, MessageControl, inReplyTo, ActionControl, messageTrackingID)		Identifies the instance ID of the action to which this message is a reply. The value MUST come from the Message Tracking ID (InstanceIdentifier under messageTrackingID) in the Delivery header of the original received message.

FreeFormText (Under ProcessControl, ActivityControl, MessageControl, Manifest, Attachment, description)		"0" No attachments allowed on a Signal.
GlobalMimeTypeQualifierCode (Under ProcessControl, ActivityControl, MessageControl, Manifest, Attachment)		Not used on a signal.
UniversalResourceIdentifier		Not used on a signal.

Service Header Data Element for Receipt Acknowledgment	Decision Made	PIDX Standard
(Under ProcessControl, ActivityControl, MessageControl, Manifest, Attachment)		
CountableAmount (Under ProcessControl, ActivityControl, MessageControl, Manifest, numberOfAttachments)		"0"
GlobalBusinessActionCode (Under ProcessControl, ActivityControl, MessageControl, Manifest, ServiceContentControl, ActionIdentity)		The Action Code corresponding to the action to which this message is in reply. See Appendix D GlobalBusinessActionCode Values for RosettaNet standard values.
VersionIdentifier (Under ProcessControl, ActivityControl, MessageControl, Manifest, ServiceContentControl, ActionIdentity, standardVersion)		"1.0"
GlobalBusinessSignalCode (Under ProcessControl, ActivityControl, MessageControl, Manifest, ServiceContentControl, SignalIdentity)		"Receipt Acknowledgement"
VersionIdentifier (Under ProcessControl, ActivityControl, MessageControl, Manifest, ServiceContentControl, SignalIdentity)		"V02.00" This is the Signal Version identifier from the AcknowledgementOfReceipt Message Guidelines.
GlobalPartnerRoleClassificationCode (Under ProcessControl, ActivityControl, MessageControl, toRole)		For signal messages, the value in the toRole must be the same as the value in the fromRole in the action message to which this message is replying.
GlobalBusinessServiceCode (Under ProcessControl, ActivityControl, MessageControl, toService)		For signal messages, the value in the toService must be the same as the value in the fromService in the action message to which this message is replying
GlobalUsageCode (Under ProcessControl)		"Test" "Production"
ProprietaryReferenceIdentifier (Under ProcessControl, partnerDefinedPIPPayloadBindingId)		Not used for Signal messages.
GlobalProcessIndicatorCode (Under ProcessControl, pipCode)		Use the GlobalProcessIndicator code from the Service message of the acknowledged message.

InstanceIdentifier (Under ProcessControl, pipInstanceID)		Use the InstanceIdentifier from the acknowledged message.
VersionIdentifier (Under ProcessControl, pipVersion)		"1.0"

Service Header Data Element for Receipt Acknowledgment	Decision Made	PIDX Standard
QualityofServiceSpecification (Under ProcessControl)		Not used
QualityofServiceSpecificationCode (Under ProcessControl, QualityOfServiceSpecification, QualityOfServiceElement)		Not used
Value (Under ProcessControl, QualityOfServiceSpecification, QualityOfServiceElement)		Not used
FreeFormText (Under ProcessControl, KnownInitiatingPartner, PartnerIdentification, domain)		"DUNS"
GlobalBusinessIdentifier (Under ProcessControl, KnownInitiatingPartner, PartnerIdentification)		Nine digit DUNS number for known partner
Value (Under ProcessControl, KnownInitiatingPartner, PartnerIdentification, locationID)		Location of known partner
FreeFormText (Under ProcessControl, UnknownInitiatingPartner, PartnerIdentification, domain)		Not used
GlobalBusinessIdentifier (Under ProcessControl, UnknownInitiatingPartner, PartnerIdentification)		Not used
Value (Under ProcessControl, UnknownInitiatingPartner, PartnerIdentification, locationID)		Not used
UniformResourceLocator (Under ProcessControl, UnknownInitiatingPartner)		Not used

4.11.4 Service Content for Receipt Acknowledgement

Service Content Data Element for Receipt Acknowledgment	Decision Made	PIDX Standard
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<p>OriginalMessageDigest (under NonRepudiationInformation)</p>		<p>The base-64 encoded digest of the entire original MIME message received. The digest must be generated using the same algorithm as the original signed message.</p>
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4.12 Header Decisions for Signal Response Exception (Negative Response)

The Exception Signal uses the standard RNIF 2.0 Preamble, Delivery, and Service Headers and a special Exception Service Content. The contents of the Preamble, Delivery, Service Headers and Exception Service Content are presented below.

The trading partners must agree on the contents for each element for each header and the service content.

4.12.1 Preamble Header for Exception

Preamble Header Data Element for Exception	Decision Made	PIDX Standard
GlobalAdministeringAuthorityCode		"RosettaNet"
VersionIdentifier		"V02.00"

4.12.2 Delivery Header for Exception

Delivery Header Data Element for Exception	Decision Made	PIDX Standard
AffirmationIndicator		"Yes" - The next hub must transmit this message securely "No" - The next hub does not need to transmit this message securely
DateTimeStamp		The date and time of the message. The timestamp must be as close to the time of the first attempt as possible. The RNIF 2.0 format is CCYYMMDDTHHMMSS.000Z . This is not the standard XMLSchema dateTime datatype.
FreeFormText (under messageReceiverIdentification, PartnerIdentification, domain)		"DUNS"
GlobalBusinessIdentifier (under messageReceiverIdentification, PartnerIdentification)		The nine digit DUNS number for receiver
Value (under messageReceiverIdentification, LocationID, value)		Location of receiver



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FreeFormText (under messageSenderIdentification, PartnerIdentification, domain)		"DUNS"
GlobalBusinessIdentifier (under messageSenderIdentification, PartnerIdentification)		The nine digit DUNS number for sender
Value (under messageSenderIdentification, LocationID, value)		Location of sender

Delivery Header Data Element for Exception	Decision Made	PIDX Standard
InstanceIdentifier (under messageTrackingID)		<p>A unique alphanumeric identifier that represents a specific instance of a business process, business transaction, business action, or business signal. The instance identifier must be unique for a particular instance of a business process, business transaction, business action and business signal. The value MUST be unique within the context of the message sender.</p> <p>The InstanceIdentifier from the acknowledged message is used for the Exception Signal.</p>

4.12.3 Service Header for Exception

Service Header Data Element for Exception	Decision Made	PIDX Standard
BusinessActivityIdentifier (under ActivityControl)		Use the BusinessActivityIdentifier from the acknowledged message.
GlobalPartnerRoleClassificationCode (Under ProcessControl, ActivityControl, MessageControl, fromRole)		For signal messages, the value in the fromRole must be the same as the value in the toRole in the action message to which this message is replying.
GlobalBusinessServiceCode (Under ProcessControl, ActivityControl, MessageControl, fromService)		For signal messages, the value in the fromService must be the same as the value in the toService in the action message to which this message is replying
InReplyTo (Structure) (Under ProcessControl, ActivityControl, MessageControl)		<p>This structure must be present if not the first action message in an activity.</p> <p>PIDX transactions are generally a single transmission and this structure will not be used except for signals.</p> <p>This structure must be present for all signals.</p>
GlobalBusinessActionCode (Under ProcessControl, ActivityControl, MessageControl, inReplyTo, ActionControl, ActionIdentity)		<p>The Action Code corresponding to the action to which this message is in reply.</p> <p>See Appendix D GlobalBusinessActionCode Values for RosettaNet standard values.</p>

FreeFormText (Under ProcessControl, ActivityControl, MessageControl, inReplyTo, ActionControl, ActionIdentity, messageStandard)		"PIDX XML Standards Group"
VersionIdentifier (Under ProcessControl, ActivityControl, MessageControl, inReplyTo, ActionControl,		"1.0"

Service Header Data Element for Exception	Decision Made	PIDX Standard
ActionIdentity. astandardVersion)		
InstanceIdentifier (Under ProcessControl, ActivityControl, MessageControl, inReplyTo, ActionControl, messageTrackingID)		Identifies the instance ID of the action to which this message is a reply. The value MUST come from the Message Tracking ID (InstanceIdentifier under messageTrackingID) in the Delivery header of the original received message.
FreeFormText (Under ProcessControl, ActivityControl, MessageControl, Manifest, Attachment, description)		"0" No attachments allowed on a Signal.
GlobalMimeTypeQualifierCode (Under ProcessControl, ActivityControl, MessageControl, Manifest, Attachment)		Not used on a Signal.
UniversalResourceIdentifier (Under ProcessControl, ActivityControl, MessageControl, Manifest, Attachment)		Not used on a Signal.
CountableAmount (Under ProcessControl, ActivityControl, MessageControl, Manifest, numberOfAttachments)		"0"
GlobalBusinessActionCode (Under ProcessControl, ActivityControl, MessageControl, Manifest, ServiceContentControl, ActionIdentity)		The Action Code corresponding to the action to which this message is in reply. See Appendix D GlobalBusinessActionCode Values for RosettaNet standard values.
FreeFormText (Under ProcessControl, ActivityControl, MessageControl, Manifest, ServiceContentControl, ActionIdentity, messageStandard)		"PIDX"
VersionIdentifier (Under ProcessControl, ActivityControl, MessageControl, Manifest, ServiceContentControl, ActionIdentity, standardVersion)		"1.0"
GlobalBusinessSignalCode (Under ProcessControl, ActivityControl, MessageControl, Manifest, ServiceContentControl, SignalIdentity)		"Exception"

VersionIdentifier (Under ProcessControl, ActivityControl, MessageControl, Manifest, ServiceContentControl, SignalIdentity)		"V02.00" This is the Signal Version Identifier from the Exception Message Guidelines.
GlobalPartnerRoleClassificationCode (Under ProcessControl, ActivityControl, MessageControl, toRole)		For signal messages, the value in the toRole must be the same as the value in the fromRole in the action message to which this message is replying.

Service Header Data Element for Exception	Decision Made	PIDX Standard
GlobalBusinessServiceCode (Under ProcessControl, ActivityControl, MessageControl, toService)		For signal messages, the value in the toService must be the same as the value in the fromService in the action message to which this message is replying
GlobalUsageCode (Under ProcessControl)		"Test" "Production"
ProprietaryReferenceIdentifier (Under ProcessControl, partnerDefinedPIPPayloadBindingId)		Not used for Signal messages.
GlobalProcessIndicatorCode (Under ProcessControl, pipCode)		Use the GlobalProcessIndicator code from the Service message of the acknowledged message.
InstanceIdentifier (Under ProcessControl, pipInstanceID)		Use the InstanceIdentifier from the acknowledged message.
VersionIdentifier (Under ProcessControl, pipVersion)		"1.0"
QualityofServiceSpecification (Under ProcessControl)		Not used
QualityofServiceSpecificationCode (Under ProcessControl, QualityOfServiceSpecifiction, QualityOfServiceElement)		Not used
Value (Under ProcessControl, QualityOfServiceSpecifiction, QualityOfServiceElement)		Not used
FreeFormText (Under ProcessControl, KnownInitiatingPartner, PartnerIdentification, domain)		"DUNS"
GlobalBusinessIdentifier (Under ProcessControl, KnownInitiatingPartner, PartnerIdentification)		Nine digit DUNS number for known partner

Value (Under ProcessControl, KnownInitiatingPartner, PartnerIdentification, locationID)		Location of known partner
FreeFormText (Under ProcessControl, UnknownInitiatingPartner, PartnerIdentification, domain)		Not used

Service Header Data Element for Exception	Decision Made	PIDX Standard
GlobalBusinessIdentifier (Under ProcessControl, UnknownInitiatingPartner, PartnerIdentification)		Not used
Value (Under ProcessControl, UnknownInitiatingPartner, PartnerIdentification, locationID)		Not used
UniformResourceLocator (Under ProcessControl, UnknownInitiatingPartner)		Not used

4.12.4 Service Content for Exception

Service Content Data Element	Decision Made	PIDX Standard
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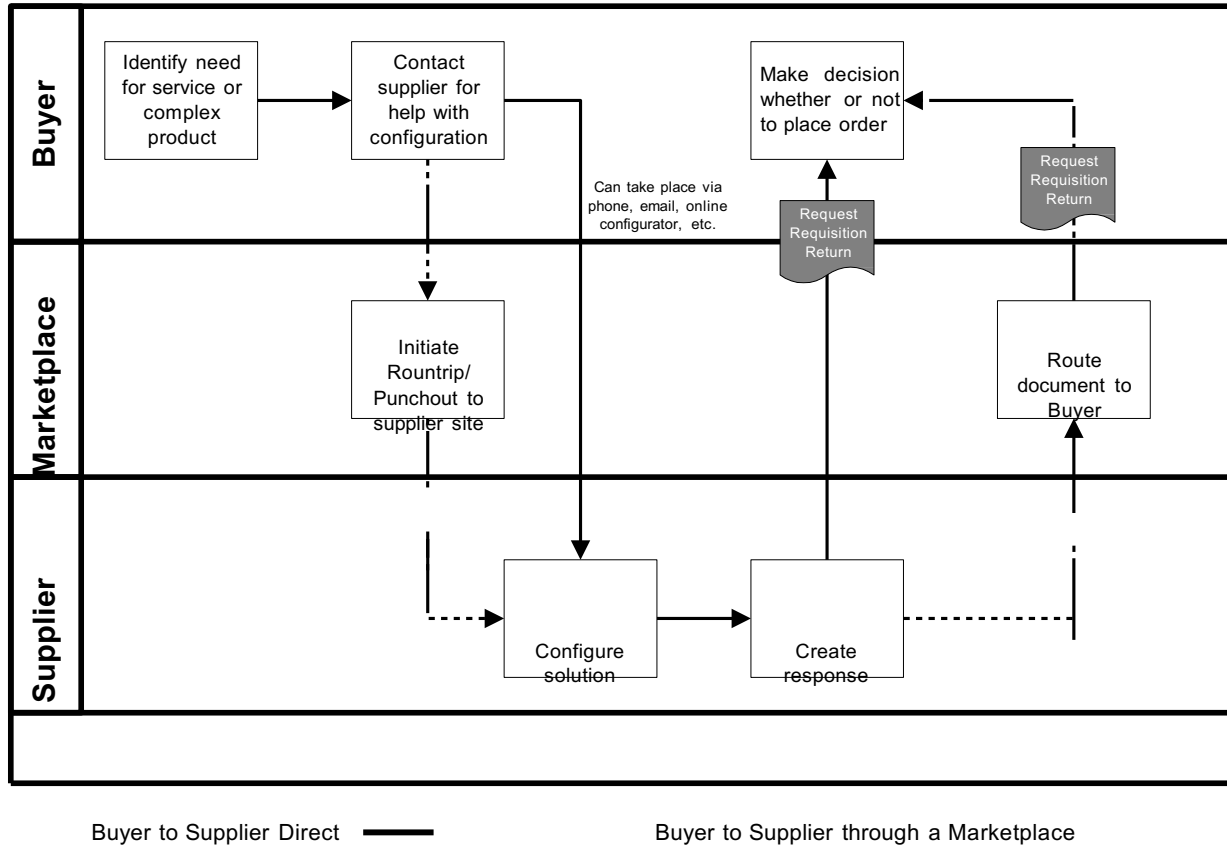
<p>GlobalMessageExceptionCode (under ExceptionDescription, errorClassification)</p>	<p style="text-align: center;">Page 62 of 828</p>	<p>"UNP.MESG.SIGNERR" Error during unpackaging – Verifying the signature of the RosettaNet Business Message</p> <p>"UNP.PRMB.READERR" Error during unpackaging – Reading the Preamble</p> <p>"UNP.PRMB.VALERR" Error during unpackaging – Validating the Preamble</p> <p>"UNP.DHDR.READERR" Error during unpackaging – Reading the Delivery Header</p> <p>"UNP.DHDR.VALERR" Error during unpackaging – Validating the Delivery Header</p> <p>"UNP.SHDR.READERR" Error during unpackaging – Reading the Service Header</p> <p>"UNP.SHDR.VALERR" Error during unpackaging – Validating the Service Header</p> <p>"UNP.SHDR.MNFSTERR" Error during unpackaging – Verifying Manifest against the actual attachment body parts</p> <p>"UNP.MESG.SEQERR" Error during unpackaging – Validating the message sequence</p> <p>"UNP.MESG.RESPTYPERR" Unexpected Response type in the HTTP header</p> <p>"UNP.MESG.DCRYPTERR" Error Decrypting the message</p> <p>"UNP.SCON.READERR" Error during unpackaging – Reading the Service Content</p> <p>"UNP.SCON.VALERR" Error during unpackaging – Validating the Service Content</p> <p>"PKG.MESG.GENERR" Error during packaging – General error</p> <p>"PRF.ACTN.GENERR" Error during action performance – General Error</p> <p>"PRF.DICT.VALERR" Error during action performance – Validating the Service Content against a PIP-specified dictionary</p>
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Service Content Data Element	Decision Made	PIDX Standard
		"UNP.MESG.GENERR" Error during unpackaging – General error
FreeFormText (under ExceptionDescription, errorDescription)		
GlobalMessageComponentCode (under ExceptionDescription, offendingMessageComponent)		Where error was detected: "Preamble" "DeliveryHeader" "ServiceHeader" "ServiceContent" "Attachment"
GlobalExceptionTypeCode		"General Exception" "Receipt Acknowledgement Exception"

5.0 Request Requisition Return

5.1 Business Process Diagram

Below is the Business Process Diagram for the Request Requisition Return transaction, using either a B2B or Marketplace model. Solid lines indicate transactions between a Buyer and Seller directly. Dashed lines illustrate the transactions between the Buyer and Seller via a Marketplace. These are not the only two methods in which the process can take place, however, they represent the two primary processes. Third parties other than a Marketplace may be involved if necessary.



B2B Model - A Buyer or buying organization either navigates to a web-enabled configurator on the Seller's web site or contacts the Seller directly to provide information about the service. The Seller uses the information provided by the Buyer to configure a solution and respond to the Buyer via the Request Requisition Return document.

Marketplace Model - A Buyer or buying organization uses a Marketplace to open up a roundtrip or punchout session to the Seller's configurator on the Seller's web site to provide

information about the service. The Seller uses the information provided by the Buyer to configure a solution and respond to the Marketplace through the roundtrip or punchout session. The Marketplace then routes on the Request Requisition Return document to the Buyer.

The Request Requisition Return document is used when a response from a Seller's configurator is necessary prior to the creation of a Quote. This document is sometimes known as a "Shopping Cart".

5.2 Legend to Tables

The following tables detail the elements and attributes that make up the Request Requisition Return. The legend below provides guidance to understanding the element tables. The legend is an example only and is not part of the document standard data.

Telephone ¹

A collection of elements detailing information about a telephone number. ²

³ note					
level	OrderCreateProperties OrderCreateDetails	⁴			
children	Name PhoneNumber A numerical sequence to reach a telephone attached to a communication network. PhoneNumberExtension An extension number that is needed to further identify the phone number. TelecomCountryCode The dialing code from another country to access the telephone network in another country. TelecomAreaCode The area code within a country or jurisdiction, if needed, to access local telephones within the country.	⁵	⁶	⁷	Type string string string string Use M O O O Max 1 1 1 1
parent(s)	ContactInformation	⁸			
attributes	Name telephoneIndicator A code to indicate the type of phone number being given. Fax <input type="checkbox"/> Mobile Pager <input type="checkbox"/> Voice Other <input type="checkbox"/>	⁹	¹⁰	¹¹ ¹² ¹³	Type string Use O Fixed

Legend	
1	The name of the element.
2	The definition of the element.
3	Contains any business rules or comments about the element
4	Identifies whether or not the element is under the Property, Detail, or Summary level of the document
5	Contains the name of the child elements and their definitions. Those elements in blue are links to the element specification. Only those elements that contain children or attributes are hyperlinked.
6	Indicates the data type of the element.
7	Indicates whether the element is mandatory (M) or optional (O).
8	Indicates whether the element can have a maximum of one occurrence (1) or unbounded multiple occurrences (U)
9	Indicates the parent element of the element.

10	Contains the name of any attributes and their definitions.
11	Indicates the data type of the attribute. If the type is blank, then the element contains children rather than data.
12	Indicates whether the attribute is mandatory (M) or optional (O).
13	Provides a fixed value for the attribute.
14	The shaded areas provide either code list values, rules, or notes about the child element or attribute.

The document, its properties, details, line item, sub-line item, and summary elements are presented first. They are followed by an alphabetical listing of those elements used in the document and have children or attributes.

5.3 Document Detail

RequestRequisitionReturn

The root element of the Request Requisition Return message. It is used to return information from a configurator to the buyer.

note		Type	Use	Max
children	Name			
	RequestRequisitionReturnProperties		M	1
	A collection of elements defining the request requisition return "meta-data" or "common data".			
	RequestRequisitionReturnDetails		M	1
	A collection of elements defining the details of the Request Requisition Return message.			
	RequestRequisitionReturnSummary		M	1
	A collection of elements detailing the totals of the request requisition return.			
attributes	Name	Type	Use	Fixed
	transactionPurposeIndicator	string	M	
	A code indicating the purpose of the transaction.			
	Add			
	Cancellation	Change		
	Confirmation	Delete		
	Duplicate	Original		
	Replace	Request		
	Other			
	version	decimal	M	1.0
A fixed number indicating the version of the PIDX XML Standard on which the transaction is based.				

RequestRequisitionReturnProperties

A collection of elements defining the request requisition return "meta-data" or "common data".

note		Type	Use	Max
children	Name			
	RequestRequisitionReturnNumber	string	M	1
	A unique identifier for a Request Requisition Return message.			
	RequestRequisitionReturnDate	date	M	1
	The date upon which a request requisition return was created or deemed to have been issued.			
	Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.			
	QuoteRequestInformation		O	1
	A collection of elements containing relevant quote request information which needs to be referenced within other documentation and/or messages.			
	PartnerInformation		M	U
	A collection of elements detailing partner information.			
	RevisionNumber	string	O	1
	A number indicating the version of the document. It is used if a message is resent in its entirety to replace an earlier version.			
	LanguageCode	string	O	1
A code indicating the language used for the transaction.				
Use the codelist from ISO 639-2:1998 Codes for the representation of names of languages – Part 2: Alpha-3 Code.				
JobLocationInformation		O	1	
A collection of elements giving details of a job location.				
ServiceDateTime	datetime	O	U	
The actual and/or schedule dates for a service.				
ReferenceInformation		O	U	
A collection of elements detailing references to information that reside outside of the current transaction message.				
Attachment		O	U	
A collection of elements defining the details of an attachment to the document.				
Comment	string	O	1	
A free-form textual structure for general information or comments.				
parent(s)	RequestRequisitionReturn			

RequestRequisitionReturnDetails

A collection of elements defining the details of the Request Requisition Return message.

note		Type	Use	Max
children	Name			
	RequestRequisitionReturnLineItem		M	U
	A collection of elements defining the details of the line items making up the request requisition return.			

parent(s)	RequestRequisitionReturn
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RequestRequisitionReturnLineItem

A collection of elements defining the details of the line items making up the request requisition return.

note		Type	Use	Max
children	Name			
	LineItemNumber	string	M	1
	A sequential individual line identifier within a document containing service or item information.			
	LineItemInformation		M	1
	A collection of elements detailing identifying information about a line item.			
	RequestRequisitionReturnQuantity		M	1
	The number of units of an item or service recommended.			
	Pricing		O	1
	A collection of elements detailing price information.			
	CommodityCode	string	O	U
	A code indicating the categorization of a product or service in accordance with a particular standard.			
	PartnerInformation		O	U
	A collection of elements detailing partner information.			
	JobLocationInformation		O	1
	A collection of elements giving details of a job location.			
	Tax		O	U
	A collection of elements detailing information about tax applied to a transaction.			
ShippingAmount		O	1	
The monetary amount of shipping or freight charges.				
LineItemTotal		O	1	
The net total monetary amount for the line item.				
ServiceDateTime	datetime	O	U	
The actual and/or schedule dates for a service.				
ReferenceInformation		O	U	
A collection of elements detailing references to information that reside outside of the current transaction message.				
Attachment		O	U	
A collection of elements defining the details of an attachment to the document.				
Comment	string	O	1	
A free-form textual structure for general information or comments.				
RequestRequisitionReturnSubLineItem		O	U	
A collection of elements defining the details of the sub line items of a request requisition return. It is used if a line item needs to be broken down into further detail.				
parent(s)	RequestRequisitionReturnDetails			

RequestRequisitionReturnSubLinItem

A collection of elements defining the details of the sub line items of a request requisition return. It is used if a line item needs to be broken down into further detail.

note	Type	Use	Max
children	Name		
	SubLinItemNumber	M	1
	The sub-line item number relating to the primary line item referenced in the message.		
	LinItemInformation	M	1
	A collection of elements detailing identifying information about a line item.		
	RequestRequisitionReturnQuantity	M	1
	The number of units of an item or service recommended.		
	Pricing	O	1
	A collection of elements detailing price information.		
	CommodityCode	O	U
	A code indicating the categorization of a product or service in accordance with a particular standard.		
	PartnerInformation	O	U
	A collection of elements detailing partner information.		
	JobLocationInformation	O	1
	A collection of elements giving details of a job location.		
	Tax	O	U
	A collection of elements detailing information about tax applied to a transaction.		
	ShippingAmount	O	1
	The monetary amount of shipping or freight charges.		
	LinItemTotal	O	1
	The net total monetary amount for the line item.		
	ServiceDateTime	O	U
	The actual and/or schedule dates for a service.		
	ReferenceInformation	O	U
	A collection of elements detailing references to information that reside outside of the current transaction message.		
	Attachment	O	U
	A collection of elements defining the details of an attachment to the document.		
	Comment	O	1
	A free-form textual structure for general information or comments.		
parent(s)	RequestRequisitionReturnLinItem		

RequestRequisitionReturnSummary

A collection of elements detailing the totals of the request requisition return.

note

children	Name	Type	Use	Max
	RequestRequisitionReturnTotal The total monetary amount of the Request Requisition Return.		M	1
	TotalLineItems The total number of line items contained in a message.	integer	M	1
	ShippingAmount The monetary amount of shipping or freight charges.		O	1
	Tax		O	U

	<p>A collection of elements detailing information about transactions applied to a transaction.</p> <p>SubTotal Amount 0 u</p> <p>The monetary amount of the subtotal. It is qualified by the subTotalIndicator attribute which identifies what the subtotal is representing.</p>
parent(s)	Request/Requisition/Return

AddressInformation

A collection of elements defining the details of an address.

note					
level	RequestRequisitionReturnProperties RequestRequisitionReturnDetails				
children	Name	Type	Use	Max	
	POBoxNumber	string	O	1	
	The identity of a physical box within a postal facility to accept and receive mail.				
	BuildingHouseNumber	string	O	1	
	The alphanumeric identifier of a building as a part of an address.				
	StreetName	string	O	1	
	The name of a street as part of an address.				
	AddressLine	string	O	U	
	An occurrence of a generally accepted formatted line of data such that when combined with the entire address structure there is sufficient information for delivery or location purposes.				
	CityName	string	O	1	
	The name of the city or municipality.				
	StateProvince	string	O	1	
	The name of the municipality or town as a location for mailing, siting and other geographic functions.				
PostalCode	string	O	1		
The code assigned by local postal authorities to delivery addresses.					
PostalCountry		O	1		
The country code indicating the country to which mail should be delivered.					
CountyName	string	O	1		
The name of the county.					
LocationIdentifier					
A unique identifier for a physical location.					
parent(s)	JobLocationInformation PartnerInformation TaxLocation				

AlternativeCommunicationMethod

Additional methods of communication, such as an IP Address or Printer ID, in addition to those specifically listed elsewhere in contact or address information.

note					
level	RequestRequisitionReturnProperties RequestRequisitionReturnDetails				
parent(s)	ContactInformation				

attributes	Name	Type	Use	Fixed
	alternativeCommunicationMethodIndicator	string	M	
	A code to indicate the type of alternative communication method.			
	AUTOVON			
	EDIAccessNumber			
	FederalTelecommunicationsSystem	IPAddress		
	PacketSwitching	PrinterID		

Station Cod
elemai
Telex
WX
Other

Attachment

A collection of elements defining the details of an attachment to the document.

note				
level	RequestRequisitionReturnProperties RequestRequisitionReturnDetails			
children	Name	Type	Use	Max
	AttachmentPurposeCode	string	0	1
	A code to indicate the purpose of the attachment.			
	Template			
	Other			
	FileName	string	0	1
	The name of the file in an attachment.			
	AttachmentTitle	string	0	1
	The title of the attachment.			
parent(s)	AttachmentDescription	string	0	1
	A free-form textual description of the attachment.			
	FileType	string	0	1
	The type of the file in an attachment.			
	AttachmentLocation	string	0	1
	The location of the attachment, such as a URL.			
	RequestRequisitionReturnLinItem RequestRequisitionReturnProperties RequestRequisitionReturnSubLinItem			

Block

A collection of elements defining the details of a block, which identifies a location.

note				
level	RequestRequisitionReturnProperties RequestRequisitionReturnDetails			
children	Name	Type	Use	Max
	BlockName	string	0	1
	The name of the block, which identifies a location.			
	OCSGNumber	string	0	1
parent(s)	The Outer Continental Shelf Gulf number.			
	StateLease	string	0	1
	Lease on state land.			
	GeographicalInformation			

CommodityCode

A code indicating the categorization of a product or service in accordance with a particular standard.

note	
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level	RequestRequisitionReturnDetails			
parent(s)	RequestRequisitionReturnLineItem RequestRequisitionReturnSubLineItem			
attributes	Name	Type	Use	Fixed
	agencyIndicator	string	O	
	A code indicating what agency or organization is responsible for defining the			

commodity code list.

ContactIdentifier

The identifier of the contact person or department.

note				
level	RequestRequisitionReturnProperties RequestRequisitionReturnDetails			
parent(s)	ContactInformation			
attributes	Name	Type	Use	Fixed
	contactIdentifierIndicator	string	0	
	A code to identify the origin of the contact identifier.			
	AssignedByBuyer			
	AssignedBySeller	EmployeeID		
	Other			

ContactInformation

A collection of elements defining details of communication for a contact person.

note	It is recommended that ContactInformation be used at either the Property or Detail level, but not both.			
level	RequestRequisitionReturnProperties RequestRequisitionReturnDetails			
children	Name	Type	Use	Max
	ContactIdentifier	string	0	1
	The identifier of the contact person or department.			
	ContactName	string	0	1
	The name of the contact person within the organization.			
	ContactDescription	string	0	1
	A free-form textual description of the contact.			
	Telephone		0	U
	A collection of elements detailing information about a telephone number.			
	EmailAddress	string	0	1
	The address assigned to a person or organization to receive electronic messages.			
	AlternativeCommunicationMethod	string	0	U
	Additional methods of communication, such as an IP Address or Printer ID, in addition to those specifically listed elsewhere in contact or address information.			
parent(s)	PartnerInformation			

attributes	Name	Type	Use	Fixed
	contactInformationIndicator	string	M	
	A code indicating the function of the contact.			
	BuyerDepartment	DeliveryContact		
	DesignEngineer	Engineer		
	EnteredBy			
	FieldRepresentative			
	OfficeRepresentative			
	OrderContact	PurchasingAgent		
	QuotePreparer	QuoteRequestor		

	R Conta
	-salesRepresentative:
	-ServiceCoordinator
	TechnicalMarketingRepresentative:
	Other

EffectiveDates

The period of time (or range) where the information is valid or guaranteed.

note				
level	RequestRequisitionReturnProperties RequestRequisitionReturnDetails			
children	Name	Type	Use	Max
	FromDate The date upon which a time period begins. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	M	1
children	ToDate The date upon which a time period ends. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	M	1
	parent(s)	TaxInformation		

GeographicalInformation

A collection of elements defining a geographical location.

note	If any one of Section, Township, or Range is given then the other two are required.			
level	RequestRequisitionReturnProperties RequestRequisitionReturnDetails			
children	Name	Type	Use	Max
	FieldName The name of the oil field.	string	O	1
children	Section A part of Section/Township/Range location identifier scheme.	string	O	1
	Township A part of Section/Township/Range location identifier scheme.	string	O	1
children	Range A part of Section/Township/Range location identifier scheme.	string	O	1
	Region The name of a geographic region.	string	O	1
children	Block A collection of elements defining the details of a block, which identifies a location.		O	1
	GPSCoordinates A collection of elements containing latitude and longitude data for a specific location.		O	1
parent(s)	JobLocationInformation			

GPSCoordinates

A collection of elements containing latitude and longitude data for a specific location.

note	
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level	RequestRequisitionReturnProperties RequestRequisitionReturnDetails			
children	Name	Type	Use	Max
	Latitude	string	M	1
	The specified latitude of a location.			
	Longitude	string	M	1

The specified longitude of a location.

parent(s) [G"mrphjcal hfnan;rtjnp](#)

JobLocationIdentifier

A unique identifier referencing the job location.

note				
level	RequestRequisitionReturnProperties RequestRequisitionReturnDetails			
parent(s)	JobLocationInformation			
attributes	<p>Name</p> <p>jobLocationIdentifierIndicator</p> <p>A code to define what type of location the identifier is referencing.</p> <p>ChemicalPlant Coal-</p> <p>Degas CogenerationPlant</p> <p>Construction Dock</p> <p>GasPlant</p> <p>IndustrialServiceMiscellaneous</p> <p>MilitaryGovernment PaperMill</p> <p>PetroleumPlant Pipeline</p> <p>Refinery Rig</p> <p>UtilityPlant</p> <p>Other</p>	Type	Use	Fixed
		string	O	

JobLocationInformation

A collection of elements giving details of a job location.

note	
level	RequestRequisitionReturnProperties RequestRequisitionReturnDetails

children	Name	Type	Use	Max
	JobLocationIdentifier A unique identifier referencing the job location.	string	0	U
	JobLocationClassCode A code indicating the class of the job location.	string	0	1
	FederalWaters Land InlandWaters StateWaters Other			
	JobLocationDescription A free-form textual description of the job location.	string	0	1
	JobLocationStatus A code indicating whether a location is active or inactive.	string	0	1
	Inactive Active Other			
	WellInformation A collection of elements detailing information about a well.		0	1
	JobSiteCategory A code indicating the kind of site on which the job is located.	string	0	1
	Boiler CivilHighways Compression Condenser ConstructPiles Dams HeatExchanger IndustrialServiceMiscellaneous Piping Production TowerVessel Turbine UndergroundStr Other			
	AddressInformation A collection of elements defining the details of an address.		0	1
	GeographicalInformation A collection of elements defining a geographical location.		0	1
parent(s)	RequestRequisitionReturnLineItem RequestRequisitionReturnProperties RequestRequisitionReturnSubLineItem			

LinItemIdentifier

The unique identifier for a product or service making up the line item.

note				
level	RequestRequisitionReturnDetails			
parent(s)	LinItemInformation			
attributes	Name	Type	Use	Fixed
	identifierIndicator	string	M	
	A code to indicate the origin of the identifier.			
	AssignedByBuyer			
	AssignedByManufacturer			
	AssignedBySeller			
	CatalogueNumber	UPCNumber		
	Other			

LinItemInformation

A collection of elements detailing identifying information about a line item.

note				
level	RequestRequisitionReturnDetails			
children	Name	Type	Use	Max
	LinItemIdentifier	string	O	U
	The unique identifier for a product or service making up the line item.			
	LinItemName	string	O	1
	The name of the product or service in the line item.			
children	LinItemDescription	string	O	1
	A free-form textual description of the line item.			
	ManufacturerIdentifier	string	O	1
A unique identifier for a manufacturer.				
parent(s)	RequestRequisitionReturnLinItem RequestRequisitionReturnSubLinItem			

LinItemTotal

The net total monetary amount for the line item.

note				
level	RequestRequisitionReturnDetails			
children	Name	Type	Use	Max
	MonetaryAmount	decimal	M	1
	The currency value of a transaction or item.			
children	CurrencyCode	string	O	1
	A code indicating the currency in which the monetary amount is specified.			

	Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.
parent(s)	RequestRequisitionReturnLineItem RequestRequisitionReturnSubLineItem

MeasurementRange

A collection of elements providing a minimum and maximum measurement to create a range.

note				
level	RequestRequisitionReturnDetails			
children	Name	Type	Use	Max
	MinimumMeasurement	decimal	M	1
	The smallest measurement in a given range.			
	MaximumMeasurement	decimal	M	1
	The largest measurement in a given range.			
parent(s)	PriceBasis			

PartnerIdentifier

A unique identifier indicating a particular partner or organization.

note				
level	RequestRequisitionReturnProperties RequestRequisitionReturnDetails			
parent(s)	PartnerInformation			
attributes	Name	Type	Use	Fixed
	partnerIdentifierIndicator	string	M	
	A code to identify the origin of the Partner Identifier.			
	AssignedByBuyer			
	AssignedBySeller	DUNSNuMber		
	DUNS+4Number	Other		

PartnerInformation

A collection of elements detailing partner information.

note				
level	RequestRequisitionReturnProperties RequestRequisitionReturnDetails			
children	Name PartnerIdentifier A unique identifier indicating a particular partner or organization. PartnerName The name of the organization being referenced in Partner Information. AddressInformation A collection of elements defining the details of an address. ContactInformation A collection of elements defining details of communication for a contact person. TaxInformation A collection of elements detailing tax information about a partner. URL A Uniform Resource Locator indicating an internet address.	Type string string string string string string	Use M O O O O	Max U 1 1 U 1 1
parent(s)	RequestRequisitionReturnLineItem RequestRequisitionReturnProperties RequestRequisitionReturnSubLineItem TransportInformation			

attributes	Name	Type	Use	Fixed
	partnerRoleIndicator	string	M	
	A code to indicate the role in this transaction of the partner being referenced.			
	BillAndShipTo			
	BillTo			
	Carrier			
	CommissionPayee			
	FinalRecipient			
	Manufacturer			
	Marketplace			
	MaterialIssuer			
	OnsiteContractingCompany			
	OperatingCompany			
	Payer			
	PrimaryContractor			
	RemitTo			
	Seller			
	ShipFromParty			
	ShipToParty			
	SoldTo			
	ThirdParty			
	Vendor			
	Warehouse			
	Other			

PostalCountry

The country code indicating the country to which mail should be delivered.

note				
level	RequestRequisitionReturnProperties RequestRequisitionReturnDetails			
children	Name CountryCode A code indicating a country. Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.	Type	Use	Max
		string	M	1
parent(s)	AddressInformation			

PriceBasis

A structure allowing for a price to be based on more than just a single unit of measure.

note				
level	RequestRequisitionReturnDetails			
children	Name Measurement A numeric value for technical or attribute data. MeasurementRange A collection of elements providing a minimum and maximum measurement to create a range. UnitOfMeasureCode A code identifying the units in which measurement is expressed. BasisDescription Free-form textual description of the basis.	Type	Use	Max
		decimal	O	1
			O	1
		string	M	1
		string	O	1
parent(s)	Pricing			

Pricing

A collection of elements detailing price information.

note				
level	RequestRequisitionReturnDetails			
children	Name UnitPrice The unit price of the product or service being sold. PriceBasis A structure allowing for a price to be based on more than just a single unit of measure.	Type	Use	Max
			M	1
			O	U
parent(s)	RequestRequisitionReturnLineItem RequestRequisitionReturnSubLineItem			

QuoteRequestInformation

A collection of elements containing relevant quote request information which needs to be referenced within other documentation and/or messages.

note				
level	RequestRequisitionReturnProperties			
children	Name	Type	Use	Max
	QuoteRequestNumber	string	M	1
	A unique identifier for a Quote Request message.			
	QuoteRequestDate	string	M	1
The date upon which a request was created or deemed to have been issued.				
Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.				
RevisionNumber	string	O	1	
A number indicating the version of the document. It is used if a message is resent in its entirety to replace an earlier version				
parent(s)	RequestRequisitionReturnProperties			

ReferenceInformation

A collection of elements detailing references to information that reside outside of the current transaction message.

note	It is recommended that ReferenceInformation be used at either the Property or Detail level, but not both.			
level	RequestRequisitionReturnProperties RequestRequisitionReturnDetails			
children	Name	Type	Use	Max
	ReferenceNumber A number or identifier that is used to reference documents or information not included within a particular message. The referenceInformationIndicator attribute qualifies what this number references Description A free-form textual explanation or clarification.	string string	M O	1 1
parent(s)	RequestRequisitionReturnLineItem RequestRequisitionReturnProperties RequestRequisitionReturnSubLineItem			

attributes	Name	Type	Use	Fixed
	referenceInformationIndicator	string	M	
	A code to identify what type of information is being referenced.			
	AFENumber	BatchNumber		
	BillOfLading	Certification		
	CertifiedInspectionTestResults			
	ConfigurationNumber			
	ContractNumber			
	CostAllocationReference	CostCenter		
	CustomerAccountingReference			
	CustomerReferenceNumber			
	DeliveryTicketNumber			
	DivisionIdentifier			
	EngineeringChangeOrderNumber	JobNumber		
	LetterOfCreditNumber			
	LocationNumber			
	MaterialSafetyDataSheet			
	OperatorGeneralLedgerCode			
	OriginalInvoiceNumber			
	PriceAreaNumber	ProjectNumber		
	ProposalNumber	QuoteNumber		
	RequestForQuotationNumber			
	TemplateName			
	Other			

RequestRequisitionReturnQuantity

The number of units of an item or service recommended.

note				
level	RequestRequisitionReturnDetails			
children	Name	Type	Use	Max
	Quantity A numeric count of measure.	decimal	M	1
	UnitOfMeasureCode A code identifying the units in which measurement is expressed.	string	M	1
parent(s)	RequestRequisitionReturnLineItem RequestRequisitionReturnSubLineItem			

RequestRequisitionReturnTotal

The total monetary amount of the Request Requisition Return.

note				
level	RequestRequisitionReturnSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
parent(s)	RequestRequisitionReturnSummary			

ServiceDateTime

The actual and/or schedule dates for a service.

note	<p>Format is CCYY-MM-DDThh:mm:ss where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day. The letter "T" is the date/time separator and "hh", "mm", "ss" represent hour, minute and second respectively.</p> <p>The CCYY field must have at least four digits, the MM, DD, SS, hh, mm and ss fields exactly two digits each. Leading zeroes must be used if the field would otherwise have too few digits.</p> <p>If no time is to be given then use zeroes in the hh, mm and ss fields.</p> <p>This representation may be immediately followed by a "Z" to indicate Coordinated Universal Time (UTC) or, to indicate the time zone, i.e. the difference between the local time and Coordinated Universal Time, immediately followed by a sign, + or -, followed by the difference from UTC represented as hh:mm (note: the minutes part is required). For example, to indicate 1:20 pm on May the 31st, 1999 for Eastern Standard Time which is 5 hours behind Coordinated Universal Time (UTC), one would write: 1999-05-31T13:20:00-05:00.</p>			
level	RequestRequisitionReturnProperties RequestRequisitionReturnDetails			
parent(s)	RequestRequisitionReturnLineItem RequestRequisitionReturnProperties RequestRequisitionReturnSubLineItem			
attributes	Name	Type	Use	Fixed
	dateTypeIndicator	string	M	
	A code to identify which date being given.			
	ArriveLocationDate	InvoiceDueDate		
	InvoicePeriodStartDate			
	LeaveLocationDate			
	PromisedForDelivery			
	PromisedForShipment			
	RequestedForDelivery			
	RequestedForShipment			
	ServicePeriodEnd			
	ServicePeriodStart	ShipDate		
	Other			

ShippingAmount

The monetary amount of shipping or freight charges.

note	
level	RequestRequisitionReturnDetails RequestRequisitionReturnSummary

	Name	Type	Use	Max
children	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
parent(s)	RequestRequisitionReturnLineItem RequestRequisitionReturnSubLineItem RequestRequisitionReturnSummary			

SubTotalAmount

The monetary amount of the subtotal. It is qualified by the subTotalIndicator attribute which identifies what the subtotal is referencing.

note				
level	RequestRequisitionReturnSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
parent(s)	RequestRequisitionReturnSummary			
attributes	Name	Type	Use	Fixed
	subTotalIndicator A code to indicate the type of subtotal being given.	string	M	
	Equipment	Labor		
	Materials	Other		

Tax

A collection of elements detailing information about tax applied to a transaction.

note	It is recommended that Tax be used at the Detail level to support tax exemptions. However, many systems cannot provide detail-level Tax information at this time, therefore, Tax is not mandatory at the detail level.
level	RequestRequisitionReturnDetails RequestRequisitionReturnSummary

children	Name	Type	Use	Max
	TaxTypeCode	string	M	1
	A code indicating the kind of tax being applied.			
	CitySalesTax			
	CountyParishSalesTax	CountyTax		
	FederalExciseTax			
	GoodsAndServicesTax			
	GrossReceiptsTax	LocalTax		
	MetropolitanTransitTax			
	StateAndLocalSalesTax			
	StateProvincialTax	StateSalesTax		
	ValueAddedTax	WellServiceTax		
	Other			
	MixedRateIndicator	string	O	1
	A mixed rate VAT tax indicator. This is used for European tax purposes.			
	TaxIdentifierNumber	string	O	1
	A unique number or code issued to an organization by a governmental or regulatory body identifying that entity for tax purposes.			
	TaxExemptCode	string	O	1
	A code identifying exemption status from sales and use tax.			
	DirectPay	Exempt		
	NonExempt	Other		
	<u>TaxLocation</u>		O	1
	The physical or deemed location at which tax is calculated based upon jurisdiction by a governmental or regulatory body.			
	TaxRate	decimal	O	1
	The percentage or monetary amount charged on a transaction.			
	<u>TaxBasisAmount</u>		O	1
	The monetary amount which is subject to tax.			
	<u>TaxAmount</u>		O	1
	The monetary amount of the tax.			
	TaxReference	string	O	1
	A free-form textual explanation or clarification.			
parent(s)	RequestRequisitionReturnLineItem RequestRequisitionReturnSubLineItem RequestRequisitionReturnSummary			

TaxAmount

The monetary amount of the tax.

note				
level	RequestRequisitionReturnDetails RequestRequisitionReturnSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal	M	1
		string	O	1
parent(s)	Tax			

TaxBasisAmount

The monetary amount which is subject to tax.

note				
level	RequestRequisitionReturnDetails RequestRequisitionReturnSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal	M	1
		string	O	1
parent(s)	Tax			

TaxInformation

A collection of elements detailing tax information about a partner.

note				
level	RequestRequisitionReturnProperties RequestRequisitionReturnDetails			

children	Name	Type	Use	Max
	TaxIdentifierNumber A unique number or code issued to an organization by a governmental or regulatory body identifying that entity for tax purposes.	string	0	1
	Jurisdiction The authority exercised by a nation, a judicial body, or a legislative body over persons, places, and property. Jurisdiction may apply to the territory over which a nation has control, including the land area, the adjacent sea, and the airspace above. It may also refer to the authority of an international body to make decisions binding on national entities.	string	0	1
	TaxCertificateType The category of tax certificate for which an identifying number is issued.	string	0	1
	TaxCertificateNumber The identifying number for a tax certificate such as tax exemption, sales and use tax certificate or other such document.	string	0	1
parent(s)	PartnerInformation			

TaxLocation

The physical or deemed location at which tax is calculated based upon jurisdiction by a governmental or regulatory body.

note					
level	RequestRequisitionReturnDetails RequestRequisitionReturnSummary				
children	Name	Type	Use	Max	
	LocationIdentifier	string	O	1	
	A unique identifier for a physical location.				
	LocationName	string	O	1	
	The name of the location being referenced.				
children	LocationDescription	string	O	1	
	Free-form textual description of the location.				
	AddressInformation		O	1	
A collection of elements defining the details of an address.					
parent(s)	Tax				

Telephone

A collection of elements detailing information about a telephone number.

note					
level	RequestRequisitionReturnProperties RequestRequisitionReturnDetails				
children	Name	Type	Use	Max	
	PhoneNumber	string	M	1	
	A numerical sequence to reach a telephone attached to a communication network.				
	PhoneNumberExtension	string	O	1	
	An extension number that is needed to further identify the phone number.				
children	TelecomCountryCode	string	O	1	
	The dialing code from another country to access the telephone network in another country.				
	TelecomAreaCode	string	O	1	
The area code within a country or jurisdiction, if needed, to access local telephones within the country.					
parent(s)	ContactInformation				
attributes	Name	Type	Use	Fixed	
	telephoneIndicator	string	O		
	A code to indicate the type of phone number being given.				
	Fax	Mobile			
	Pager	Voice			
Other					

UnitPrice

A collection of elements detailing how product is transported.

note				
level	RequestRequisitionReturnDetails			
children	Name	Type	Use	Max
	MonetaryAmount	decimal	M	1
	The currency value of a transaction or item.			
	UnitOfMeasureCode	string	M	1
A code identifying the units in which measurement is expressed.				
CurrencyCode	string	O	1	
A code indicating the currency in which the monetary amount is specified.				
Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.				
parent(s)	Pricing			

WellIdentifier

A unique identifier referencing a well, such as an UWI number.

note				
level	RequestRequisitionReturnProperties RequestRequisitionReturnDetails RequestRequisitionReturnSummary			
parent(s)	WellInformation			
attributes	Name	Type	Use	Fixed
	wellIdentifierIndicator	string	O	
	A code to indicate the origin of the Well Identifier.			
	Number	CustomerNumber		
UWIDNumber				
Other				

WellInformation

A collection of elements detailing information about a well.

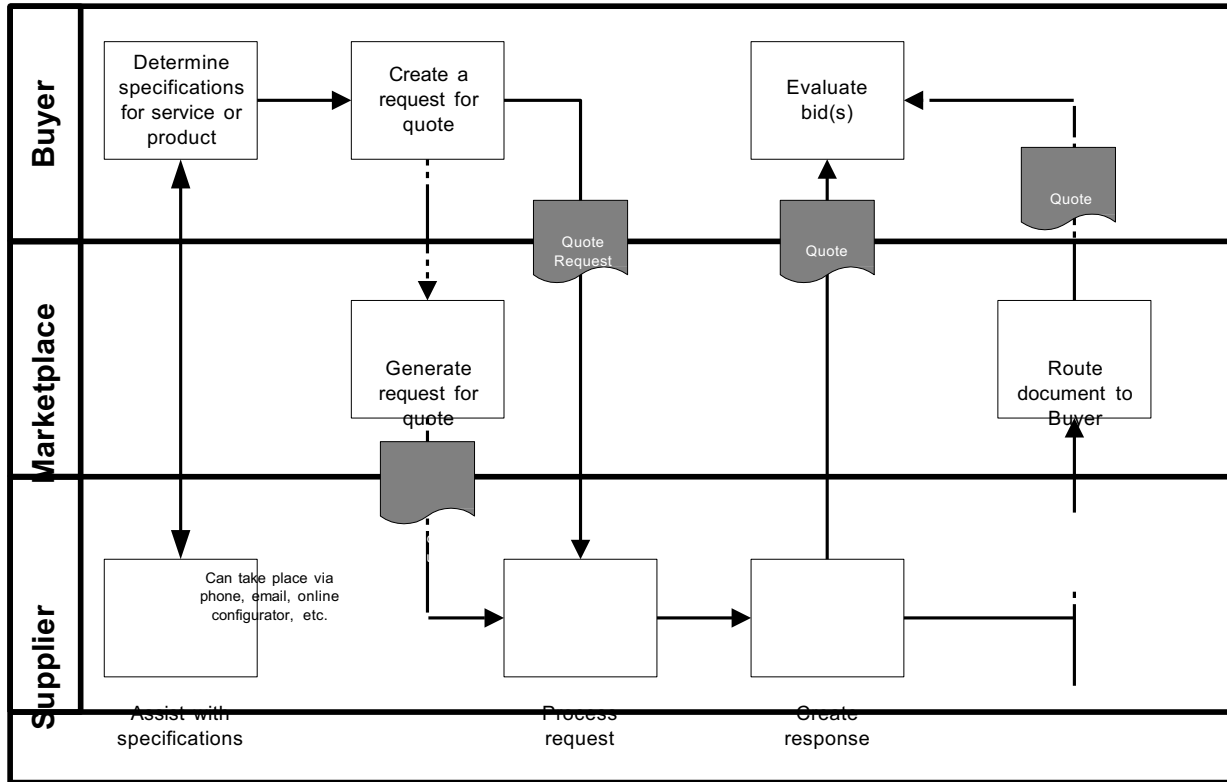
note	
level	RequestRequisitionReturnProperties RequestRequisitionReturnDetails RequestRequisitionReturnSummary

children	Name	Type	Use	Max
	<u>WellIdentifier</u> A unique identifier referencing a well, such as an UWI number.	string	M	U
	WellName The customer name of a well.	string	O	1
	WellType A code indicating the function of the well.	string	O	1
	Brine	DirectionalGas		
	DirectionalNonWell	DirectionalOil		
	DisposalWell	Environmental		
	Gas	HorizontalGas		
	HorizontalOil	IndustrialDisposal		
	IndustrialNonWell	Injection		
	NonWell	Oil		
	Relief	Storage		
	Sulfur	Thermal		
	Uranium	Water		
	Other			
	WellCategory A code indicating the category of a well.	string	O	1
	Abandoned	DevBelow3000		
	Development	ExistingWell		
	NonWell	ReacidizeWell		
	Recompletion	RefractedWell		
	Wildcat	Workover		
	Other			
parent(s)	<u>JobLocationInformation</u>			

6.0 Quote Request

6.1 Business Process Diagram

Below is the Business Process Diagram for the Quote Request transaction, using either a B2B or Marketplace model. Solid lines indicate transactions between a Buyer and Seller directly. Dashed lines illustrate the transactions between the Buyer and Seller via a Marketplace. These are not the only two methods in which the process can take place, however, they represent the two primary processes. Third parties other than a Marketplace may be involved if necessary.



B2B Model - A Buyer or buying organization determines the specifications for the service or complex product. This may entail receiving assistance from the Seller via a configurator, telephone call, email, etc. Then the request for quote is created and sent to the Seller. The Seller then generates a quote based upon the request and sends it to the Buyer for evaluation. If any dialogue between the Buyer and Seller about the request or quote is necessary, it will take

place via email, phone, internet, etc.

Marketplace Model - A Buyer or buying organization determines the specifications for the service or complex product. This may entail receiving assistance from the Seller via a configurator, telephone call, email, etc. Then the request for quote is created and sent to the Seller through a Marketplace. The Seller then generates a quote based upon the request and sends it to the Marketplace. The Marketplace then routes the quote to the Buyer for evaluation. If any dialogue between the Buyer and Seller about the request or quote is necessary, it will take place via email, phone, internet, etc.

The Quote Request document is used when a price quote from one or many suppliers is necessary prior to creating an order for a service or complex product.

6.2 Legend to Tables

The following tables detail the elements and attributes that make up the Quote Request. The legend below provides guidance to understanding the element tables. The legend is an example only and is not part of the document standard data.

Telephone ¹											
A collection of elements detailing information about a telephone number. ²											
³ note											
level	OrderCreateProperties ⁴ OrderCreateDetails										
children	Name ⁵ PhoneNumber ⁶ A numerical sequence to reach a telephone attached to a communication network. PhoneNumberExtension An extension number that is needed to further identify the phone number. TelecomCountryCode The dialing code from another country to access the telephone network in another country. TelecomAreaCode The area code within a country or jurisdiction, if needed, to access local telephones within the country.	Type	Use	Max							
		string ⁷	M	1							
		string	O	1							
		string	O	1							
		string	O	1							
parent(s)	ContactInformation ⁸										
attributes	Name ¹⁰ telephoneIndicator ¹¹ ¹⁴ ¹² A code to indicate the type of phone number being given. <table border="1"> <tr> <td>Fax</td> <td>Mobile</td> </tr> <tr> <td>Pager</td> <td>Voice</td> </tr> <tr> <td>Other</td> <td></td> </tr> </table>	Fax	Mobile	Pager	Voice	Other		Type	Use	Fixed	
Fax	Mobile										
Pager	Voice										
Other											
		string ¹³	O								

Legend	
1	The name of the element.
2	The definition of the element.
3	Contains any business rules or comments about the element
4	Identifies whether or not the element is under the Property, Detail, or Summary level of the document
5	Contains the name of the child elements and their definitions. Those elements in blue are links to the element specification. Only those elements that contain children or attributes are hyperlinked.
6	Indicates the data type of the element.

7	Indicates whether the element is mandatory (M) or optional (O).
8	Indicates whether the element can have a maximum of one occurrence (1) or unbounded multiple occurrences (U)
9	Indicates the parent element of the element.
10	Contains the name of any attributes and their definitions.
11	Indicates the data type of the attribute. If the type is blank, then the element contains children rather than data.
12	Indicates whether the attribute is mandatory (M) or optional (O).

13	Provides a fixed value for the attribute.
14	The shaded areas provide either code list values, rules, or notes about the child element or attribute.

The document, its properties, details, line item, sub-line item, and summary elements are presented first. They are followed by an alphabetical listing of those elements used in the document and have children or attributes.

6.3 Document Detail

QuoteRequest

The root element of the Quote Request message. It is used to place a request for quote.

note		Type	Use	Max
children	Name			
	QuoteRequestProperties		M	1
	A collection of elements defining the request "meta-data" or "common data".			
	QuoteRequestDetails		M	1
	A collection of elements defining the details of the Quote Request message.			
	QuoteRequestSummary		M	1
	A collection of elements detailing the totals of the request.			
attributes	Name	Type	Use	Fixed
	transactionPurposeIndicator	string	M	
	A code indicating the purpose of the transaction.			
	Add			
	Cancellation	Change		
	Confirmation	Delete		
	Duplicate	Original		
	Replace	Request		
	Other			
	version	decimal	M	1.0
A fixed number indicating the version of the PIDX XML Standard on which the transaction is based.				
parent(s)	QuoteRequestDetails			

QuoteRequestProperties

A collection of elements defining the request "meta-data" or "common data".

note	
------	--



children	Name	Type	Use	Max
	QuoteRequestNumber A unique identifier for a Quote Request message.	string	M	1
	QuoteRequestDate The date upon which a request was created or deemed to have been issued. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	M	1
	<u>PartnerInformation</u> A collection of elements detailing partner information.		M	U
	<u>ResultingOrderType</u> A code indicating what kind of order will be placed after a bid is awarded.		O	1
	RevisionNumber A number indicating the version of the document. It is used if a message is resent in its entirety to replace an earlier version.	string	O	1
	<u>RequestQuoteResponse</u> A collection of elements detailing when the quote is due and any instructions necessary.		O	1
	SpecialInvoicePreference A code indicating any special invoice requirements.	string	O	1
	InvoiceNotRequired			
	Other			
	<u>PrimaryCurrency</u> The currency code indicating the currency to be used for the transaction.		O	1
	<u>SecondCurrency</u> The currency code indicating a second currency, such as for European countries using the Euro and a local currency.		O	1
	LanguageCode A code indicating the language used for the transaction. Use the codelist from ISO 639-2:1998 Codes for the representation of names of languages – Part 2: Alpha-3 Code.	string	O	1
	<u>JobLocationInformation</u> A collection of elements giving details of a job location.		O	1
	<u>ServiceDateTime</u> The actual and/or schedule dates for a service.	datetime	O	U
	<u>CountryOfOrigin</u> The country where product originates or is deemed to have originated.		O	1
	<u>CountryOfFinalDestination</u> The country where product is ultimately delivered or is deemed to have been delivered.		O	1
	<u>TransportInformation</u> A collection of elements detailing how product is transported.		O	1
	<u>SpecialInstructions</u> A free-form textual description of special requirements.	string	O	U
	<u>ReferenceInformation</u> A collection of elements detailing references to information that reside outside of the current transaction message.		O	U
	<u>Attachment</u>		O	U

	A collection of elements defining the details of an attachment to the document. Comment A free-form textual structure for general information or comments.	string	0	1
parent(s)	QuoteRequest			

QuoteRequestDetails

A collection of elements defining the details of the Quote Request message.

note		Type	Use	Max
children	Name QuoteRequestLineItem A collection of elements defining the details of the line items making up the request.		M	U
parent(s)	QuoteRequest			

QuoteRequestLineItem

A collection of elements defining the details of the line items making up the request.

note	

children	Name	Type	Use	Max
	LineItemNumber	string	M	1
	A sequential individual line identifier within a document containing service or item information.			
	LineItemInformation		M	1
	A collection of elements detailing identifying information about a line item.			
	OrderQuantity		M	1
	The number of units of an item or service ordered.			
	CommodityCode		O	U
	A code indicating the categorization of a product or service in accordance with a particular standard.			
	PartnerInformation		O	U
	A collection of elements detailing partner information.			
	JobLocationInformation		O	1
	A collection of elements giving details of a job location.			
	AllowanceOrCharge		O	U
	A collection of elements defining the details of an allowance or charge to the customer.			
	Tax		O	U
	A collection of elements detailing information about tax applied to a transaction.			
	ServiceDateTime	datetime	O	U
	The actual and/or schedule dates for a service.			
	CountryOfOrigin		O	1
	The country where product originates or is deemed to have originated.			
	CountryOfFinalDestination		O	1
	The country where product is ultimately delivered or is deemed to have been delivered.			
	TransportInformation		O	1
	A collection of elements detailing how product is transported.			
	SpecialInstructions	string	O	U
	A free-form textual description of special requirements.			
	ReferenceInformation		O	U
	A collection of elements detailing references to information that reside outside of the current transaction message.			
	Attachment		O	U
	A collection of elements defining the details of an attachment to the document.			
	Comment	string	O	1
	A free-form textual structure for general information or comments.			

	<p>QuoteRequestLineItem</p> <p>A collection of elements defining the details of the sub line items of a quote. It is used if a line item needs to be broken down into further detail.</p>	0	U
parent(s)	<p>QuoteRequestLineItem</p>		

QuoteRequestSubLineItem

A collection of elements defining the details of the sub line items of a request. It is used if a line item needs to be broken down into further detail.

note		Type	Use	Max
children	Name			
	SubLineItemNumber	string	M	1
	The sub-line item number relating to the primary line item referenced in the message.			
	LineItemInformation		M	1
	A collection of elements detailing identifying information about a line item.			
	OrderQuantity		M	1
	The number of units of an item or service ordered.			
	CommodityCode		O	U
	A code indicating the categorization of a product or service in accordance with a particular standard.			
	PartnerInformation		O	U
	A collection of elements detailing partner information.			
	JobLocationInformation		O	1
	A collection of elements giving details of a job location.			
	AllowanceOrCharge		O	U
	A collection of elements defining the details of an allowance or charge to the customer.			
	Tax		O	U
	A collection of elements detailing information about tax applied to a transaction.			
	ServiceDateTime	datetime	O	U
	The actual and/or schedule dates for a service.			
	CountryOfOrigin		O	1
	The country where product originates or is deemed to have originated.			
	CountryOfFinalDestination		O	1
	The country where product is ultimately delivered or is deemed to have been delivered.			
	TransportInformation		O	1
	A collection of elements detailing how product is transported.			
	SpecialInstructions	string	O	U
	A free-form textual description of special requirements.			
	ReferenceInformation		O	U
	A collection of elements detailing references to information that reside outside of the current transaction message.			
	Attachment		O	U
	A collection of elements defining the details of an attachment to the document.			
	Comment	string	O	1
	A free-form textual structure for general information or comments.			
parent(s)	QuoteRequestLineItem			

QuoteRequestSummary

A collection of elements detailing the totals of the request.

note				
children	Name	Type	Use	Max
	TotalLineItems	string	M	1
	The total number of line items contained in a message.			

parent(s) | [Q.ref.BMr](#)
["st](#)

AddressInformation

A collection of elements defining the details of an address.

note				
level	QuoteRequestProperties QuoteRequestDetails			
children	<p>Name</p> <p>POBoxNumber The identity of a physical box within a postal facility to accept and receive mail.</p> <p>BuildingHouseNumber The alphanumeric identifier of a building as a part of an address.</p> <p>StreetName The name of a street as part of an address.</p> <p>AddressLine An occurrence of a generally accepted formatted line of data such that when combined with the entire address structure there is sufficient information for delivery or location purposes.</p> <p>CityName The name of the city or municipality.</p> <p>StateProvince The name of the municipality or town as a location for mailing, siting and other geographic functions.</p> <p>PostalCode The code assigned by local postal authorities to delivery addresses.</p> <p>PostalCountry The country code indicating the country to which mail should be delivered.</p> <p>CountyName The name of the county.</p> <p>LocationIdentifier A unique identifier for a physical location.</p>	<p>Type</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p>	<p>Use</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p>	<p>Max</p> <p>1</p> <p>1</p> <p>1</p> <p>U</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
parent(s)	JobLocationInformation Location PartnerInformation TaxLocation			

AllowanceOrCharge

A collection of elements defining the details of an allowance or charge to the customer.

note	If AllowanceOrCharge is used, then at least one of AllowanceOrChargeRate, AllowanceOrChargeTotalAmount, or AllowanceOrChargePercent is required.
level	QuoteRequestDetails

children	Name	Type	Use	Max
	AllowanceOrChargeTotalAmount The total monetary amount for the allowance or charge.		0	1
	AllowanceOrChargeRate The rate per unit of the allowance or charge.		0	1
	AllowanceOrChargePercent The allowance or charge expressed as a percentage.	decimal	0	1
	AllowanceOrChargeNumber The identifier assigned by a vendor referencing an allowance, promotion, deal or charge.	string	0	1
	AllowanceOrChargeTypeCode A code identifying the kind of allowance or charge being described.	string	0	1
	Freight			
	FuelSurcharge			
	SpecialHandlingService			
	Discount			
	FlatRate			
	EngineeringCharge			
	InvoiceAdjustment			
	InsuranceSurcharge			
	OneTimeLicenseFee			
	Royalties			
	MiscellaneousCharge			
	PostageCharge			
	TrailerRentalCharge			
	TransportationDirectBilling			
	TransportationVendorProvided			
	Other			
	MethodOfHandlingCode A code which describes how a particular allowance or charge should be handled.	string	0	1
	OffInvoice			
	ChargeToBePaidByCustomer			
	Other			
	AllowanceOrChargeDescription A free form description used to clarify the related allowance and charge data elements and their content.	string	0	1
	AllowanceOrChargeQuantity The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.		0	1
parent(s)	QuoteRequestLinItem QuoteRequestSubLinItem			

attributes	Name	Type	Use	Fixed
	allowanceOrChargeIndicator A code to indicate whether the information relates to an allowance or charge.	string	M	
	Allowance			
	Charge			
	Other			

AllowanceOrChargePercent

The allowance or charge expressed as a percentage.

note				
level	QuoteRequestDetails			
parent(s)	AllowanceOrCharge			
attributes	Name	Type	Use	Fixed
	percentIndicator	string	O	
	A code indicating on what basis the allowance or charge percent is calculated.			

AllowanceOrChargeQuantity

The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.

note				
level	QuoteRequestDetails			
children	Name	Type	Use	Max
	Quantity	decimal	M	1
	A numeric count of measure.			
	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed.			
	Use values from the DE 355 code list contained in ASC X12 release 3030.			
parent(s)	AllowanceOrCharge			

AllowanceOrChargeRate

The rate per unit of the allowance or charge.

note				
level	QuoteRequestDetails			
children	Name	Type	Use	Max
	MonetaryAmount	decimal	M	1
	The currency value of a transaction or item.			
	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed.			
	Use values from the DE 355 code list contained in ASC X12 release 3030.			
	CurrencyCode	string	O	1
	A code indicating the currency in which the monetary amount is specified.			
	Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.			
parent(s)	AllowanceOrCharge			

AllowanceOrChargeTotalAmount

The total monetary amount for the allowance or charge.

note				
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level	QuoteRequestDetails			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies	string	O	1

AlternativeCommunicationMethod

Additional methods of communication, such as an IP Address or Printer ID, in addition to those specifically listed elsewhere in contact or address information.

note																																									
level	QuoteRequestProperties QuoteRequestDetails																																								
parent(s)	ContactInformation																																								
attributes	<table border="0"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Fixed</th> </tr> </thead> <tbody> <tr> <td>alternativeCommunicationMethodIndicator</td> <td>string</td> <td>M</td> <td></td> </tr> <tr> <td colspan="4">A code to indicate the type of alternative communication method.</td> </tr> <tr> <td>AUTOVON</td> <td></td> <td></td> <td></td> </tr> <tr> <td>EDIAccessNumber</td> <td></td> <td></td> <td></td> </tr> <tr> <td>FederalTelecommunicationsSystem</td> <td>IPAddress</td> <td></td> <td></td> </tr> <tr> <td>PacketSwitching</td> <td>PrinterID</td> <td></td> <td></td> </tr> <tr> <td>StationCode</td> <td>Telemail</td> <td></td> <td></td> </tr> <tr> <td>Telex</td> <td>TWX</td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Fixed	alternativeCommunicationMethodIndicator	string	M		A code to indicate the type of alternative communication method.				AUTOVON				EDIAccessNumber				FederalTelecommunicationsSystem	IPAddress			PacketSwitching	PrinterID			StationCode	Telemail			Telex	TWX			Other			
Name	Type	Use	Fixed																																						
alternativeCommunicationMethodIndicator	string	M																																							
A code to indicate the type of alternative communication method.																																									
AUTOVON																																									
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FederalTelecommunicationsSystem	IPAddress																																								
PacketSwitching	PrinterID																																								
StationCode	Telemail																																								
Telex	TWX																																								
Other																																									

Attachment

A collection of elements defining the details of an attachment to the document.

note	
level	QuoteRequestProperties QuoteRequestDetails

	Name	Type	Use	Max
children	AttachmentPurposeCode	string	0	1
	A code to indicate the purpose of the attachment.			
	Template			
	Other			
	FileName	string	0	1
	The name of the file in an attachment.			
	AttachmentTitle	string	0	1
	The title of the attachment.			
	AttachmentDescription	string	0	1
A free-form textual description of the attachment.				
	FileType	string	0	1
The type of the file in an attachment.				
	AttachmentLocation	string	0	1
The location of the attachment, such as a URL.				
parent(s)	QuoteRequestLineItem QuoteRequestProperties QuoteRequestSubLineItem			

Block

A collection of elements defining the details of a block, which identifies a location.

note					
level	QuoteRequestProperties QuoteRequestDetails				
children	Name	Type	Use	Max	
	BlockName	string	0	1	
	The name of the block, which identifies a location.				
	OCSGNumber	string	0	1	
	The Outer Continental Shelf Gulf number.				
	StateLease	string	0	1	
	Lease on state land.				
parent(s)	GeographicalInformation				

CommodityCode

A code indicating the categorization of a product or service in accordance with a particular standard.

note					
level	QuoteRequestDetails				
parent(s)	QuoteRequestLineItem QuoteRequestSubLineItem				
attributes	Name	Type	Use	Fixed	
	agencyIndicator	string	0		
	A code indicating what agency or organization is responsible for defining the commodity code list.				

ContactIdentifier

The identifier of the contact person or department.

note					
level	QuoteRequestProperties QuoteRequestDetails				
parent(s)	ContactInformation				
attributes	Name	Type	Use	Fixed	
	contactIdentifierIndicator	string	0		
	A code to identify the origin of the contact identifier.				
	AssignedByBuyer				
	AssignedBySeller	EmployeeID			
	Other				

ContactInformation

A collection of elements defining details of communication for a contact person.

note	It is recommended that ContactInformation be used at either the Property or Detail level, but not both.				
level	QuoteRequestProperties QuoteRequestDetails				
children	Name	Type	Use	Max	
	ContactIdentifier	string	O	1	
	The identifier of the contact person or department.				
	ContactName	string	O	1	
	The name of the contact person within the organization.				
	ContactDescription	string	O	1	
	A free-form textual description of the contact.				
	Telephone			O	U
	A collection of elements detailing information about a telephone number.				
	EmailAddress	string	O	1	
The address assigned to a person or organization to receive electronic messages.					
AlternativeCommunicationMethod	string		O	U	
Additional methods of communication, such as an IP Address or Printer ID, in addition to those specifically listed elsewhere in contact or address information.					
parent(s)	PartnerInformation RequestQuoteResponse				
attributes	Name	Type	Use	Fixed	
	contactInformationIndicator	string	M		
	A code indicating the function of the contact.				
	BuyerDepartment	DeliveryContact			
	DesignEngineer	Engineer			
	EnteredBy				
	FieldRepresentative				
	OfficeRepresentative				
	OrderContact	PurchasingAgent			
	QuotePreparer	QuoteRequestor			
	RFQContact				
	SalesRepresentative				
	ServiceCoordinator				
	TechnicalMarketingRepresentative				
	Other				

CountryOfFinalDestination

The country where product is ultimately delivered or is deemed to have been delivered.

note				
level	QuoteRequestProperties QuoteRequestDetails			
children	Name	Type	Use	Max
	CountryCode	string	M	1

	A code indicating a country. Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.
parent(s)	QuoteRequestLineItem QuoteRequestProperties QuoteRequestSubLineItem

CountryOfOrigin

The country where product originates or is deemed to have originated.

note									
level	QuoteRequestProperties QuoteRequestDetails								
children	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>CountryCode</td> <td>string</td> <td>M</td> <td>1</td> </tr> </tbody> </table> <p>A code indicating a country. Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.</p>	Name	Type	Use	Max	CountryCode	string	M	1
Name	Type	Use	Max						
CountryCode	string	M	1						
parent(s)	QuoteRequestLineItem QuoteRequestProperties QuoteRequestSubLineItem								

EffectiveDates

The period of time (or range) where the information is valid or guaranteed.

note																					
level	QuoteRequestProperties QuoteRequestDetails																				
children	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>FromDate</td> <td>date</td> <td>M</td> <td>1</td> </tr> <tr> <td colspan="4">The date upon which a time period begins. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.</td> </tr> <tr> <td>ToDate</td> <td>date</td> <td>M</td> <td>1</td> </tr> <tr> <td colspan="4">The date upon which a time period ends. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.</td> </tr> </tbody> </table>	Name	Type	Use	Max	FromDate	date	M	1	The date upon which a time period begins. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.				ToDate	date	M	1	The date upon which a time period ends. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.			
Name	Type	Use	Max																		
FromDate	date	M	1																		
The date upon which a time period begins. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.																					
ToDate	date	M	1																		
The date upon which a time period ends. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.																					
parent(s)	TaxInformation																				

GeographicalInformation

A collection of elements defining a geographical location.

note	If any one of Section, Township, or Range is given then the other two are required.
level	QuoteRequestProperties QuoteRequestDetails

children	Name	Type	Use	Max
	FieldName The name of the oil field.	string	0	1
	Section A part of Section/Township/Range location identifier scheme.	string	0	1
	Township A part of Section/Township/Range location identifier scheme.	string	0	1

	Range A part of Section/Township/Range location identifier scheme.	string	O	1
	Region The name of a geographic region.	string	O	1
	Block A collection of elements defining the details of a block, which identifies a location.		O	1
	GPSCoordinates A collection of elements containing latitude and longitude data for a specific location.		O	1
parent(s)	JobLocationInformation Location			

GPSCoordinates

A collection of elements containing latitude and longitude data for a specific location.

note				
level	QuoteRequestProperties QuoteRequestDetails			
children	Name Latitude The specified latitude of a location. Longitude The specified longitude of a location.	Type string string	Use M M	Max 1 1
parent(s)	GeographicalInformation			

HazardousMaterialClassCode

A code indicating the kind of hazard for a material.

note				
level	QuoteRequestProperties QuoteRequestDetails			
parent(s)	HazardousMaterials			
attributes	Name hazardousMaterialIndicator A code which qualifies the Hazardous Material Class Code.	Type string	Use M	Fixed

HazardousMaterials

A collection of elements conveying hazardous goods information related to a product.

note	If HazardousMaterials is used, then at least one of SpecialHandlingCode or HazardousMaterialDescription is required.
level	QuoteRequestProperties QuoteRequestDetails

	Name	Type	Use	Max
children	SpecialHandlingCode A code identifying any special transportation handling instructions	string	O	1
	HazardousMaterialDescription A free-form textual explanation of information related to a hazardous shipment.	string	O	1
	<u>HazardousMaterialClassCode</u> A code indicating the kind of hazard for a material.	string	O	U
parent(s)	<u>TransportInformation</u>			

JobLocationIdentifier

A unique identifier referencing the job location.

note																																																					
level	QuoteRequestProperties QuoteRequestDetails																																																				
parent(s)	JobLocationInformation																																																				
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Fixed</th> </tr> </thead> <tbody> <tr> <td>jobLocationIdentifierIndicator</td> <td>string</td> <td>0</td> <td></td> </tr> <tr> <td colspan="4">A code to define what type of location the identifier is referencing.</td> </tr> <tr> <td>ChemicalPlant</td> <td>Coal-</td> <td></td> <td></td> </tr> <tr> <td>Degas</td> <td>CogenerationPlant</td> <td></td> <td></td> </tr> <tr> <td>Construction</td> <td>Dock</td> <td></td> <td></td> </tr> <tr> <td>GasPlant</td> <td></td> <td></td> <td></td> </tr> <tr> <td>IndustrialServiceMiscellaneous</td> <td></td> <td></td> <td></td> </tr> <tr> <td>MilitaryGovernment</td> <td>PaperMill</td> <td></td> <td></td> </tr> <tr> <td>PetroleumPlant</td> <td>Pipeline</td> <td></td> <td></td> </tr> <tr> <td>Refinery</td> <td>Rig</td> <td></td> <td></td> </tr> <tr> <td>UtilityPlant</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Fixed	jobLocationIdentifierIndicator	string	0		A code to define what type of location the identifier is referencing.				ChemicalPlant	Coal-			Degas	CogenerationPlant			Construction	Dock			GasPlant				IndustrialServiceMiscellaneous				MilitaryGovernment	PaperMill			PetroleumPlant	Pipeline			Refinery	Rig			UtilityPlant				Other			
Name	Type	Use	Fixed																																																		
jobLocationIdentifierIndicator	string	0																																																			
A code to define what type of location the identifier is referencing.																																																					
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MilitaryGovernment	PaperMill																																																				
PetroleumPlant	Pipeline																																																				
Refinery	Rig																																																				
UtilityPlant																																																					
Other																																																					

JobLocationInformation

A collection of elements giving details of a job location.

note	
level	QuoteRequestProperties QuoteRequestDetails

children	Name	Type	Use	Max
	JobLocationIdentifier A unique identifier referencing the job location.	string	O	U
	JobLocationClassCode A code indicating the class of the job location.	string	O	1
	FederalWaters Land InlandWaters StateWaters Other			
	JobLocationDescription A free-form textual description of the job location.	string	O	1
	JobLocationStatus A code indicating whether a location is active or inactive.	string	O	1
	Inactive Active Other			
	WellInformation A collection of elements detailing information about a well.		O	1
	JobSiteCategory A code indicating the kind of site on which the job is located.	string	O	1
	Boiler CivilHighways Compression Condenser ConstructPiles Dams HeatExchanger IndustrialServiceMiscellaneous Piping Production TowerVessel Turbine UndergroundStr Other			
	AddressInformation A collection of elements defining the details of an address.		O	1
	GeographicalInformation A collection of elements defining a geographical location.		O	1
parent(s)	QuoteRequestLineItem QuoteRequestProperties QuoteRequestSubLineItem			

LinItemIdentifier

The unique identifier for a product or service making up the line item.

note				
level	QuoteRequestDetails			
parent(s)	LinItemInformation			
attributes	Name	Type	Use	Fixed
	identifierIndicator	string	M	
	A code to indicate the origin of the identifier.			
	AssignedByBuyer			
	AssignedByManufacturer			
	AssignedBySeller			
	CatalogueNumber	UPCNumber		
	Other			

LinItemInformation

A collection of elements detailing identifying information about a line item.

note				
level	QuoteRequestDetails			
children	Name	Type	Use	Max
	LinItemIdentifier	string	O	U
	The unique identifier for a product or service making up the line item.			
	LinItemName	string	O	1
	The name of the product or service in the line item.			
	LinItemDescription	string	O	1
A free-form textual description of the line item.				
ManufacturerIdentifier	string	O	1	
A unique identifier for a manufacturer.				
parent(s)	QuoteRequestLinItem			
	QuoteRequestSubLinItem			

LinItemTotal

The net total monetary amount for the line item.

note				
level	QuoteRequestDetails			
children	Name	Type	Use	Max
	MonetaryAmount	decimal	M	1
	The currency value of a transaction or item.			
CurrencyCode	string	O	1	
A code indicating the currency in which the monetary amount is specified.				

	Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.
parent(s)	QuoteRequestLineItem QuoteRequestSubLineItem

Location

A collection of elements giving details about a location.

note				
level	QuoteRequestProperties QuoteRequestDetails			
children	Name	Type	Use	Max
	LocationIdentifier	string	0	1
	A unique identifier for a physical location.			
	LocationName	string	0	1
	The name of the location being referenced.			
	AddressInformation		0	1
A collection of elements defining the details of an address.				
GeographicalInformation		0	1	
A collection of elements defining a geographical location.				
LocationDescription	string	0	1	
Free-form textual description of the location.				
parent(s)	TransportInformation			
attributes	Name	Type	Use	Fixed
	locationIndicator	string	0	
	A code to identify what kind of location is being referenced. FreightEqualizationPoint			
	OnVessel-FOBPoint			
	AssignedBySeller			
	Origin-AfterLoadingOnEquipment			
	Origin-ShippingPoint			
	Plant			
	ShippingDestination			
	Warehouse			
	Other			

PartnerIdentifier

A unique identifier indicating a particular partner or organization.

note				
level	QuoteRequestProperties QuoteRequestDetails			
parent(s)	PartnerInformation			

attributes	Name	Type	Use	Fixed
	partnerIdentifierIndicator	string	M	
	A code to identify the origin of the Partner Identifier.			
	AssignedByBuyer			
	AssignedBySeller	DUNSNumber		
	DUNS+4Number	Other		

PartnerInformation

A collection of elements detailing partner information.

note				
level	QuoteRequestProperties QuoteRequestDetails			
children	Name PartnerIdentifier A unique identifier indicating a particular partner or organization. PartnerName The name of the organization being referenced in Partner Information. AddressInformation A collection of elements defining the details of an address. ContactInformation A collection of elements defining details of communication for a contact person. TaxInformation A collection of elements detailing tax information about a partner. URL A Uniform Resource Locator indicating an internet address.	Type string string string string string string	Use M O O O O	Max U 1 1 U 1 1
parent(s)	QuoteRequestLineItem QuoteRequestProperties QuoteRequestSubLineItem TransportInformation			

attributes	Name	Type	Use	Fixed
	partnerRoleIndicator	string	M	
	A code to indicate the role in this transaction of the partner being referenced.			
	BillAndShipTo			
	BillTo			
	Carrier			
	CommissionPayee			
	FinalRecipient			
	Manufacturer			
	Marketplace			
	MaterialIssuer			
	OnsiteContractingCompany			
	OperatingCompany			
	Payer			
	PrimaryContractor			
	RemitTo			
	Seller			
	ShipFromParty			
	ShipToParty			
	SoldTo			
	ThirdParty			
	Vendor			
	Warehouse			
	Other			

PostalCountry

The country code indicating the country to which mail should be delivered.

note				
level	QuoteRequestProperties QuoteRequestDetails			
children	Name	Type	Use	Max
	CountryCode	string	M	1
	A code indicating a country. Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.			
parent(s)	AddressInformation			

PrimaryCurrency

The currency code indicating the currency to be used for the transaction.

note				
level	QuoteRequestProperties			
children	Name	Type	Use	Max
	CurrencyCode	string	M	1
	A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.			
parent(s)	QuoteRequestProperties			

ReferenceInformation

A collection of elements detailing references to information that reside outside of the current transaction message.

note	It is recommended that ReferenceInformation be used at either the Property or Detail level, but not both.			
level	QuoteRequestProperties QuoteRequestDetails			
children	Name	Type	Use	Max
	ReferenceNumber A number or identifier that is used to reference documents or information not included within a particular message. The referenceInformationIndicator attribute qualifies what this number references Description A free-form textual explanation or clarification.	string	M	1
children		string	O	1
parent(s)	QuoteRequestLineItem QuoteRequestProperties QuoteRequestSubLineItem			

attributes	Name	Type	Use	Fixed
	referenceInformationIndicator	string	M	
	A code to identify what type of information is being referenced.			
	AFENumber	BatchNumber		
	BillOfLading	Certification		
	CertifiedInspectionTestResults			
	ConfigurationNumber			
	ContractNumber			
	CostAllocationReference	CostCenter		
	CustomerAccountingReference			
	CustomerReferenceNumber			
	DeliveryTicketNumber			
	DivisionIdentifier			
	EngineeringChangeOrderNumber	JobNumber		
	LetterOfCreditNumber			
	LocationNumber			
	MaterialSafetyDataSheet			
	OperatorGeneralLedgerCode			
	OriginalInvoiceNumber			
	PriceAreaNumber	ProjectNumber		
	ProposalNumber	QuoteNumber		
	RequestForQuotationNumber			
	TemplateName			
	Other			

RequestQuoteResponse

A collection of elements detailing when the quote is due and any instructions necessary.

note				
level	QuoteRequestProperties			
children	<p>Name</p> <p>OpenDate</p> <p>The earliest date a Quote may be submitted in response to a Quote Request. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.</p> <p>CloseDate</p> <p>The date by which a Quote must be submitted. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.</p> <p>ContactInformation</p> <p>A collection of elements defining details of communication for a contact person.</p> <p>ResponseInstructions</p> <p>Free-form text providing any additional instructions about how to respond to a Quote Request.</p>	<p>Type</p> <p>date</p> <p>date</p> <p>string</p>	<p>Use</p> <p>O</p> <p>O</p> <p>O</p>	<p>Max</p> <p>1</p> <p>1</p> <p>1</p>
parent(s)	QuoteRequestProperties			

ResultingOrderType

A code indicating what kind of order will be placed after a bid is awarded.

note				
level	QuoteRequestProperties			
children	<p>Name</p> <p>PurchaseOrderTypeCode</p> <p>A code indicating the kind of purchase order.</p> <p>Confirmation EmergencyOrder</p> <p>ReleaseOrDeliveryOrder RushOrder</p> <p>StandAloneOrder</p> <p>SupplyOrServiceOrder Other</p>	<p>Type</p> <p>string</p>	<p>Use</p> <p>M</p>	<p>Max</p> <p>1</p>
parent(s)	QuoteRequestProperties			

SecondCurrency

The currency code indicating a second currency, such as for European countries using the Euro and a local currency.

note	
level	QuoteRequestProperties

children	Name	Type	Use	Max
	<p>CurrencyCode</p> <p>A code indicating the currency in which the monetary amount is specified.</p> <p>Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.</p>	string	M	1
parent(s)	QuoteRequestProperties			

ServiceDateTime

The actual and/or schedule dates for a service.

note	<p>Format is CCYY-MM-DDThh:mm:ss where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day. The letter "T" is the date/time separator and "hh", "mm", "ss" represent hour, minute and second respectively.</p> <p>The CCYY field must have at least four digits, the MM, DD, SS, hh, mm and ss fields exactly two digits each. Leading zeroes must be used if the field would otherwise have too few digits.</p> <p>If no time is to be given then use zeroes in the hh, mm and ss fields.</p> <p>This representation may be immediately followed by a "Z" to indicate Coordinated Universal Time (UTC) or, to indicate the time zone, i.e. the difference between the local time and Coordinated Universal Time, immediately followed by a sign, + or -, followed by the difference from UTC represented as hh:mm (note: the minutes part is required). For example, to indicate 1:20 pm on May the 31st, 1999 for Eastern Standard Time which is 5 hours behind Coordinated Universal Time (UTC), one would write: 1999-05-31T13:20:00-05:00.</p>			
level	<p>QuoteRequestProperties QuoteRequestDetails</p>			
parent(s)	<p>QuoteRequestLineItem QuoteRequestProperties QuoteRequestSubLineItem</p>			
attributes	Name	Type	Use	Fixed
	dateTypeIndicator	string	M	
	A code to identify which date being given.			
	ArriveLocationDate	InvoiceDueDate		
	InvoicePeriodStartDate			
	LeaveLocationDate			
	PromisedForDelivery			
	PromisedForShipment			
	RequestedForDelivery			
	RequestedForShipment			
	ServicePeriodEnd			
	ServicePeriodStart	ShipDate		
	Other			

SpecialInstructions

A free-form textual description of special requirements.

note	
level	<p>QuoteRequestProperties QuoteRequestDetails</p>
parent(s)	<p>QuoteRequestLineItem QuoteRequestProperties QuoteRequestSubLineItem</p>

attributes	Name	Type	Use	Fixed
	instructionIndicator	string	0	
	A code to identify the type of instruction being given.			
	CarrierInstructions			
	ConsigneeInstructions			
	DriverInstructions			
	EmptyReturnInstructions			
	InspectionInstructions			

	RoutingInstructions	
	ShipperInstructions	ShortLeadTime
	Tolerances	Other

Tax

A collection of elements detailing information about tax applied to a transaction.

note	It is recommended that Tax be used at the Detail level to support tax exemptions. However, many systems cannot provide detail-level Tax information at this time, therefore, Tax is not mandatory at the detail level.
level	QuoteRequestDetails QuoteRequestSummary

children	Name	Type	Use	Max
	TaxTypeCode	string	M	1
	A code indicating the kind of tax being applied.			
	CitySalesTax			
	CountyParishSalesTax	CountyTax		
	FederalExciseTax			
	GoodsAndServicesTax			
	GrossReceiptsTax	LocalTax		
	MetropolitanTransitTax			
	StateAndLocalSalesTax			
	StateProvincialTax	StateSalesTax		
	ValueAddedTax	WellServiceTax		
	Other			
	MixedRateIndicator	string	O	1
	A mixed rate VAT tax indicator. This is used for European tax purposes.			
	TaxIdentifierNumber	string	O	1
	A unique number or code issued to an organization by a governmental or regulatory body identifying that entity for tax purposes.			
	TaxExemptCode	string	O	1
	A code identifying exemption status from sales and use tax.			
	DirectPay	Exempt		
	NonExempt	Other		
	<u>TaxLocation</u>		O	1
	The physical or deemed location at which tax is calculated based upon jurisdiction by a governmental or regulatory body.			
	TaxRate	decimal	O	1
	The percentage or monetary amount charged on a transaction.			
	<u>TaxBasisAmount</u>		O	1
	The monetary amount which is subject to tax.			
	<u>TaxAmount</u>		O	1
	The monetary amount of the tax.			
	TaxReference	string	O	1

	A free-intellectual explanation or clarification.
parent(s)	Q!MPBMI IPS!JQ""t 'M !!*tm""B"gl" !tttD""Ii"III

TaxAmount

The monetary amount of the tax.

note				
level	QuoteRequestDetails QuoteRequestSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal string	M O	1 1
parent(s)	Tax			

TaxBasisAmount

The monetary amount which is subject to tax.

note				
level	QuoteRequestDetails QuoteRequestSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal string	M O	1 1
parent(s)	Tax			

TaxInformation

A collection of elements detailing tax information about a partner.

note				
level	QuoteRequestProperties QuoteRequestDetails			

children	Name	Type	Use	Max
	TaxIdentifierNumber A unique number or code issued to an organization by a governmental or regulatory body identifying that entity for tax purposes.	string	0	1
	Jurisdiction The authority exercised by a nation, a judicial body, or a legislative body over persons, places, and property. Jurisdiction may apply to the territory over which a nation has control, including the land area, the adjacent sea, and the airspace above. It may also refer to the authority of an international body to make decisions binding on national entities.	string	0	1
	TaxCertificateType The category of tax certificate for which an identifying number is issued.	string	0	1
	TaxCertificateNumber The identifying number for a tax certificate such as tax exemption, sales and use tax certificate or other such document.	string	0	1
parent(s)	PartnerInformation			

TaxLocation

The physical or deemed location at which tax is calculated based upon jurisdiction by a governmental or regulatory body.

note				
level	QuoteRequestDetails QuoteRequestSummary			
children	Name	Type	Use	Max
	LocationIdentifier	string	O	1
	A unique identifier for a physical location.			
	LocationName	string	O	1
	The name of the location being referenced.			
children	LocationDescription	string	O	1
	Free-form textual description of the location.			
	AddressInformation		O	1
A collection of elements defining the details of an address.				
parent(s)	Tax			

Telephone

A collection of elements detailing information about a telephone number.

note				
level	QuoteRequestProperties QuoteRequestDetails			
children	Name	Type	Use	Max
	PhoneNumber	string	M	1
	A numerical sequence to reach a telephone attached to a communication network.			
	PhoneNumberExtension	string	O	1
	An extension number that is needed to further identify the phone number.			
children	TelecomCountryCode	string	O	1
	The dialing code from another country to access the telephone network in another country.			
	TelecomAreaCode	string	O	1
The area code within a country or jurisdiction, if needed, to access local telephones within the country.				
parent(s)	ContactInformation			
attributes	Name	Type	Use	Fixed
	telephoneIndicator	string	O	
	A code to indicate the type of phone number being given.			
	Fax	Mobile		
	Pager	Voice		
Other				

TransportInformation

A collection of elements detailing how product is transported.

note	If this element is used, then at least one of TransportMethodCode, Routing, or ServiceLevelCode is required.
level	QuoteRequestProperties QuoteRequestDetails

children	Name	Type	Use	Max
	ShipmentMethodOfPayment A code indicating payment terms for transportation charges.	string	M	1
	Collect Collect-			
	FreightCreditedBackToCustomer			
	CustomerPickupBackhaul Pickup			
	PrepaidBySeller Prepaid-			
	ChargedToCustomer ServiceFreight-			
	NoCharge ThirdPartyPay			
	Other			
	RoutingSequenceCode A code indicating the relationship of a carrier to a specific shipment movement.	string	O	1
	OriginCarrier-AirMotorOcean			
	OriginDeliveryCarrier-AnyMode			
	Other			
	TransportMethodCode A code indicating the mode of transportation used to move product.	string	O	1
	Air AirExpress			
	Barge BestWay-			
	ShippersOption Boat			
	CustomerPickup ExpeditedTruck			
	Motor-CommonCarrier Ocean			
	ParcelPost Rail			
	SupplierTruck Truck			
	Vessel Other			
	<u>PartnerInformation</u> A collection of elements detailing partner information.		O	U
	<u>Location</u> A collection of elements giving details about a location.		O	U
	ShipmentTermsCode A code indicating the terms under which a product is shipped, such as Freight Prepaid, FOB or similar.	string	O	1
	Routing A free-form description of the shipping route to be provided for transportation of product.	string	O	1
	ServiceLevelCode A code indicating the level of service required.	string	O	1
	<u>HazardousMaterials</u> A collection of elements conveying hazardous goods information related to a product.		O	1
	CarrierEquipmentCode A code indicating the kind of equipment parent(s) the carrier.	string	O	1

	TransportName The identifier of specific vessel, truck, railcar, etc.	string	0	1
parent(s)	QuoteRequestLineItem QuoteRequestProperties QuoteRequestSubLineItem			

WellIdentifier

A unique identifier referencing a well, such as an UWI number.

note				
level	QuoteRequestProperties QuoteRequestDetails			
parent(s)	WellInformation			
attributes	Name	Type	Use	Fixed
	wellIdentifierIndicator	string	0	
	A code to indicate the origin of the Well Identifier.			
	Nmber	CustomerNumber		
	UWINumber	Other		

WellInformation

A collection of elements detailing information about a well.

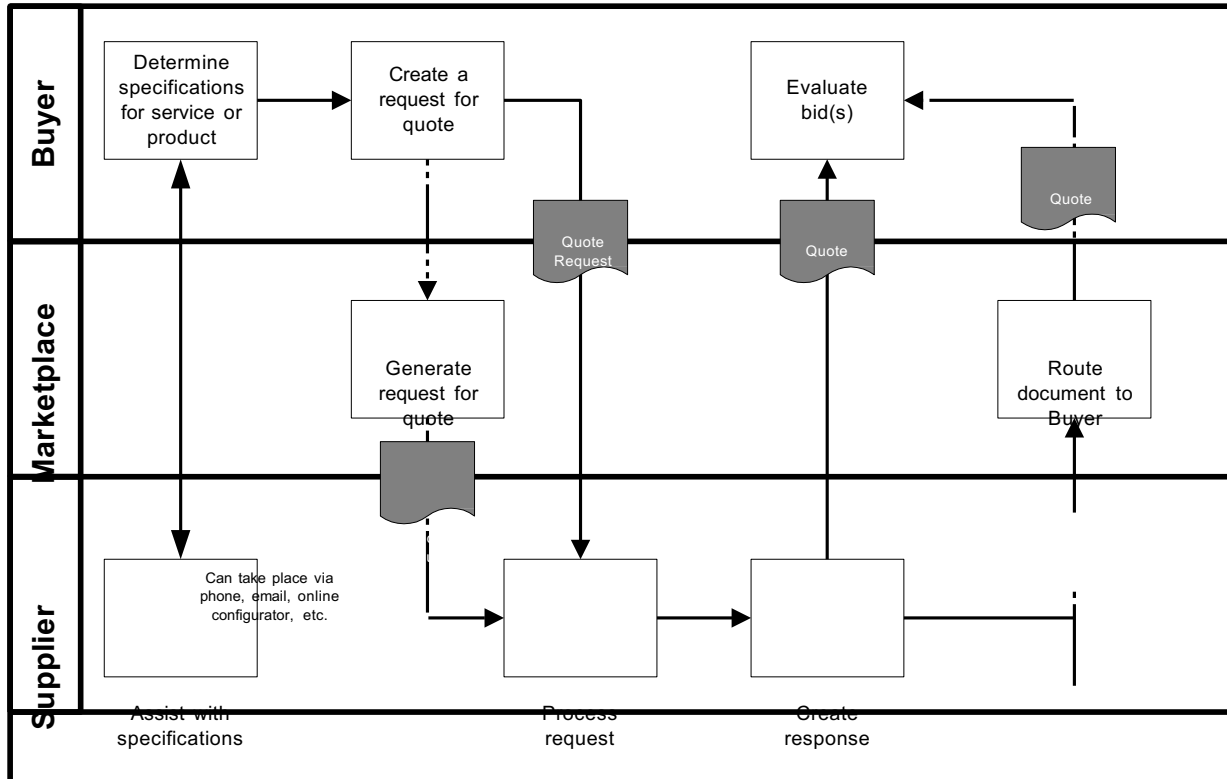
note	
level	QuoteRequestProperties QuoteRequestDetails

children	Name	Type	Use	Max
	WellIdentifier A unique identifier referencing a well, such as an UWI number.	string	M	U
	WellName The customer name of a well.	string	O	1
	WellType A code indicating the function of the well.	string	O	1
	Brine	DirectionalGas		
	DirectionalNonWell	DirectionalOil		
	DisposalWell	Environmental		
	Gas	HorizontalGas		
	HorizontalOil	IndustrialDisposal		
	IndustrialNonWell	Injection		
	NonWell	Oil		
	Relief	Storage		
	Sulfur	Thermal		
	Uranium	Water		
	Other			
	WellCategory A code indicating the category of a well.	string	O	1
	Abandoned	DevBelow3000		
	Development	ExistingWell		
	NonWell	ReacidizeWell		
	Recompletion	RefractedWell		
Wildcat	Workover			
Other				
parent(s)	JobLocationInformation			

7.0 Quote

7.1 Business Process Diagram

Below is the Business Process Diagram for the Quote transaction, using either a B2B or Marketplace model. Solid lines indicate transactions between a Buyer and Seller directly. Dashed lines illustrate the transactions between the Buyer and Seller via a Marketplace. These are not the only two methods in which the process can take place, however, they represent the two primary processes. Third parties other than a Marketplace may be involved if necessary.



B2B Model - A Buyer or buying organization determines the specifications for the service or complex product. This may entail receiving assistance from the Seller via a configurator, telephone call, email, etc. Then the request for quote is created and sent to the Seller. The Seller then generates a quote based upon the request and sends it to the Buyer for evaluation. If any dialogue between the Buyer and Seller about the request or quote is necessary, it will take

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place via email, phone, internet, etc.

Marketplace Model - A Buyer or buying organization determines the specifications for the service or complex product. This may entail receiving assistance from the Seller via a configurator, telephone call, email, etc. Then the request for quote is created and sent to the Seller through a Marketplace. The Seller then generates a quote based upon the request and sends it to the Marketplace. The Marketplace then routes the quote to the Buyer for evaluation. If any dialogue between the Buyer and Seller about the request or quote is necessary, it will take place via email, phone, internet, etc.

The Quote document is used in response to a Quote Request sent by a Buyer when a price quote from one or many suppliers is necessary prior to creating an order for a service or complex product.

7.2 Legend to Tables

The following tables detail the elements and attributes that make up the Quote. The legend below provides guidance to understanding the element tables. The legend is an example only and is not part of the document standard data.

Telephone ¹

A collection of elements detailing information about a telephone number. ²

³ note								
level	OrderCreateProperties OrderCreateDetails	⁴						
children	Name PhoneNumber A numerical sequence to reach a telephone attached to a communication network. PhoneNumberExtension An extension number that is needed to further identify the phone number. TelecomCountryCode The dialing code from another country to access the telephone network in another country. TelecomAreaCode The area code within a country or jurisdiction, if needed, to access local telephones within the country.	⁵	⁶	⁷	Type string string string string	Use M O O O	Max 1 1 1 1	
parent(s)	ContactInformation	⁹						
attributes	Name telephoneIndicator A code to indicate the type of phone number being given. Fax <input type="checkbox"/> Mobile Pager <input type="checkbox"/> Voice Other <input type="checkbox"/>	¹⁰	¹¹	¹⁴	¹²	Type string	Use O	Fixed

Legend

1	The name of the element.
2	The definition of the element.
3	Contains any business rules or comments about the element
4	Identifies whether or not the element is under the Property, Detail, or Summary level of the document
5	Contains the name of the child elements and their definitions. Those elements in blue are links to the element specification. Only those elements that contain children or attributes are hyperlinked.
6	Indicates the data type of the element.
7	Indicates whether the element is mandatory (M) or optional (O).
8	Indicates whether the element can have a maximum of one occurrence (1) or unbounded multiple occurrences (U)
9	Indicates the parent element of the element.
10	Contains the name of any attributes and their definitions.

11	Indicates the data type of the attribute. If the type is blank, then the element contains children rather than data.
12	Indicates whether the attribute is mandatory (M) or optional (O).
13	Provides a fixed value for the attribute.
14	The shaded areas provide either code list values, rules, or notes about the child element or attribute.

The document, its properties, details, line item, sub-line item, and summary elements are presented first. They are followed by an alphabetical listing of those elements used in the document and have children or attributes.

7.3 Document Detail

Quote

The root element of the Quote message. It is used to respond to an request for quote.

note		Type	Use	Max
children	Name			
	QuoteProperties		M	1
	A collection of elements defining the quote "meta-data" or "common data".			
	QuoteDetails		M	1
	A collection of elements defining the details of the Quote message.			
	QuoteSummary		M	1
	A collection of elements detailing the totals of the quote.			
attributes	Name	Type	Use	Fixed
	transactionPurposeIndicator	string	M	
	A code indicating the purpose of the transaction.			
	Add			
	Cancellation	Change		
	Confirmation	Delete		
	Duplicate	Original		
	Replace	Request		
	Other			
	version	decimal	M	1.0
	A fixed number indicating the version of the PIDX XML Standard on which the transaction is based.			

QuoteProperties

A collection of elements defining the quote "meta-data" or "common data".

note	
------	--



children	Name	Type	Use	Max
	QuoteNumber A unique identifier for a Quote message.	string	M	1
	QuoteDate The date upon which a quote was created or deemed to have been issued. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	M	1
	<u>QuoteRequestInformation</u> A collection of elements containing relevant quote request information which needs to be referenced within other documentation and/or messages.		M	1
	<u>PartnerInformation</u> A collection of elements detailing partner information.		M	U
	<u>ValidityDates</u> The date range between which the Quote is valid.		O	1
	QuoteTypeCode A code indicating the kind of quote being sent, such as a bid.	string	O	1
	AlternateBid			
	BidWithoutException			
	DeclineToQuote	Other		
	RevisionNumber A number indicating the version of the document. It is used if a message is resent in its entirety to replace an earlier version.	string	O	1
	<u>PrimaryCurrency</u> The currency code indicating the currency to be used for the transaction.		O	1
	<u>SecondCurrency</u> The currency code indicating a second currency, such as for European countries using the Euro and a local currency.		O	1
	<u>RateOfExchangeDetail</u> A collection of elements containing the detail of the exchange rate between two currencies.		O	1
	LanguageCode A code indicating the language used for the transaction. Use the codelist from ISO 639-2:1998 Codes for the representation of names of languages – Part 2: Alpha-3 Code.	string	O	1
	<u>JobLocationInformation</u> A collection of elements giving details of a job location.		O	1
	<u>ServiceDateTime</u> The actual and/or schedule dates for a service.	datetime	O	U
	<u>CountryOfOrigin</u> The country where product originates or is deemed to have originated.		O	1
	<u>CountryOfFinalDestination</u> The country where product is ultimately delivered or is deemed to have been delivered.		O	1
	<u>TransportInformation</u> A collection of elements detailing how product is transported.		O	1
	<u>PaymentTerms</u> A collection of elements detailing payment terms information.		O	1
	<u>SpecialInstructions</u> A free-form textual description of special requirements.	string	O	U
	<u>ReferenceInformation</u> A collection of elements detailing references to information that reside outside of the current transaction message.		O	U
	<u>Attachment</u>			

	A collection of elements defining the details of an attachment to the document. Comment A free-form textual structure for general information or comments.	string	0	1
parent(s)	Quote			

QuoteDetails

A collection of elements defining the details of the Quote message.

note				
children	Name QuoteLineItem	Type	Use M	Max U
	A collection of elements defining the details of the line items making up the quote.			
parent(s)	Quote			

QuoteLineItem

A collection of elements defining the details of the line items making up the quote.

note	
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children	Name	Type	Use	Max
	LineItemNumber	string	M	1
	A sequential individual line identifier within a document containing service or item information.			
	LineItemInformation		M	1
	A collection of elements detailing identifying information about a line item.			
	QuotedQuantity		M	1
	The number of units of an item or service quoted.			
	Pricing		M	1
	A collection of elements detailing price information.			
	QuoteRequestLineItemNumber	string	O	1
	A sequential individual line identifier within a Quote Request document containing product or item information.			
	CommodityCode		O	U
	A code indicating the categorization of a product or service in accordance with a particular standard.			
	PartnerInformation		O	U
	A collection of elements detailing partner information.			
	JobLocationInformation		O	1
	A collection of elements giving details of a job location.			
	AllowanceOrCharge		O	U
	A collection of elements defining the details of an allowance or charge to the customer.			
	Tax		O	U
	A collection of elements detailing information about tax applied to a transaction.			
	ShippingAmount		O	1
	The monetary amount of shipping or freight charges.			
	LineItemTotal		O	1
	A code indicating the response to the line item, such as accepted, rejected, etc.			
	ServiceDateTime	datetime	O	U
	The actual and/or schedule dates for a service.			
	CountryOfOrigin		O	1
	The country where product originates or is deemed to have originated.			
	CountryOfFinalDestination		O	1
	The country where product is ultimately delivered or is deemed to have been delivered.			
	TransportInformation		O	1
	A collection of elements detailing how product is transported.			
	PaymentTerms		O	1
	A collection of elements detailing payment terms information.			
	SpecialInstructions	string	O	U
	A free-form textual description of special requirements.			
	PackagingCharacteristicCode	string	O	U
	A code indicating the marking, packaging, loading and related characteristics being described.			
	PackageSpecifications			
	ProductMarking			

	<p>SkidPalletType</p> <p>Other</p> <p>PackagingCharacteristicDescription string O U</p> <p>Free-form text providing any additional information associated with the Packaging Characteristic Code.</p> <p>ReferenceInformation O U</p> <p>A collection of elements detailing references to information that reside outside of the current transaction message.</p> <p>Attachment O U</p> <p>A collection of elements defining the details of an attachment to the document.</p> <p>Comment string O 1</p> <p>A free-form textual structure for general information or comments.</p> <p>QuoteSubLineItem O U</p> <p>A collection of elements defining the details of the sub line items of a quote. It is used if a line item needs to be broken down into further detail.</p>
parent(s)	QuoteDetails

QuoteSubLineItem

A collection of elements defining the details of the sub line items of a quote. It is used if a line item needs to be broken down into further detail.

note	
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children	Name	Type	Use	Max
	SubLineItemNumber	string	M	1
	The sub-line item number relating to the primary line item referenced in the message.			
	LineItemInformation		M	1
	A collection of elements detailing identifying information about a line item.			
	QuotedQuantity		M	1
	The number of units of an item or service quoted.			
	Pricing		M	1
	A collection of elements detailing price information.			
	QuoteRequestLineItemNumber	string	O	1
	A sequential individual line identifier within a Quote Request document containing product or item information.			
	CommodityCode		O	U
	A code indicating the categorization of a product or service in accordance with a particular standard.			
	PartnerInformation		O	U
	A collection of elements detailing partner information.			
	JobLocationInformation		O	1
	A collection of elements giving details of a job location.			
	AllowanceOrCharge		O	U
	A collection of elements defining the details of an allowance or charge to the customer.			
	Tax		O	U
	A collection of elements detailing information about tax applied to a transaction.			
	ShippingAmount		O	1
	The monetary amount of shipping or freight charges.			
	LineItemTotal		O	1
	A code indicating the response to the line item, such as accepted, rejected, etc.			
	ServiceDateTime	datetime	O	U
	The actual and/or schedule dates for a service.			
	CountryOfOrigin		O	1
	The country where product originates or is deemed to have originated.			
	CountryOfFinalDestination		O	1
	The country where product is ultimately delivered or is deemed to have been delivered.			
	TransportInformation		O	1
	A collection of elements detailing how product is transported.			
	PaymentTerms		O	1
	A collection of elements detailing payment terms information.			
	SpecialInstructions	string	O	U
	A free-form textual description of special requirements.			
	PackagingCharacteristicCode	string	O	U
	A code indicating the marking, packaging, loading and related characteristics being described.			
	PackageSpecifications			

	<p>ProductMarking SkidPalletType</p> <p>TypeOfPackage Other</p> <p>PackagingCharacteristicDescription string O U</p> <p>Free-form text providing any additional information associated with the Packaging Characteristic Code.</p> <p>ReferenceInformation O U</p> <p>A collection of elements detailing references to information that reside outside of the current transaction message.</p> <p>Attachment O U</p> <p>A collection of elements defining the details of an attachment to the document.</p> <p>Comment string O 1</p> <p>A free-form textual structure for general information or comments.</p>
parent(s)	QuoteLineItem

QuoteSummary

A collection of elements detailing the totals of the quote.

note		Type	Use	Max
children	<p>Name</p> <p>TotalLineItems integer M 1</p> <p>The total number of line items contained in a message.</p> <p>QuoteTotal M 1</p> <p>The total monetary amount of the quote.</p> <p>AllowanceOrCharge O U</p> <p>A collection of elements defining the details of an allowance or charge to the customer.</p> <p>ShippingAmount O 1</p> <p>A free-form textual description of special requirements.</p> <p>Tax O U</p> <p>A collection of elements detailing information about tax applied to a transaction.</p> <p>SubTotalAmount O U</p> <p>The monetary amount of the subtotal. It is qualified by the subTotalIndicator attribute which identifies what the subtotal is referencing.</p> <p>TermsDiscountAmount O 1</p> <p>The total monetary amount of the payment terms discount.</p> <p>DiscountedAmountDue O 1</p> <p>The monetary amount due if paid by terms discount due date (total invoice or installment amount less cash discount.)</p>			
parent(s)	Quote			

AddressInformation

A collection of elements defining the details of an address.

note				
level	QuoteProperties QuoteDetails			
children	<p>Name</p> <p>POBoxNumber The identity of a physical box within a postal facility to accept and receive mail.</p> <p>BuildingHouseNumber The alphanumeric identifier of a building as a part of an address.</p> <p>StreetName The name of a street as part of an address.</p> <p>AddressLine An occurrence of a generally accepted formatted line of data such that when combined with the entire address structure there is sufficient information for delivery or location purposes.</p> <p>CityName The name of the city or municipality.</p> <p>StateProvince The name of the municipality or town as a location for mailing, siting and other geographic functions.</p> <p>PostalCode The code assigned by local postal authorities to delivery addresses.</p> <p>PostalCountry The country code indicating the country to which mail should be delivered.</p> <p>CountyName The name of the county.</p> <p>LocationIdentifier A unique identifier for a physical location.</p>	<p>Type</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p>	<p>Use</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p>	<p>Max</p> <p>1</p> <p>1</p> <p>1</p> <p>U</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
parent(s)	JobLocationInformation Location PartnerInformation TaxLocation			

AllowanceOrCharge

A collection of elements defining the details of an allowance or charge to the customer.

note	If AllowanceOrCharge is used, then at least one of AllowanceOrChargeRate, AllowanceOrChargeTotalAmount, or AllowanceOrChargePercent is required.
level	QuoteDetails QuoteSummary

children	Name	Type	Use	Max
	AllowanceOrChargeTotalAmount The total monetary amount for the allowance or charge.		0	1
	AllowanceOrChargeRate The rate per unit of the allowance or charge.		0	1
	AllowanceOrChargePercent The allowance or charge expressed as a percentage.	decimal	0	1
	AllowanceOrChargeNumber The identifier assigned by a vendor referencing an allowance, promotion, deal or charge.	string	0	1
	AllowanceOrChargeTypeCode A code identifying the kind of allowance or charge being described.	string	0	1
	Freight			
	FuelSurcharge			
	SpecialHandlingService			
	Discount			
	FlatRate			
	EngineeringCharge			
	InvoiceAdjustment			
	InsuranceSurcharge			
	OneTimeLicenseFee			
	Royalties			
	MiscellaneousCharge			
	PostageCharge			
	TrailerRentalCharge			
	TransportationDirectBilling			
	TransportationVendorProvided			
	Other			
	MethodOfHandlingCode A code which describes how a particular allowance or charge should be handled.	string	0	1
	OffInvoice			
	ChargeToBePaidByCustomer			
	Other			
	AllowanceOrChargeDescription A free form description used to clarify the related allowance and charge data elements and their content.	string	0	1
	AllowanceOrChargeQuantity The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.		0	1
parent(s)	QuoteLineItem QuoteSubLineItem QuoteSummary			

attributes	Name	Type	Use	Fixed
	allowanceOrChargeIndicator	string	M	
	A code to indicate whether the information relates to an allowance or charge.			
	Allowance			
	Charge			
	Other			

AllowanceOrChargePercent

The allowance or charge expressed as a percentage.

note				
level	QuoteDetails QuoteSummary			
parent(s)	AllowanceOrCharge			
attributes	Name	Type	Use	Fixed
	percentIndicator	string	O	
	A code indicating on what basis the allowance or charge percent is calculated.			

AllowanceOrChargeQuantity

The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.

note				
level	QuoteDetails QuoteSummary			
children	Name	Type	Use	Max
	Quantity	decimal	M	1
	A numeric count of measure.			
	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed.			
	Use values from the DE 355 code list contained in ASC X12 release 3030.			
parent(s)	AllowanceOrCharge			

AllowanceOrChargeRate

The rate per unit of the allowance or charge.

note	
level	QuoteDetails QuoteSummary

	Name	Type	Use	Max
children	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.	string	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
parent(s)	AllowanceOrCharge			

AllowanceOrChargeTotalAmount

The total monetary amount for the allowance or charge.

note				
level	QuoteDetails QuoteSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal string	M O	1 1
parent(s)	AllowanceOrCharge			

AlternativeCommunicationMethod

Additional methods of communication, such as an IP Address or Printer ID, in addition to those specifically listed elsewhere in contact or address information.

note				
level	QuoteProperties QuoteDetails			
parent(s)	ContactInformation			
attributes	Name	Type	Use	Fixed
	alternativeCommunicationMethodIndicator A code to indicate the type of alternative communication method. AUTOVON EDIAccessNumber FederalTelecommunicationsSystem IPAddress PacketSwitching PrinterID StationCode Telemail Telex TWX Other	string	M	

Attachment

A collection of elements defining the details of an attachment to the document.

note	
level	QuoteProperties QuoteDetails

children	Name	Type	Use	Max
	AttachmentPurposeCode A code to indicate the purpose of the attachment.	string	0	1
	Template			
	Other			
	FileName The name of the file in an attachment.	string	0	1
	AttachmentTitle	string	0	1

	<p>The title of the attachment.</p> <p>AttachmentDescription string 0 1</p> <p>A free-form textual description of the attachment.</p> <p>FileType string 0 1</p> <p>The type of the file in an attachment.</p> <p>AttachmentLocation string 0 1</p> <p>The location of the attachment, such as a URL.</p>
parent(s)	<p>QuoteLineItem</p> <p>QuoteProperties</p> <p>QuoteSubLineItem</p>

Block

A collection of elements defining the details of a block, which identifies a location.

note					
level	QuoteProperties QuoteDetails				
children	Name	Type	Use	Max	
	BlockName	string	0	1	
	The name of the block, which identifies a location.				
	OCSGNumber	string	0	1	
	The Outer Continental Shelf Gulf number.				
	StateLease	string	0	1	
	Lease on state land.				
parent(s)	GeographicalInformation				

CommodityCode

A code indicating the categorization of a product or service in accordance with a particular standard.

note					
level	QuoteDetails				
parent(s)	QuoteLineItem QuoteSubLineItem				
attributes	Name	Type	Use	Fixed	
	agencyIndicator	string	0		
	A code indicating what agency or organization is responsible for defining the commodity code list.				

ContactIdentifier

The identifier of the contact person or department.

note					
level	QuoteProperties QuoteDetails				
parent(s)	ContactInformation				
attributes	Name	Type	Use	Fixed	
	contactIdentifierIndicator	string	0		
	A code to identify the origin of the contact identifier.				
	AssignedByBuyer				
	AssignedBySeller	EmployeeID			
Other					

ContactInformation

A collection of elements defining details of communication for a contact person.

note	It is recommended that ContactInformation be used at either the Property or Detail level, but not both.			
level	QuoteProperties QuoteDetails			
children	<p>Name</p> <p>ContactIdentifier</p> <p>The identifier of the contact person or department.</p> <p>ContactName</p> <p>The name of the contact person within the organization.</p> <p>ContactDescription</p> <p>A free-form textual description of the contact.</p> <p>Telephone</p> <p>A collection of elements detailing information about a telephone number.</p> <p>EmailAddress</p> <p>The address assigned to a person or organization to receive electronic messages.</p> <p>AlternativeCommunicationMethod</p> <p>Additional methods of communication, such as an IP Address or Printer ID, in addition to those specifically listed elsewhere in contact or address information.</p>	Type	Use	Max
		string	O	1
		string	O	1
		string	O	1
			O	U
		string	O	1
		string	O	U
parent(s)	PartnerInformation			
attributes	<p>Name</p> <p>contactInformationIndicator</p> <p>A code indicating the function of the contact.</p> <p>BuyerDepartment DeliveryContact</p> <p>DesignEngineer Engineer</p> <p>EnteredBy</p> <p>FieldRepresentative</p> <p>OfficeRepresentative</p> <p>OrderContact PurchasingAgent</p> <p>QuotePreparer QuoteRequestor</p> <p>RFQContact</p> <p>SalesRepresentative</p> <p>ServiceCoordinator</p> <p>TechnicalMarketingRepresentative</p> <p>Other</p> <p></p> <p></p> <p></p> <p></p>	Type	Use	Fixed
		string	M	

CountryOfFinalDestination

The country where product is ultimately delivered or is deemed to have been delivered.

note				
level	QuoteProperties QuoteDetails			
children	Name CountryCode A code indicating a country.	Type string	Use M	Max 1

	Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.
parent(s)	QuoteLineItem QuoteProperties QuoteSubLineItem

CountryOfOrigin

The country where product originates or is deemed to have originated.

note									
level	QuoteProperties QuoteDetails								
children	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>CountryCode</td> <td>string</td> <td>M</td> <td>1</td> </tr> </tbody> </table> <p>A code indicating a country.</p> <p>Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.</p>	Name	Type	Use	Max	CountryCode	string	M	1
Name	Type	Use	Max						
CountryCode	string	M	1						
parent(s)	QuoteLineItem QuoteProperties QuoteSubLineItem								

Deferred

The terms for a deferred payment in relation to a transaction.

note																					
level	QuoteProperties QuoteDetails																				
children	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>DeferredAmount</td> <td></td> <td>O</td> <td>1</td> </tr> <tr> <td>DeferredDueDate</td> <td>date</td> <td>O</td> <td>1</td> </tr> <tr> <td>PercentDeferredPayable</td> <td>decimal</td> <td>O</td> <td>1</td> </tr> <tr> <td>Description</td> <td>string</td> <td>O</td> <td>1</td> </tr> </tbody> </table> <p>The monetary amount that is deferred for payment based upon terms in an invoice, contract or agreement.</p> <p>The date upon which a deferred payment is due.</p> <p>Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.</p> <p>The amount due that is deferred for payment expressed as a percentage.</p> <p>A free-form textual explanation or clarification.</p>	Name	Type	Use	Max	DeferredAmount		O	1	DeferredDueDate	date	O	1	PercentDeferredPayable	decimal	O	1	Description	string	O	1
Name	Type	Use	Max																		
DeferredAmount		O	1																		
DeferredDueDate	date	O	1																		
PercentDeferredPayable	decimal	O	1																		
Description	string	O	1																		
parent(s)	PaymentTerms																				

DeferredAmount

The monetary amount that is deferred for payment based upon terms in an invoice, contract or agreement.

note	
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level	QuoteProperties QuoteDetails			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified.	string	O	1

	Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds. 1
parent(s)	Deferred

DiscountAmount

The monetary amount of a discount based upon payment terms.

note					
level	QuoteProperties QuoteDetails				
children	Name	Type	Use	Max	
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal string	M O	1 1	
parent(s)	Discounts				

DiscountedAmountDue

The monetary amount due if paid by terms discount due date (total invoice or installment amount less cash discount.)

note					
level	QuoteSummary				
children	Name	Type	Use	Max	
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal string	M O	1 1	
parent(s)	QuoteSummary				

Discounts

The monetary amount allowed or applied as a credit against a transaction or balance.

note					
level	QuoteProperties QuoteDetails				



	Name	Type	Use	Max
children	DaysDue The number of days from the payment terms basis date before a discount expires.	integer	0	1
	DiscountsDueDate The date upon which a discount expires. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	0	1
	PercentDiscount A discount to be applied to the transaction expressed as a percentage.	decimal	0	1
	<u>DiscountAmount</u> The monetary amount of a discount based upon payment terms.		0	1
	Description A free-form textual explanation or clarification.	string	0	1
parent(s)	<u>PaymentTerms</u>			

EffectiveDates

The period of time (or range) where the information is valid or guaranteed.

note					
level	QuoteProperties QuoteDetails				
children	Name	Type	Use	Max	
	FromDate The date upon which a time period begins. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	M	1	
children	ToDate The date upon which a time period ends. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	M	1	
	parent(s)	TaxInformation			

GeographicalInformation

A collection of elements defining a geographical location.

note	If any one of Section, Township, or Range is given then the other two are required.				
level	QuoteProperties QuoteDetails				
children	Name	Type	Use	Max	
	FieldName The name of the oil field.	string	O	1	
children	Section A part of Section/Township/Range location identifier scheme.	string	O	1	
	Township A part of Section/Township/Range location identifier scheme.	string	O	1	
children	Range A part of Section/Township/Range location identifier scheme.	string	O	1	
	Region The name of a geographic region.	string	O	1	
children	Block A collection of elements defining the details of a block, which identifies a location.		O	1	
	GPSCoordinates A collection of elements containing latitude and longitude data for a specific location.		O	1	
parent(s)	JobLocationInformation Location				

GPSCoordinates

A collection of elements containing latitude and longitude data for a specific location.

note				
level	QuoteProperties QuoteDetails			
children	Name Latitude The specified latitude of a location.	Type string	Use M	Max 1

	Longitude The specified longitude of a location.	string	M	1
parent(s)	GeographicalInformation			

HazardousMaterialClassCode

A code indicating the kind of hazard for a material.

note				
level	QuoteProperties QuoteDetails			
parent(s)	HazardousMaterials			
attributes	Name hazardousMaterialIndicator A code which qualifies the Hazardous Material Class Code.	Type string	Use M	Fixed

HazardousMaterials

A collection of elements conveying hazardous goods information related to a product.

note	If HazardousMaterials is used, then at least one of SpecialHandlingCode or HazardousMaterialDescription is required.			
level	QuoteProperties QuoteDetails			
children	Name SpecialHandlingCode A code identifying any special transportation handling instructions HazardousMaterialDescription A free-form textual explanation of information related to a hazardous shipment. HazardousMaterialClassCode A code indicating the kind of hazard for a material.	Type string string string	Use O O O	Max 1 1 U
parent(s)	TransportInformation			

JobLocationIdentifier

A unique identifier referencing the job location.

note				
level	QuoteProperties QuoteDetails			
parent(s)	JobLocationInformation			

attributes	Name	Type	Use	Fixed
	jobLocationIdentifierIndicator	string	0	
	A code to define what type of location the identifier is referencing.			
	ChemicalPlant	Coal-		
	Degas	CogenerationPlant		
	Construction	Dock		
	GasPlant			
	IndustrialServiceMiscellaneous			
	MilitaryGovernment	PaperMill		
	PetroleumPlant			

	Refinery:
	Rig
	Utilitant
	Other

JobLocationInformation

A collection of elements giving details of a job location.

note	
level	QuoteProperties QuoteDetails

children	Name	Type	Use	Max
	JobLocationIdentifier A unique identifier referencing the job location.	string	0	U
	JobLocationClassCode A code indicating the class of the job location.	string	0	1
	FederalWaters Land InlandWaters StateWaters Other			
	JobLocationDescription A free-form textual description of the job location.	string	0	1
	JobLocationStatus A code indicating whether a location is active or inactive.	string	0	1
	Inactive Active Other			
	WellInformation A collection of elements detailing information about a well.		0	1
	JobSiteCategory A code indicating the kind of site on which the job is located.	string	0	1
	Boiler CivilHighways Compression Condenser ConstructPiles Dams HeatExchanger IndustrialServiceMiscellaneous Piping Production TowerVessel Turbine UndergroundStr Other			
	AddressInformation A collection of elements defining the details of an address.		0	1
	GeographicalInformation A collection of elements defining a geographical location.		0	1
parent(s)	QuoteLineItem QuoteProperties QuoteSubLineItem			

LinItemIdentifier

The unique identifier for a product or service making up the line item.

note				
level	QuoteDetails			
parent(s)	LinItemInformation			
attributes	Name	Type	Use	Fixed
	identifierIndicator	string	M	
	A code to indicate the origin of the identifier.			
	AssignedByBuyer			
	AssignedByManufacturer			
	AssignedBySeller			
	CatalogueNumber	UPCNumber		
	Other			

LinItemInformation

A collection of elements detailing identifying information about a line item.

note				
level	QuoteDetails			
children	Name	Type	Use	Max
	LinItemIdentifier	string	O	U
	The unique identifier for a product or service making up the line item.			
	LinItemName	string	O	1
	The name of the product or service in the line item.			
children	LinItemDescription	string	O	1
	A free-form textual description of the line item.			
	ManufacturerIdentifier	string	O	1
A unique identifier for a manufacturer.				
parent(s)	QuoteLinItem QuoteSubLinItem			

LinItemTotal

The net total monetary amount for the line item.

note				
level	QuoteDetails			
children	Name	Type	Use	Max
	MonetaryAmount	decimal	M	1
	The currency value of a transaction or item.			
children	CurrencyCode	string	O	1
	A code indicating the currency in which the monetary amount is specified.			

	Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.
parent(s)	QuoteLineItem QuoteSubLineItem

Location

A collection of elements giving details about a location.

note					
level	QuoteProperties QuoteDetails				
children	Name	Type	Use	Max	
	LocationIdentifier	string	O	1	
	A unique identifier for a physical location.				
	LocationName	string	O	1	
	The name of the location being referenced.				
	AddressInformation		O	1	
A collection of elements defining the details of an address.					
GeographicalInformation		O	1		
A collection of elements defining a geographical location.					
LocationDescription	string	O	1		
Free-form textual description of the location.					
parent(s)	TransportInformation				
attributes	Name	Type	Use	Fixed	
	locationIndicator	string	O		
	A code to identify what kind of location is being referenced. FreightEqualizationPoint				
	OnVessel-FOBPoint				
	AssignedBySeller				
	Origin-AfterLoadingOnEquipment				
	Origin-ShippingPoint				
	Plant				
	ShippingDestination				
	Warehouse				
	Other				

MeasurementRange

A collection of elements providing a minimum and maximum measurement to create a range.

note					
level	QuoteDetails				
children	Name	Type	Use	Max	
	MinimumMeasurement	decimal	M	1	
	The smallest measurement in a given range.				
MaximumMeasurement	decimal	M	1		
The largest measurement in a given range.					
parent(s)	PriceBasis				

PartnerIdentifier

A unique identifier indicating a particular partner or organization.

note				
level	QuoteProperties QuoteDetails			
parent(s)	PartnerInformation			
attributes	Name partnerIdentifierIndicator A code to identify the origin of the Partner Identifier. AssignedByBuyer AssignedBySeller DUNSNumber DUNS+4Number Other	Type	Use	Fixed
		string	M	

PartnerInformation

A collection of elements detailing partner information.

note				
level	QuoteProperties QuoteDetails			
children	Name PartnerIdentifier A unique identifier indicating a particular partner or organization. PartnerName The name of the organization being referenced in Partner Information. AddressInformation A collection of elements defining the details of an address. ContactInformation A collection of elements defining details of communication for a contact person. TaxInformation A collection of elements detailing tax information about a partner. URL A Uniform Resource Locator indicating an internet address.	Type string string string string string string	Use M O O O O	Max U 1 1 U 1 1
parent(s)	QuoteLineItem QuoteProperties QuoteSubLineItem TransportInformation			

attributes	Name	Type	Use	Fixed
	partnerRoleIndicator	string	M	
	A code to indicate the role in this transaction of the partner being referenced.			
	BillAndShipTo			
	BillTo			
	Carrier			
	CommissionPayee			
	FinalRecipient			
	Manufacturer			
	Marketplace			
	MaterialIssuer			
	OnsiteContractingCompany			
	OperatingCompany			
	Payer			
	PrimaryContractor			
	RemitTo			
	Seller			
	ShipFromParty			
	ShipToParty			
	SoldTo			
	ThirdParty			
	Vendor			
	Warehouse			
	Other			

PaymentTerms

A collection of elements detailing payment terms information.

note	<p>If either one of PercentDiscount or DiscountAmount is used, then at least one of DiscountsDueDate or DaysDue is required.</p> <p>If DeferredDueDate is used, then at least one of DeferredAmountDue or PercentOfInvoicePayable is required.</p>			
level	<p>QuoteProperties</p> <p>QuoteDetails</p>			
children	<p>Name</p> <p>PaymentTermsOfSale</p> <p>The terms on which payment is calculated for the transaction.</p> <p>Description</p> <p>A free-form textual explanation or clarification.</p> <p>PaymentTermsBasisDateCode</p> <p>A code identifying the beginning of the terms period.</p> <p>DeliveryDate InvoiceDate</p> <p>InvoiceReceiptDate Other</p> <p>PaymentTermsBasisDate</p> <p>The date from which payment terms or discounts are calculated or based.</p> <p>Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.</p> <p>TermsNetDays</p> <p>The number of days until the total invoice amount is due (discount not applicable).</p> <p>PercentOfInvoicePayable</p> <p>The amount of an invoice payable expressed as a percentage.</p> <p>Discounts</p> <p>The monetary amount allowed or applied as a credit against a transaction or balance.</p> <p>Deferred</p> <p>The terms for a deferred payment in relation to a transaction.</p> <p>Penalty</p> <p>A percentage used to calculate the penalty on any balance unpaid by the due date.</p>	Type	Use	Max
		string	0	1
		string	0	1
		string	0	1
		date	0	1
		integer	0	1
		decimal	0	1
			0	1
			0	1
		string	0	1
parent(s)	<p>QuoteLineItem</p> <p>QuoteProperties</p> <p>QuoteSubLineItem</p>			

PostalCountry

The country code indicating the country to which mail should be delivered.

note	
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level	QuoteProperties QuoteDetails			
children	Name CountryCode A code indicating a country. Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.	Type	Use	Max
		string	M	1
parent(s)	AddressInformation			

PriceBasis

A structure allowing for a price to be based on more than just a single unit of measure.

note				
level	QuoteDetails			
children	Name	Type	Use	Max
	Measurement A numeric value for technical or attribute data.	decimal	O	1
	MeasurementRange A collection of elements providing a minimum and maximum measurement to create a range.		O	1
	UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.	string	M	1
	BasisDescription Free-form textual description of the basis.	string	O	1
parent(s)	Pricing			

Pricing

A collection of elements detailing price information.

note				
level	QuoteDetails			
children	Name	Type	Use	Max
	UnitPrice The unit price of the product or service being sold.		M	1
	PriceBasis A structure allowing for a price to be based on more than just a single unit of measure.		O	U
parent(s)	QuoteLineItem QuoteSubLineItem			

PrimaryCurrency

The currency code indicating the currency to be used for the transaction.

note				
level	QuoteProperties			
children	Name	Type	Use	Max
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	M	1
parent(s)	QuoteProperties			

QuotedQuantity

The number of units of an item or service quoted.

note				
level	QuoteDetails			
children	Name	Type	Use	Max
	Quantity A numeric count of measure.	decimal	M	1
	UnitOfMeasureCode A code identifying the units in which measurement is expressed.	string	M	1

	Use values from the DE 355 code list contained in ASC X12 release 3030.
parent(s)	QuoteLineItem QuoteSubLineItem

QuoteRequestInformation

A collection of elements containing relevant quote request information which needs to be referenced within other documentation and/or messages.

note				
level	QuoteProperties			
children	<p>Name</p> <p>QuoteRequestNumber A unique identifier for a Quote Request message.</p> <p>QuoteRequestDate The date upon which a request was created or deemed to have been issued. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.</p> <p>RevisionNumber A number indicating the version of the document. It is used if a message is resent in its entirety to replace an earlier version</p>	<p>Type</p> <p>string</p> <p>string</p> <p>string</p>	<p>Use</p> <p>M</p> <p>M</p> <p>O</p>	<p>Max</p> <p>1</p> <p>1</p> <p>1</p>
parent(s)	QuoteProperties			

QuoteTotal

The total monetary amount of the quote.

note				
level	QuoteSummary			
children	<p>Name</p> <p>MonetaryAmount The currency value of a transaction or item.</p> <p>CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.</p>	<p>Type</p> <p>decimal</p> <p>string</p>	<p>Use</p> <p>M</p> <p>O</p>	<p>Max</p> <p>1</p> <p>1</p>
parent(s)	QuoteSummary			

RateOfExchangeDetail

A collection of elements containing the detail of the exchange rate between two currencies.

note	
level	QuoteProperties

children	Name	Type	Use	Max
	<u>ReferenceCurrency</u> The currency from which a monetary value is to be converted using a rate of exchange.		M	1
	<u>TargetCurrency</u> The currency to which the monetary value is to be converted using a rate of exchange.		M	1
	ExchangeRate An equation which converts monetary amounts into different denominations.	string	M	1
	DateOfRateOfExchange The date upon which the exchange rate was quoted. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM"	date	O	1

the month and "DD" the day.

par<IM(s)

[QuoteProperties](#)

ReferenceCurrency

The currency from which a monetary value is to be converted using a rate of exchange.

note				
level	QuoteProperties			
children	<p>Name</p> <p>CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.</p>	Type string	Use M	Max 1
parent(s)	RateOfExchangeDetail			

ReferenceInformation

A collection of elements detailing references to information that reside outside of the current transaction message.

note	It is recommended that ReferenceInformation be used at either the Property or Detail level, but not both.			
level	QuoteProperties QuoteDetails			
children	<p>Name</p> <p>ReferenceNumber A number or identifier that is used to reference documents or information not included within a particular message. The referenceInformationIndicator attribute qualifies what this number references</p> <p>Description A free-form textual explanation or clarification.</p>	Type string	Use M	Max 1
parent(s)	QuoteLineItem QuoteProperties QuoteSubLineItem			

attributes	Name	Type	Use	Fixed
	referenceInformationIndicator A code to identify what type of information is being referenced.	string	M	
	AFENumber	BatchNumber		
	BillOfLading	Certification		
	CertifiedInspectionTestResults			
	ConfigurationNumber			
	ContractNumber			
	CostAllocationReference	CostCenter		
	CustomerAccountingReference			
	CustomerReferenceNumber			
	DeliveryTicketNumber			
	DivisionIdentifier			
	EngineeringChangeOrderNumber	JobNumber		
	LetterOfCreditNumber			
	LocationNumber			
	MaterialSafetyDataSheet			
	OperatorGeneralLedgerCode			
	OriginalInvoiceNumber			
	PriceAreaNumber	ProjectNumber		
	ProposalNumber			

	QuoteNumber
	RequestForQuotationNumber
	TemplateName Other

SecondCurrency

The currency code indicating a second currency, such as for European countries using the Euro and a local currency.

note									
level	QuoteProperties								
children	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Name</th> <th style="width: 10%;">Type</th> <th style="width: 10%;">Use</th> <th style="width: 10%;">Max</th> </tr> </thead> <tbody> <tr> <td>CurrencyCode</td> <td>string</td> <td>M</td> <td>1</td> </tr> </tbody> </table> <p>A code indicating the currency in which the monetary amount is specified.</p> <p>Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.</p>	Name	Type	Use	Max	CurrencyCode	string	M	1
Name	Type	Use	Max						
CurrencyCode	string	M	1						
parent(s)	QuoteProperties								

ServiceDateTime

The actual and/or schedule dates for a service.

note	<p>Format is CCYY-MM-DDThh:mm:ss where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day. The letter "T" is the date/time separator and "hh", "mm", "ss" represent hour, minute and second respectively.</p> <p>The CCYY field must have at least four digits, the MM, DD, SS, hh, mm and ss fields exactly two digits each. Leading zeroes must be used if the field would otherwise have too few digits.</p> <p>If no time is to be given then use zeroes in the hh, mm and ss fields.</p> <p>This representation may be immediately followed by a "Z" to indicate Coordinated Universal Time (UTC) or, to indicate the time zone, i.e. the difference between the local time and Coordinated Universal Time, immediately followed by a sign, + or -, followed by the difference from UTC represented as hh:mm (note: the minutes part is required). For example, to indicate 1:20 pm on May the 31st, 1999 for Eastern Standard Time which is 5 hours behind Coordinated Universal Time (UTC), one would write: 1999-05-31T13:20:00-05:00.</p>
level	QuoteProperties QuoteDetails
parent(s)	QuoteLineItem QuoteProperties QuoteSubLineItem

attributes	Name	Type	Use	Fixed
	dateTypeIndicator	string	M	
	A code to identify which date being given.			
	ArriveLocationDate	InvoiceDueDate		
	InvoicePeriodStartDate			
	LeaveLocationDate			
	PromisedForDelivery			
	PromisedForShipment			
	RequestedForDelivery			
	RequestedForShipment			
	ServicePeriodEnd			
	ServicePeriodStart	ShipDate		
	Other			

ShippingAmount

The monetary amount of shipping or freight charges.

note				
level	QuoteDetails QuoteSummary			
children	Name MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	Type decimal string	Use M O	Max 1 1
parent(s)	QuoteLineItem QuoteSubLineItem QuoteSummary			

SpecialInstructions

A free-form textual description of special requirements.

note				
level	QuoteProperties QuoteDetails			
parent(s)	QuoteLineItem QuoteProperties QuoteSubLineItem			
attributes	Name instructionIndicator A code to identify the type of instruction being given. CarrierInstructions ConsigneeInstructions DriverInstructions EmptyReturnInstructions InspectionInstructions RoutingInstructions ShipperInstructions Tolerances	Type string ShortLeadTime Other	Use O	Fixed

SubTotalAmount

The monetary amount of the subtotal. It is qualified by the subTotalIndicator attribute which identifies what the subtotal is referencing.

note				
level	QuoteSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
parent(s)	QuoteSummary			
attributes	Name	Type	Use	Fixed
	subTotalIndicator A code to indicate the type of subtotal being given. Equipment Labor Materials Other	string	M	

TargetCurrency

The currency to which the monetary value is to be converted using a rate of exchange.

note				
level	QuoteProperties			
children	Name	Type	Use	Max
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	M	1
parent(s)	RateOfExchangeDetail			

Tax

A collection of elements detailing information about tax applied to a transaction.

note	It is recommended that Tax be used at the Detail level to support tax exemptions. However, many systems cannot provide detail-level Tax information at this time, therefore, Tax is not mandatory at the detail level.
level	QuoteDetails QuoteSummary

children	Name	Type	Use	Max
	TaxTypeCode	string	M	1
	A code indicating the kind of tax being applied.			
	CitySalesTax			
	CountyParishSalesTax	CountyTax		
	FederalExciseTax			
	GoodsAndServicesTax			
	GrossReceiptsTax	LocalTax		
	MetropolitanTransitTax			
	StateAndLocalSalesTax			
	StateProvincialTax	StateSalesTax		
	ValueAddedTax	WellServiceTax		
	Other			
	MixedRateIndicator	string	O	1
	A mixed rate VAT tax indicator. This is used for European tax purposes.			
	TaxIdentifierNumber	string	O	1
	A unique number or code issued to an organization by a governmental or regulatory body identifying that entity for tax purposes.			
	TaxExemptCode	string	O	1
	A code identifying exemption status from sales and use tax.			
	DirectPay	Exempt		
	NonExempt	Other		
	<u>TaxLocation</u>		O	1
	The physical or deemed location at which tax is calculated based upon jurisdiction by a governmental or regulatory body.			
	TaxRate	decimal	O	1
	The percentage or monetary amount charged on a transaction.			
	<u>TaxBasisAmount</u>		O	1
	The monetary amount which is subject to tax.			
	<u>TaxAmount</u>		O	1
	The monetary amount of the tax.			
	TaxReference	string	O	1
	A free-form textual explanation or clarification.			
parent(s)	<u>QuoteLineItem</u> <u>QuoteSubLineItem</u> <u>QuoteSummary</u>			

TaxAmount

The monetary amount of the tax.

note				
level	QuoteDetails QuoteSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal	M	1
		string	O	1
parent(s)	Tax			

TaxBasisAmount

The monetary amount which is subject to tax.

note				
level	QuoteDetails QuoteSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal	M	1
		string	O	1
parent(s)	Tax			

TaxInformation

A collection of elements detailing tax information about a partner.

note				
level	QuoteProperties QuoteDetails			
children	Name	Type	Use	Max
	TaxIdentifierNumber	string	0	1
	A unique number or code issued to an organization by a governmental or regulatory body identifying that entity for tax purposes.			
	Jurisdiction	string	0	1
	The authority exercised by a nation, a judicial body, or a legislative body over persons, places, and property. Jurisdiction may apply to the territory over which a nation has control, including the land area, the adjacent sea, and the airspace above. It may also refer to the authority of an international body to make decisions binding on national entities.			
children	TaxCertificateType	string	0	1
	The category of tax certificate for which an identifying number is issued.			
	TaxCertificateNumber	string	0	1
The identifying number for a tax certificate such as tax exemption, sales and use tax certificate or other such document.				
parent(s)	PartnerInformation			

TaxLocation

The physical or deemed location at which tax is calculated based upon jurisdiction by a governmental or regulatory body.

note				
level	QuoteDetails QuoteSummary			
children	Name	Type	Use	Max
	LocationIdentifier	string	0	1
	A unique identifier for a physical location.			
	LocationName	string	0	1
	The name of the location being referenced.			
children	LocationDescription	string	0	1
	Free-form textual description of the location.			
children	AddressInformation		0	1
	A collection of elements defining the details of an address.			
parent(s)	Tax			

Telephone

A collection of elements detailing information about a telephone number.

note											
level	QuoteProperties QuoteDetails										
children	Name PhoneNumber A numerical sequence to reach a telephone attached to a communication network. PhoneNumberExtension An extension number that is needed to further identify the phone number. TelecomCountryCode The dialing code from another country to access the telephone network in another country. TelecomAreaCode The area code within a country or jurisdiction, if needed, to access local telephones within the country.	Type string string string string	Use M O O O	Max 1 1 1 1							
parent(s)	ContactInformation										
attributes	Name telephoneIndicator A code to indicate the type of phone number being given. <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Fax</td> <td style="width: 40%;">Mobile</td> </tr> <tr> <td>Pager</td> <td>Voice</td> </tr> <tr> <td>Other</td> <td></td> </tr> </table>	Fax	Mobile	Pager	Voice	Other		Type string	Use O	Fixed 	
Fax	Mobile										
Pager	Voice										
Other											

TermsDiscountAmount

The total monetary amount of the payment terms discount.

note					
level	QuoteSummary				
children	Name MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	Type decimal string	Use M O	Max 1 1	
parent(s)	QuoteSummary				

TransportInformation

A collection of elements detailing how product is transported.

note	If TransportInformation is used, then at least one of TransportMethodCode, Routing, or ServiceLevelCode is required.
level	QuoteProperties QuoteDetails

children	Name	Type	Use	Max
	ShipmentMethodOfPayment A code indicating payment terms for transportation charges.	string	M	1
	Collect Collect-			
	FreightCreditedBackToCustomer			
	CustomerPickupBackhaul Pickup			
	PrepaidBySeller Prepaid-			
	ChargedToCustomer ServiceFreight-			
	NoCharge ThirdPartyPay			
	Other			
	RoutingSequenceCode A code indicating the relationship of a carrier to a specific shipment movement.	string	O	1
	OriginCarrier-AirMotorOcean			
	OriginDeliveryCarrier-AnyMode			
	Other			
	TransportMethodCode A code indicating the mode of transportation used to move product.	string	O	1
	Air AirExpress			
	Barge BestWay-			
	ShippersOption Boat			
	CustomerPickup ExpeditedTruck			
	Motor-CommonCarrier Ocean			
	ParcelPost Rail			
	SupplierTruck Truck			
	Vessel Other			
	PartnerInformation A collection of elements detailing partner information.		O	U
	Location A collection of elements giving details about a location.		O	U
	ShipmentTermsCode A code indicating the terms under which a product is shipped, such as Freight Prepaid, FOB or similar.	string	O	1
	Routing A free-form description of the shipping route to be provided for transportation of product.	string	O	1
	ServiceLevelCode A code indicating the level of service required.	string	O	1
	HazardousMaterials A collection of elements conveying hazardous goods information related to a product.		O	1
	CarrierEquipmentCode	string	O	1

	A code indicating the kind of equipment parent(s) the carrier. TransportName The identifier of specific vessel, truck, railcar, etc.	string	O	1
parent(s)	QuoteLineItem QuoteProperties QuoteSubLineItem			

UnitPrice

A collection of elements detailing how product is transported.

note				
level	QuoteDetails			
children	Name MonetaryAmount The currency value of a transaction or item. UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	Type decimal string string	Use M M O	Max 1 1 1
parent(s)	Pricing			

ValidityDates

The date range between which the Quote is valid.

note				
level	QuoteProperties			
children	Name FromDate The date upon which a time period begins. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day. ToDate The date upon which a time period ends. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	Type date date	Use M M	Max 1 1
parent(s)	QuoteProperties			

WellIdentifier

A unique identifier referencing a well, such as an UWI number.

note	
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level	QuoteProperties QuoteDetails			
parent(s)	WellInformation			
attributes	Name	Type	Use	Fixed
	wellIdentifierIndicator	string	0	
	A code to indicate the origin of the Well Identifier.			
	Number			

CustomerNumber

UWtJrrber

Other

WellInformation

A collection of elements detailing information about a well.

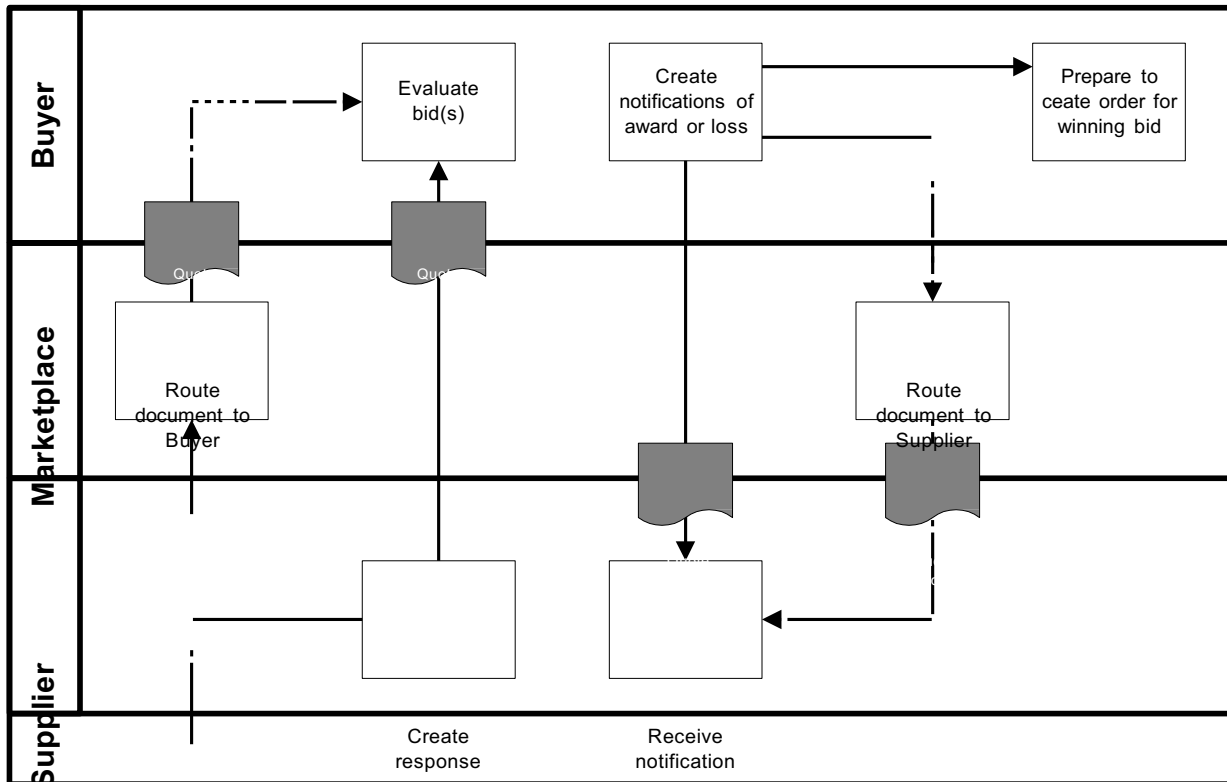
note	
level	QuoteProperties QuoteDetails

children	Name	Type	Use	Max
	WellIdentifier A unique identifier referencing a well, such as an UWI number.	string	M	U
	WellName The customer name of a well.	string	O	1
	WellType A code indicating the function of the well.	string	O	1
	Brine	DirectionalGas		
	DirectionalNonWell	DirectionalOil		
	DisposalWell	Environmental		
	Gas	HorizontalGas		
	HorizontalOil	IndustrialDisposal		
	IndustrialNonWell	Injection		
	NonWell	Oil		
	Relief	Storage		
	Sulfur	Thermal		
	Uranium	Water		
	Other			
	WellCategory A code indicating the category of a well.	string	O	1
	Abandoned	DevBelow3000		
	Development	ExistingWell		
	NonWell	ReacidizeWell		
	Recompletion	RefractedWell		
	Wildcat	Workover		
	Other			
	parent(s)	JobLocationInformation		

8.0 Quote Notification

8.1 Business Process Diagram

Below is the Business Process Diagram for the Quote Notification transaction, using either a B2B or Marketplace model. Solid lines indicate transactions between a Buyer and Seller directly. Dashed lines illustrate the transactions between the Buyer and Seller via a Marketplace. These are not the only two methods in which the process can take place, however, they represent the two primary processes. Third parties other than a Marketplace may be involved if necessary.



Buyer to Supplier Direct ———

Buyer to Supplier through a Marketplace ———

B2B Model - A Buyer creates a bidding situation by sending out requests for quote to many Sellers. The Sellers respond with quotes to the Buyer. The Buyer evaluates the bids and sends of

notification of award or loss to the Sellers. The winning bid eventually will become and order.

Marketplace Model - A Buyer creates a bidding situation by sending out requests for quote to many Sellers. The Sellers respond with quotes to the Buyer, going through a Marketplace. The Buyer evaluates the bids and sends of notification of award or loss to the Sellers through a Marketplace. The winning bid eventually will become and order.

The Quote Notification document is used in a bidding situation between many Sellers. It is used to provide the Seller of notification of award or loss of the bid.

8.2 Legend to Tables

The following tables detail the elements and attributes that make up the Quote Notification. The legend below provides guidance to understanding the element tables. The legend is an example only and is not part of the document standard data.

Telephone ¹

A collection of elements detailing information about a telephone number. ²

³ note						
level	OrderCreateProperties OrderCreateDetails	⁴				
children	<p>Name ⁵</p> <p>PhoneNumber ⁶</p> <p>A numerical sequence to reach a telephone attached to a communication network.</p> <p>PhoneNumberExtension</p> <p>An extension number that is needed to further identify the phone number.</p> <p>TelecomCountryCode</p> <p>The dialing code from another country to access the telephone network in another country.</p> <p>TelecomAreaCode</p> <p>The area code within a country or jurisdiction, if needed, to access local telephones within the country.</p>		⁷	Type ⁸	Use	Max
				string	M	1
				string	O	1
				string	O	1
				string	O	1
parent(s)	ContactInformation	⁹				
attributes	<p>Name ¹⁰</p> <p>telephoneIndicator ¹¹ ¹⁴ ¹²</p> <p>A code to indicate the type of phone number being given.</p> <p>Fax <input type="checkbox"/> Mobile</p> <p>Pager <input type="checkbox"/> Voice</p> <p>Other <input type="checkbox"/></p>			Type ¹³	Use	Fixed
				string	O	

Legend

1	The name of the element.
2	The definition of the element.
3	Contains any business rules or comments about the element
4	Identifies whether or not the element is under the Property, Detail, or Summary level of the document
5	Contains the name of the child elements and their definitions. Those elements in blue are links to the element specification. Only those elements that contain children or attributes are hyperlinked.
6	Indicates the data type of the element.
7	Indicates whether the element is mandatory (M) or optional (O).
8	Indicates whether the element can have a maximum of one occurrence (1) or unbounded multiple occurrences (U)
9	Indicates the parent element of the element.
10	Contains the name of any attributes and their definitions.

11	Indicates the data type of the attribute. If the type is blank, then the element contains children rather than data.
12	Indicates whether the attribute is mandatory (M) or optional (O).
13	Provides a fixed value for the attribute.
14	The shaded areas provide either code list values, rules, or notes about the child element or attribute.

The document, its properties, details, line item, sub-line item, and summary elements are presented first. They are followed by an alphabetical listing of those elements used in the document and have children or attributes.

8.3 Document Detail

QuoteNotification

The root element of the Quote Nonfiction message. It is used to notify a supplier of the award status of its bid.

note				
children	Name QuoteNotificationProperties A collection of elements defining the notification data.	Type	Use M	Max 1
attributes	Name version A fixed number indicating the version of the PIDX XML Standard on which the transaction is based.	Type decimal	Use M	Fixed 1.0

QuoteNotificationProperties

A collection of elements defining the notification data.

note				
children	Name QuoteNotificationDate The date upon which a notification was created or deemed to have been issued. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	Type date	Use M	Max 1
	QuoteNumber A unique identifier for a Quote message.	string	M	1
	QuoteDate The date upon which a notification was created or deemed to have been issued. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	M	1
	PartnerInformation A collection of elements detailing partner information.		M	U
	NotificationCode A code used to notify the bidders in an RFQ as to whether they won or lost the bid. AwardedBid NotAwardedBid OrderToFollow Other	string	M	1
	Comment A free-form textual structure for general information or comments.	string	O	1
parent(s)	QuoteNotification			

AddressInformation

A collection of elements defining the details of an address.

note				
level	QuoteNotificationProperties			
children	<p>Name</p> <p>POBoxNumber The identity of a physical box within a postal facility to accept and receive mail.</p> <p>BuildingHouseNumber The alphanumeric identifier of a building as a part of an address.</p> <p>StreetName The name of a street as part of an address.</p> <p>AddressLine An occurrence of a generally accepted formatted line of data such that when combined with the entire address structure there is sufficient information for delivery or location purposes.</p> <p>CityName The name of the city or municipality.</p> <p>StateProvince The name of the municipality or town as a location for mailing, siting and other geographic functions.</p> <p>PostalCode The code assigned by local postal authorities to delivery addresses.</p> <p>PostalCountry The country code indicating the country to which mail should be delivered.</p> <p>CountyName The name of the county.</p> <p>LocationIdentifier A unique identifier for a physical location.</p>	Type	Use	Max
		string	O	1
		string	O	1
		string	O	1
		string	O	U
		string	O	1
		string	O	1
		string	O	1
			O	1
		string	O	1
parent(s)	PartnerInformation			

AlternativeCommunicationMethod

Additional methods of communication, such as an IP Address or Printer ID, in addition to those specifically listed elsewhere in contact or address information.

note	
level	QuoteNotificationProperties
parent(s)	ContactInformation

attributes	Name	Type	Use	Fixed
	alternativeCommunicationMethodIndicator	string	M	
	A code to indicate the type of alternative communication method.			
	AUTOVON			
	EDIAccessNumber			
	FederalTelecommunicationsSystem	IPAddress		
	PacketSwitching	PrinterID		
	StationCode	Telemail		
	Telex	TWX		

	Other
--	-------

ContactIdentifier

The identifier of the contact person or department.

note				
level	QuoteNotificationProperties			
parent(s)	ContactInformation			
attributes	Name	Type	Use	Fixed
	contactIdentifierIndicator	string	0	
	A code to identify the origin of the contact identifier.			
	AssignedByBuyer			
	AssignedBySeller	EmployeeID		
	Other			

ContactInformation

A collection of elements defining details of communication for a contact person.

note	It is recommended that ContactInformation be used at either the Property or Detail level, but not both.			
level	QuoteNotificationProperties			
children	Name	Type	Use	Max
	ContactIdentifier	string	0	1
	The identifier of the contact person or department.			
	ContactName	string	0	1
	The name of the contact person within the organization.			
	ContactDescription	string	0	1
	A free-form textual description of the contact.			
	Telephone		0	U
A collection of elements detailing information about a telephone number.				
EmailAddress	string	0	1	
The address assigned to a person or organization to receive electronic messages.				
AlternativeCommunicationMethod	string	0	U	
Additional methods of communication, such as an IP Address or Printer ID, in addition to those specifically listed elsewhere in contact or address information.				
parent(s)	PartnerInformation			

attributes	Name	Type	Use	Fixed
	contactInformationIndicator	string	M	
	A code indicating the function of the contact.			
	BuyerDepartment	DeliveryContact		
	DesignEngineer	Engineer		
	EnteredBy			
	FieldRepresentative			
	OfficeRepresentative			
	OrderContact	PurchasingAgent		
	QuotePreparer	QuoteRequestor		
	RFQContact			

	SalesRepresentative
	ServiceCoordinator
	TechnicalMarketingRepresentative
	Other

PartnerIdentifier

A unique identifier indicating a particular partner or organization.

note				
level	QuoteNotificationProperties			
parent(s)	PartnerInformation			
attributes	Name	Type	Use	Fixed
	partnerIdentifierIndicator	string	M	
	A code to identify the origin of the Partner Identifier.			
	AssignedByBuyer			
	AssignedBySeller	DUNSNumber		
	DUNS+4Number	Other		

PartnerInformation

A collection of elements detailing partner information.

note				
level	QuoteNotificationProperties			
children	Name	Type	Use	Max
	PartnerIdentifier	string	M	U
	A unique identifier indicating a particular partner or organization.			
	PartnerName	string	O	1
	The name of the organization being referenced in Partner Information.			
	AddressInformation	string	O	1
	A collection of elements defining the details of an address.			
children	ContactInformation	string	O	U
	A collection of elements defining details of communication for a contact person.			
	TaxInformation	string	O	1
	A collection of elements detailing tax information about a partner.			
children	URL	string	O	1
	A Uniform Resource Locator indicating an internet address.			
parent(s)	QuoteNotificationProperties			

attributes	Name	Type	Use	Fixed
	partnerRoleIndicator	string	M	
	A code to indicate the role in this transaction of the partner being referenced.			
	BillAndShipTo			
	BillTo			
	Carrier			
	CommissionPayee			
	FinalRecipient			
	Manufacturer			
	Marketplace			
	MaterialIssuer			
	OnsiteContractingCompany			
	OperatingCompany			
	Payer			
	PrimaryContractor			
	RemitTo			
	Seller			
	ShipFromParty			
	ShipToParty			
	SoldTo			
	ThirdParty			
	Vendor			
	Warehouse			
	Other			

PostalCountry

The country code indicating the country to which mail should be delivered.

note				
level	QuoteNotificationProperties			
children	Name	Type	Use	Max

	<p>CountryCode string M 1</p> <p>A code indicating a country.</p> <p>Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.</p>
parent(s)	AddressInformation

TaxInformation

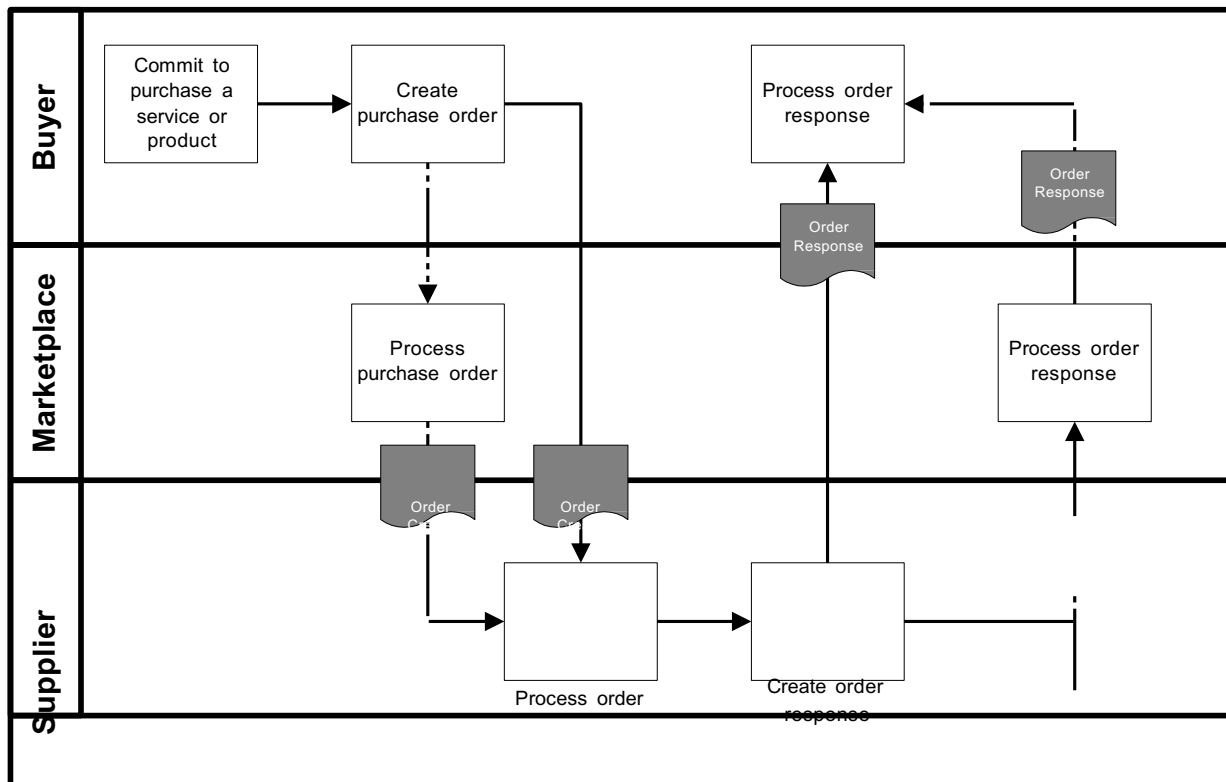
A collection of elements detailing tax information about a partner.

note																																					
level	QuoteNotificationProperties																																				
children	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>TaxIdentifierNumber</td> <td>string</td> <td>O</td> <td>1</td> </tr> <tr> <td>A unique number or code issued to an organization by a governmental or regulatory body identifying that entity for tax purposes.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Jurisdiction</td> <td>string</td> <td>O</td> <td>1</td> </tr> <tr> <td>The authority exercised by a nation, a judicial body, or a legislative body over persons, places, and property. Jurisdiction may apply to the territory over which a nation has control, including the land area, the adjacent sea, and the airspace above. It may also refer to the authority of an international body to make decisions binding on national entities.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>TaxCertificateType</td> <td>string</td> <td>O</td> <td>1</td> </tr> <tr> <td>The category of tax certificate for which an identifying number is issued.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>TaxCertificateNumber</td> <td>string</td> <td>O</td> <td>1</td> </tr> <tr> <td>The identifying number for a tax certificate such as tax exemption, sales and use tax certificate or other such document.</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Max	TaxIdentifierNumber	string	O	1	A unique number or code issued to an organization by a governmental or regulatory body identifying that entity for tax purposes.				Jurisdiction	string	O	1	The authority exercised by a nation, a judicial body, or a legislative body over persons, places, and property. Jurisdiction may apply to the territory over which a nation has control, including the land area, the adjacent sea, and the airspace above. It may also refer to the authority of an international body to make decisions binding on national entities.				TaxCertificateType	string	O	1	The category of tax certificate for which an identifying number is issued.				TaxCertificateNumber	string	O	1	The identifying number for a tax certificate such as tax exemption, sales and use tax certificate or other such document.			
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parent(s)	PartnerInformation																																				

9.0 Order Create

9.1 Business Process Diagram

Below is the Business Process Diagram for the Order Create transaction, using either a B2B or Marketplace model. Solid lines indicate transactions between a Buyer and Seller directly. Dashed lines illustrate the transactions between the Buyer and Seller via a Marketplace. These are not the only two methods in which the process can take place, however, they represent the two primary processes. Third parties other than a Marketplace may be involved if necessary.



B2B Model - A Buyer or buying organization makes a commitment to purchase a service or complex product. A purchase order is created and sent to the Seller. The Seller processes the order and sends a response to the Buyer either accepting or denying the terms of the order.

Marketplace Model - A Buyer or buying organization makes a commitment to purchase a service or

complex product. A purchase order is created on a Marketplace and sent to the Seller. The Seller processes the order and sends a response to the Buyer through the Marketplace either accepting or denying the terms of the order.

The Order Create document is used when a Buyer has made a commitment to purchase a service or complex product. The order may be the result of the acceptance of a Request Requisition Return, the acceptance of a quote, or as a completely new request.

9.2 Legend to Tables

The following tables detail the elements and attributes that make up the Order Create. The legend below provides guidance to understanding the element tables. The legend is an example only and is not part of the document standard data.

Telephone ¹

A collection of elements detailing information about a telephone number. ²

³ note																					
level	OrderCreateProperties OrderCreateDetails ⁴																				
children	<table border="1"> <thead> <tr> <th>Name ⁵</th> <th>Type ⁶</th> <th>Use ⁷</th> <th>Max ⁸</th> </tr> </thead> <tbody> <tr> <td>PhoneNumber A numerical sequence to reach a telephone attached to a communication network.</td> <td>string</td> <td>M</td> <td>1</td> </tr> <tr> <td>PhoneNumberExtension An extension number that is needed to further identify the phone number.</td> <td>string</td> <td>O</td> <td>1</td> </tr> <tr> <td>TelecomCountryCode The dialing code from another country to access the telephone network in another country.</td> <td>string</td> <td>O</td> <td>1</td> </tr> <tr> <td>TelecomAreaCode The area code within a country or jurisdiction, if needed, to access local telephones within the country.</td> <td>string</td> <td>O</td> <td>1</td> </tr> </tbody> </table>	Name ⁵	Type ⁶	Use ⁷	Max ⁸	PhoneNumber A numerical sequence to reach a telephone attached to a communication network.	string	M	1	PhoneNumberExtension An extension number that is needed to further identify the phone number.	string	O	1	TelecomCountryCode The dialing code from another country to access the telephone network in another country.	string	O	1	TelecomAreaCode The area code within a country or jurisdiction, if needed, to access local telephones within the country.	string	O	1
Name ⁵	Type ⁶	Use ⁷	Max ⁸																		
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parent(s)	ContactInformation ⁹																				
attributes	<table border="1"> <thead> <tr> <th>Name ¹⁰</th> <th>Type ¹¹</th> <th>Use ¹²</th> <th>Fixed ¹³</th> </tr> </thead> <tbody> <tr> <td>telephoneIndicator A code to indicate the type of phone number being given.</td> <td>string</td> <td>O</td> <td></td> </tr> <tr> <td>Fax</td> <td>Mobile</td> <td></td> <td></td> </tr> <tr> <td>Pager</td> <td>Voice</td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name ¹⁰	Type ¹¹	Use ¹²	Fixed ¹³	telephoneIndicator A code to indicate the type of phone number being given.	string	O		Fax	Mobile			Pager	Voice			Other			
Name ¹⁰	Type ¹¹	Use ¹²	Fixed ¹³																		
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Fax	Mobile																				
Pager	Voice																				
Other																					

Legend

1	The name of the element.
2	The definition of the element.
3	Contains any business rules or comments about the element
4	Identifies whether or not the element is under the Property, Detail, or Summary level of the document
5	Contains the name of the child elements and their definitions. Those elements in blue are links to the element specification. Only those elements that contain children or attributes are hyperlinked.
6	Indicates the data type of the element.
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9	Indicates the parent element of the element.
10	Contains the name of any attributes and their definitions.

11	Indicates the data type of the attribute. If the type is blank, then the element contains children rather than data.
12	Indicates whether the attribute is mandatory (M) or optional (O).
13	Provides a fixed value for the attribute.
14	The shaded areas provide either code list values, rules, or notes about the child element or attribute.

The document, its properties, details, line item, sub-line item, and summary elements are presented first. They are followed by an alphabetical listing of those elements used in the document and have children or attributes.

9.3 Document Detail

OrderCreate

The root element of the Order Create message. It is used to place an order for products and/or services.

note		Type	Use	Max
children	Name			
	OrderCreateProperties		M	1
	A collection of elements defining the order "meta-data" or "common data".			
	OrderCreateDetails		M	1
A collection of elements defining the details of the Order Create message.				
OrderCreateSummary		M	1	
A collection of elements detailing the totals of the order.				
attributes	Name	Type	Use	Fixed
	transactionPurposeIndicator	string	M	
	A code indicating the purpose of the transaction.			
	Add			
	Cancellation	Change		
	Confirmation	Delete		
	Duplicate	Original		
	Replace	Request		
	Other			
	version	decimal	M	1.0
A fixed number indicating the version of the PIDX XML Standard on which the transaction is based.				

OrderCreateProperties

A collection of elements defining the order "meta-data" or "common data".

note	
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children	Name	Type	Use	Max
	PurchaseOrderNumber A unique identifier for an Order Create message.	string	M	1
	PurchaseOrderIssuedDate The date upon which an order was created or deemed to have been issued. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	M	1
	PartnerInformation A collection of elements detailing partner information. At a minimum, a BillTo and ShipTo, or a BillAndShipTo is required.		M	1
	PurchaseOrderTypeCode A code indicating the kind of purchase order. Confirmation EmergencyOrder ReleaseOrDeliveryOrder RushOrder StandAloneOrder SupplyOrServiceOrder Other	string	M	1
	RevisionNumber A number indicating the version of the document. It is used if a message is resent in its entirety to replace an earlier version.	string	O	1
	ReleaseNumber A number identifying a release against a purchase order previously placed by the parties involved in the transaction. It is the equivalent to a work order number.	string	O	1
	SpecialInvoicePreference A code indicating any special invoice requirements. InvoiceNotRequired Other	string	O	1
	PrimaryCurrency The currency code indicating the currency to be used for the transaction.		O	1
	SecondCurrency The currency code indicating a second currency, such as for European countries using the Euro and a local currency.		O	1
	LanguageCode A code indicating the language used for the transaction. Use the codelist from ISO 639-2:1998 Codes for the representation of names of languages – Part 2: Alpha-3 Code.	string	O	1
	JobLocationInformation A collection of elements giving details of a job location.		O	1
	ServiceDateTime The actual and/or schedule dates for a service.	datetime	O	U
	CountryOfOrigin The country where product originates or is deemed to have originated.		O	1
	CountryOfFinalDestination The country where product is ultimately delivered or is deemed to have been delivered.		O	1

	TransportInformation		O	1
	A code indicating the mode of transportation used to move product.			
	PaymentTerms		O	1
	A collection of elements detailing payment terms information.			
	CreditCardInformation		O	1
	A collection of elements defining the details of a credit card.			
	SpecialInstructions	string	O	U
	A free-form textual description of special requirements.			
	ReferenceInformation		O	U
	A collection of elements detailing references to information that reside outside of the current transaction message.			
	Attachment		O	U
	A collection of elements defining the details of an attachment to the document.			
	Comment	string	O	1
	A free-form textual structure for general information or comments.			
parent(s)	OrderCreate			

OrderCreateDetails

A collection of elements defining the details of the Order Create message.

note				
children	Name	Type	Use	Max
	OrderCreateLineItem		M	U
	A collection of elements defining the details of the line items making up the order.			
parent(s)	OrderCreate			

OrderCreateLineItem

A collection of elements defining the details of the line items making up the order.

note	
------	--

children	Name	Type	Use	Max
	LineItemNumber	string	M	1
	A sequential individual line identifier within a document containing service or item information.			
	LineItemInformation		M	1
	A collection of elements detailing identifying information about a line item.			
	OrderQuantity		M	1
	The number of units of an item or service ordered.			
	CommodityCode	string	O	U
	A code indicating the categorization of a product or service in accordance with a particular standard.			
	PartnerInformation		O	U
	A collection of elements detailing partner information.			
	JobLocationInformation		O	1
	A collection of elements giving details of a job location.			
	Pricing		O	1
	A collection of elements detailing price information.			
	AllowanceOrCharge		O	U
	A collection of elements defining the details of an allowance or charge to the customer.			
	Tax		O	U
	A collection of elements detailing information about tax applied to a transaction.			
	LineItemTotal		O	1
	The net total monetary amount for the line item.			
	ServiceDateTime	datetime	O	U
	The actual and/or schedule dates for a service.			
	CountryOfOrigin		O	1
	The country where product originates or is deemed to have originated.			
	CountryOfFinalDestination		O	1
	The country where product is ultimately delivered or is deemed to have been delivered.			
	TransportInformation		O	1
	A code indicating the mode of transportation used to move product.			
	PaymentTerms		O	1
	A collection of elements detailing payment terms information.			
	CreditCardInformation		O	1
	A collection of elements defining the details of a credit card.			
	SpecialInstructions	string	O	U
	A free-form textual description of special requirements.			
	PackagingCharacteristicCode	string	O	U
	A code indicating the marking, packaging, loading and related characteristics being described.			
	PackageSpecifications			
	ProductMarking	SkidPalletType		
	TypeOfPackage	Other		
	PackagingCharacteristicDescription	string	O	U

	Free-form text providing any additional information associated with the Packaging Characteristic Code.			
	ReferenceInformation		O	U
	A collection of elements detailing references to information that reside outside of the current transaction message.			
	Attachment		O	U
	A collection of elements defining the details of an attachment to the document.			
	Comment	string	O	1
	A free-form textual structure for general information or comments.			
	OrderCreateSubLineItem		O	U
	A collection of elements defining the details of the sub line items of an order. It is used if a line item needs to be broken down into further detail.			
parent(s)	OrderCreateDetails			

OrderCreateSubLineItem

A collection of elements defining the details of the sub line items of an order. It is used if a line item needs to be broken down into further detail.

note	
------	--

children	Name	Type	Use	Max
	SubLineItemNumber	string	M	1
	The sub-line item number relating to the primary line item referenced in the message.			
	LineItemInformation		M	1
	A collection of elements detailing identifying information about a line item.			
	OrderQuantity		M	1
	The number of units of an item or service ordered.			
	CommodityCode	string	O	U
	A code indicating the categorization of a product or service in accordance with a particular standard.			
	PartnerInformation		O	U
	A collection of elements detailing partner information.			
	JobLocationInformation		O	1
	A collection of elements giving details of a job location.			
	Pricing		O	1
	A collection of elements detailing price information.			
	AllowanceOrCharge		O	U
	A collection of elements defining the details of an allowance or charge to the customer.			
	Tax		O	U
	A collection of elements detailing information about tax applied to a transaction.			
	LineItemTotal		O	1
	The net total monetary amount for the line item.			
	ServiceDateTime	datetime	O	U
	The actual and/or schedule dates for a service.			
	CountryOfOrigin		O	1
	The country where product originates or is deemed to have originated.			
	CountryOfFinalDestination		O	1
	The country where product is ultimately delivered or is deemed to have been delivered.			
	TransportInformation		O	1
	A code indicating the mode of transportation used to move product.			
	PaymentTerms		O	1
	A collection of elements detailing payment terms information.			
	CreditCardInformation		O	1
	A collection of elements defining the details of a credit card.			
	SpecialInstructions	string	O	U
	A free-form textual description of special requirements.			
	PackagingCharacteristicCode	string	O	U
	A code indicating the marking, packaging, loading and related characteristics being described.			
	PackageSpecifications			
	ProductMarking	SkidPalletType		
	TypeOfPackage	Other		
	PackagingCharacteristicDescription	string	O	U

	Free-form text providing any additional information associated with the Packaging Characteristic Code.			
	ReferenceInformation		O	U
	A collection of elements detailing references to information that reside outside of the current transaction message.			
	Attachment		O	U
	A collection of elements defining the details of an attachment to the document.			
	Comment	string	O	1
	A free-form textual structure for general information or comments.			
parent(s)	OrderCreateLineItem			

OrderCreateSummary

A collection of elements detailing the totals of the order.

note				
children	Name	Type	Use	Max
	TotalLineItems	integer	M	1
	The total number of line items contained in a message.			
	TotalAmount		O	1
	The total monetary amount of an order.			
parent(s)	OrderCreate			

AddressInformation

A collection of elements defining the details of an address.

note				
level	OrderCreateProperties OrderCreateDetails			
children	<p>Name</p> <p>POBoxNumber The identity of a physical box within a postal facility to accept and receive mail.</p> <p>BuildingHouseNumber The alphanumeric identifier of a building as a part of an address.</p> <p>StreetName The name of a street as part of an address.</p> <p>AddressLine An occurrence of a generally accepted formatted line of data such that when combined with the entire address structure there is sufficient information for delivery or location purposes.</p> <p>CityName The name of the city or municipality.</p> <p>StateProvince The name of the municipality or town as a location for mailing, siting and other geographic functions.</p> <p>PostalCode The code assigned by local postal authorities to delivery addresses.</p> <p>PostalCountry The country code indicating the country to which mail should be delivered.</p> <p>CountyName The name of the county.</p> <p>LocationIdentifier A unique identifier for a physical location.</p>	<p>Type</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p>	<p>Use</p> <p>O</p> <p>O</p> <p>O</p> <p>O</p> <p>O</p> <p>O</p> <p>O</p> <p>O</p> <p>O</p> <p>O</p>	<p>Max</p> <p>1</p> <p>1</p> <p>1</p> <p>U</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
parent(s)	JobLocationInformation Location PartnerInformation TaxLocation			

AllowanceOrCharge

A collection of elements defining the details of an allowance or charge to the customer.

note	If AllowanceOrCharge is used, then at least one of AllowanceOrChargeRate, AllowanceOrChargeTotalAmount, or AllowanceOrChargePercent is required.
level	OrderCreateDetails

children	Name	Type	Use	Max
	AllowanceOrChargeTotalAmount The total monetary amount for the allowance or charge.		0	1
	AllowanceOrChargeRate The rate per unit of the allowance or charge.		0	1
	AllowanceOrChargePercent The allowance or charge expressed as a percentage.	decimal	0	1
	AllowanceOrChargeNumber The identifier assigned by a vendor referencing an allowance, promotion, deal or charge.	string	0	1
	AllowanceOrChargeTypeCode A code identifying the kind of allowance or charge being described.	string	0	1
	Freight			
	FuelSurcharge			
	SpecialHandlingService			
	Discount			
	FlatRate			
	EngineeringCharge			
	InvoiceAdjustment			
	InsuranceSurcharge			
	OneTimeLicenseFee			
	Royalties			
	MiscellaneousCharge			
	PostageCharge			
	TrailerRentalCharge			
	TransportationDirectBilling			
	TransportationVendorProvided			
	Other			
	MethodOfHandlingCode A code which describes how a particular allowance or charge should be handled.	string	0	1
	OffInvoice			
	ChargeToBePaidByCustomer			
	Other			
	AllowanceOrChargeDescription A free form description used to clarify the related allowance and charge data elements and their content.	string	0	1
	AllowanceOrChargeQuantity The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.		0	1
parent(s)	OrderCreateLineItem OrderCreateSubLineItem			

attributes	Name	Type	Use	Fixed
	allowanceOrChargeIndicator A code to indicate whether the information relates to an allowance or charge.	string	M	
	Allowance			
	Charge			
	Other			

AllowanceOrChargePercent

The allowance or charge expressed as a percentage.

note				
level	OrderCreateDetails			
parent(s)	AllowanceOrCharge			
attributes	Name	Type	Use	Fixed
	percentIndicator A code indicating on what basis the allowance or charge percent is calculated.	string	O	

AllowanceOrChargeQuantity

The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.

note				
level	OrderCreateDetails			
children	Name	Type	Use	Max
	Quantity A numeric count of measure.	decimal	M	1
	UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.	string	M	1
parent(s)	AllowanceOrCharge			

AllowanceOrChargeRate

The rate per unit of the allowance or charge.

note				
level	OrderCreateDetails			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.	string	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
parent(s)	AllowanceOrCharge			

AllowanceOrChargeTotalAmount

The total monetary amount for the allowance or charge.

note				
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level	OrderCreateDetails			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies	string	O	1



AlternativeCommunicationMethod

Additional methods of communication, such as an IP Address or Printer ID, in addition to those specifically listed elsewhere in contact or address information.

note																																									
level	OrderCreateProperties OrderCreateDetails																																								
parent(s)	ContactInformation																																								
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Fixed</th> </tr> </thead> <tbody> <tr> <td>alternativeCommunicationMethodIndicator</td> <td>string</td> <td>M</td> <td></td> </tr> <tr> <td colspan="4">A code to indicate the type of alternative communication method.</td> </tr> <tr> <td>AUTOVON</td> <td></td> <td></td> <td></td> </tr> <tr> <td>EDIAccessNumber</td> <td></td> <td></td> <td></td> </tr> <tr> <td>FederalTelecommunicationsSystem</td> <td>IPAddress</td> <td></td> <td></td> </tr> <tr> <td>PacketSwitching</td> <td>PrinterID</td> <td></td> <td></td> </tr> <tr> <td>StationCode</td> <td>Telemail</td> <td></td> <td></td> </tr> <tr> <td>Telex</td> <td>TWX</td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Fixed	alternativeCommunicationMethodIndicator	string	M		A code to indicate the type of alternative communication method.				AUTOVON				EDIAccessNumber				FederalTelecommunicationsSystem	IPAddress			PacketSwitching	PrinterID			StationCode	Telemail			Telex	TWX			Other			
Name	Type	Use	Fixed																																						
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StationCode	Telemail																																								
Telex	TWX																																								
Other																																									

Attachment

A collection of elements defining the details of an attachment to the document.

note	
level	OrderCreateProperties OrderCreateDetails

	Name	Type	Use	Max
children	AttachmentPurposeCode	string	0	1
	A code to indicate the purpose of the attachment.			
	Template			
	Other			
	FileName	string	0	1
	The name of the file in an attachment.			
	AttachmentTitle	string	0	1
	The title of the attachment.			
	AttachmentDescription	string	0	1
A free-form textual description of the attachment.				
	FileType	string	0	1
The type of the file in an attachment.				
	AttachmentLocation	string	0	1
The location of the attachment, such as a URL.				
parent(s)	OrderCreateLineItem OrderCreateProperties OrderCreateSubLineItem			

Block

A collection of elements defining the details of a block, which identifies a location.

note					
level	OrderCreateProperties OrderCreateDetails				
children	Name	Type	Use	Max	
	BlockName	string	0	1	
	The name of the block, which identifies a location.				
	OCSGNumber	string	0	1	
	The Outer Continental Shelf Gulf number.				
	StateLease	string	0	1	
	Lease on state land.				
parent(s)	GeographicalInformation				

CommodityCode

A code indicating the categorization of a product or service in accordance with a particular standard.

note					
level	OrderCreateDetails				
parent(s)	OrderCreateLineItem OrderCreateSubLineItem				
attributes	Name	Type	Use	Fixed	
	agencyIndicator	string	0		
	A code indicating what agency or organization is responsible for defining the commodity code list.				

ContactIdentifier

The identifier of the contact person or department.

note					
level	OrderCreateProperties OrderCreateDetails				
parent(s)	ContactInformation				
attributes	Name	Type	Use	Fixed	
	contactIdentifierIndicator	string	0		
	A code to identify the origin of the contact identifier.				
	AssignedByBuyer				
	AssignedBySeller	EmployeeID			
Other					

ContactInformation

A collection of elements defining details of communication for a contact person.

note	It is recommended that ContactInformation be used at either the Property or Detail level, but not both.				
level	OrderCreateProperties OrderCreateDetails				
children	Name	Type	Use	Max	
	ContactIdentifier	string	O	1	
	The identifier of the contact person or department.				
	ContactName	string	O	1	
	The name of the contact person within the organization.				
	ContactDescription	string	O	1	
	A free-form textual description of the contact.				
	Telephone		O	U	
	A collection of elements detailing information about a telephone number.				
	EmailAddress	string	O	1	
	The address assigned to a person or organization to receive electronic messages.				
	AlternativeCommunicationMethod	string	O	U	
	Additional methods of communication, such as an IP Address or Printer ID, in addition to those specifically listed elsewhere in contact or address information.				
parent(s)	PartnerInformation				
attributes	Name	Type	Use	Fixed	
	contactInformationIndicator	string	M		
	A code indicating the function of the contact.				
	BuyerDepartment	DeliveryContact			
	DesignEngineer	Engineer			
	EnteredBy				
	FieldRepresentative				
	OfficeRepresentative				
	OrderContact	PurchasingAgent			
	QuotePreparer	QuoteRequestor			
	RFQContact				
	SalesRepresentative				
	ServiceCoordinator				
	TechnicalMarketingRepresentative				
	Other				

CountryOfFinalDestination

The country where product is ultimately delivered or is deemed to have been delivered.

note				
level	OrderCreateProperties OrderCreateDetails			
children	Name CountryCode A code indicating a country.	Type string	Use M	Max 1

	use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions-Part 1:Country Codes.
parent(s)	nrd >rr:rg:rt >ljret >ro OrderCreateProperties OrderCreateSLblinertn

CountryOfOrigin

The country where product originates or is deemed to have originated.

note					
level	OrderCreateProperties OrderCreateDetails				
children	Name CountryCode A code indicating a country. Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.	Type string	Use M	Max 1	
parent(s)	OrderCreateLinItem OrderCreateProperties OrderCreateSubLinItem				

CreditCardInformation

A collection of elements defining the details of a credit card.

note					
level	OrderCreateProperties OrderCreateDetails				
children	Name CreditCardNumber The number identifying the credit card account. CardHolderName The name of the party to whom the credit card is registered. CreditCardType The type of credit card as generally identified by financial institutions. CreditCardExpirationDate The date upon which a credit card expires and is no longer valid. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day. CardAuthorizationCode The authorization number assigned to a transaction against a credit card. CardReferenceNumber A customer reference number which is used to enable transmission of customer specific information with the card.	Type integer string string date string string	Use M O O O O O	Max 1 1 1 1 1	
parent(s)	OrderCreateLinItem OrderCreateProperties OrderCreateSubLinItem				

Deferred

The terms for a deferred payment in relation to a transaction.

note				
level	OrderCreateProperties OrderCreateDetails			
children	Name	Type	Use	Max
	DeferredAmount		O	1
	The monetary amount that is deferred for payment based upon terms in an invoice, contract or agreement.			
	DeferredDueDate	date	O	1
	The date upon which a deferred payment is due. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.			
children	PercentDeferredPayable	decimal	O	1
	The amount due that is deferred for payment expressed as a percentage.			
	Description	string	O	1
A free-form textual explanation or clarification.				
parent(s)	PaymentTerms			

DeferredAmount

The monetary amount that is deferred for payment based upon terms in an invoice, contract or agreement.

note				
level	OrderCreateProperties OrderCreateDetails			
children	Name	Type	Use	Max
	MonetaryAmount	decimal	M	1
	The currency value of a transaction or item.			
children	CurrencyCode	string	O	1
	A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.			
parent(s)	Deferred			

DiscountAmount

The monetary amount of a discount based upon payment terms.

note				
level	OrderCreateProperties OrderCreateDetails			

children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
parent(s)	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
	<u>Discounts</u>			

Discounts

The monetary amount allowed or applied as a credit against a transaction or balance.

note				
level	OrderCreateProperties OrderCreateDetails			
children	<p>Name</p> <p>DaysDue The number of days from the payment terms basis date before a discount expires.</p> <p>DiscountsDueDate The date upon which a discount expires. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.</p> <p>PercentDiscount A discount to be applied to the transaction expressed as a percentage.</p> <p>DiscountAmount The monetary amount of a discount based upon payment terms.</p> <p>Description A free-form textual explanation or clarification.</p>	<p>Type</p> <p>integer</p> <p>date</p> <p>decimal</p> <p>string</p>	<p>Use</p> <p>O</p> <p>O</p> <p>O</p> <p>O</p>	<p>Max</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
parent(s)	PaymentTerms			

EffectiveDates

The period of time (or range) where the information is valid or guaranteed.

note				
level	OrderCreateProperties OrderCreateDetails			
children	<p>Name</p> <p>FromDate The date upon which a time period begins. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.</p> <p>ToDate The date upon which a time period ends. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.</p>	<p>Type</p> <p>date</p> <p>date</p>	<p>Use</p> <p>M</p> <p>M</p>	<p>Max</p> <p>1</p> <p>1</p>
parent(s)	TaxInformation			

GeographicalInformation

A collection of elements defining a geographical location.

note	If any one of Section, Township, or Range is given then the other two are required.			
level	OrderCreateProperties OrderCreateDetails			
children	Name	Type	Use	Max
	FieldName	string	O	1
	The name of the oil field.			
	Section	string	O	1
	A part of Section/Township/Range location identifier scheme.			
	Township	string	O	1
	A part of Section/Township/Range location identifier scheme.			
	Range	string	O	1
A part of Section/Township/Range location identifier scheme.				
Region	string	O	1	
The name of a geographic region.				
Block			O	1
A collection of elements defining the details of a block, which identifies a location.				
GPSCoordinates			O	1
A collection of elements containing latitude and longitude data for a specific location.				
parent(s)	JobLocationInformation Location			

GPSCoordinates

A collection of elements containing latitude and longitude data for a specific location.

note				
level	OrderCreateProperties OrderCreateDetails			
children	Name	Type	Use	Max
	Latitude	string	M	1
	The specified latitude of a location.			
Longitude	string	M	1	
The specified longitude of a location.				
parent(s)	GeographicalInformation			

HazardousMaterialClassCode

A code indicating the kind of hazard for a material.

note	
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level	OrderCreateProperties OrderCreateDetails			
parent(s)	HazardousMaterials			
attributes	Name hazardousMaterialIndicator A code which qualifies the Hazardous Material Class Code.	Type string	Use M	Fixed

HazardousMaterials

A collection of elements conveying hazardous goods information related to a product.

note	If HazardousMaterials is used, then at least one of SpecialHandlingCode or HazardousMaterialDescription is required.			
level	OrderCreateProperties OrderCreateDetails			
children	Name	Type	Use	Max
	SpecialHandlingCode	string	0	1
	A code identifying any special transportation handling instructions			
	HazardousMaterialDescription	string	0	1
	A free-form textual explanation of information related to a hazardous shipment.			
	HazardousMaterialClassCode	string	0	U
	A code indicating the kind of hazard for a material.			
parent(s)	TransportInformation			

JobLocationIdentifier

A unique identifier referencing the job location.

note				
level	OrderCreateProperties OrderCreateDetails			
parent(s)	JobLocationInformation			
attributes	Name	Type	Use	Fixed
	jobLocationIdentifierIndicator	string	0	
	A code to define what type of location the identifier is referencing.			
	ChemicalPlant	Coal-		
	Degas	CogenerationPlant		
	Construction	Dock		
	GasPlant			
	IndustrialServiceMiscellaneous			
	MilitaryGovernment	PaperMill		
	PetroleumPlant	Pipeline		
	Refinery	Rig		
	UtilityPlant			
	Other			

JobLocationInformation

A collection of elements giving details of a job location.

note	
level	OrderCreateProperties OrderCreateDetails

children	Name	Type	Use	Max
	JobLocationIdentifier A unique identifier referencing the job location.	string	0	U
	JobLocationClassCode A code indicating the class of the job location.	string	0	1
	FederalWaters Land InlandWaters StateWaters Other			
	JobLocationDescription A free-form textual description of the job location.	string	0	1
	JobLocationStatus A code indicating whether a location is active or inactive.	string	0	1
	Inactive Active Other			
	WellInformation A collection of elements detailing information about a well.		0	1
	JobSiteCategory A code indicating the kind of site on which the job is located.	string	0	1
	Boiler CivilHighways Compression Condenser ConstructPiles Dams HeatExchanger IndustrialServiceMiscellaneous Piping Production TowerVessel Turbine UndergroundStr Other			
	AddressInformation A collection of elements defining the details of an address.		0	1
	GeographicalInformation A collection of elements defining a geographical location.		0	1
parent(s)	OrderCreateLineItem OrderCreateProperties OrderCreateSubLineItem			

LinItemIdentifier

The unique identifier for a product or service making up the line item.

note				
level	OrderCreateDetails			
parent(s)	LinItemInformation			
attributes	Name	Type	Use	Fixed
	identifierIndicator	string	M	
	A code to indicate the origin of the identifier.			
	AssignedByBuyer			
	AssignedByManufacturer			
	AssignedBySeller			
	CatalogueNumber	UPCNumber		
	Other			

LinItemInformation

A collection of elements detailing identifying information about a line item.

note				
level	OrderCreateDetails			
children	Name	Type	Use	Max
	LinItemIdentifier	string	O	U
	The unique identifier for a product or service making up the line item.			
	LinItemName	string	O	1
	The name of the product or service in the line item.			
	LinItemDescription	string	O	1
A free-form textual description of the line item.				
ManufacturerIdentifier	string	O	1	
A unique identifier for a manufacturer.				
parent(s)	OrderCreateLinItem OrderCreateSubLinItem			

LinItemTotal

The net total monetary amount for the line item.

note				
level	OrderCreateDetails			
children	Name	Type	Use	Max
	MonetaryAmount	decimal	M	1
	The currency value of a transaction or item.			
CurrencyCode	string	O	1	
A code indicating the currency in which the monetary amount is specified.				

	Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.
parent(s)	OrderCreateLineItem OrderCreateSubLineItem

Location

A collection of elements giving details about a location.

note					
level	OrderCreateProperties OrderCreateDetails				
children	Name	Type	Use	Max	
	LocationIdentifier	string	O	1	
	A unique identifier for a physical location.				
	LocationName	string	O	1	
	The name of the location being referenced.				
	AddressInformation		O	1	
children	A collection of elements defining the details of an address.				
	GeographicalInformation		O	1	
	A collection of elements defining a geographical location.				
	LocationDescription	string	O	1	
Free-form textual description of the location.					
parent(s)	TransportInformation				
attributes	Name	Type	Use	Fixed	
	locationIndicator	string	O		
	A code to identify what kind of location is being referenced. FreightEqualizationPoint				
	OnVessel-FOBPoint				
	AssignedBySeller				
	Origin-AfterLoadingOnEquipment				
	Origin-ShippingPoint				
	Plant				
	ShippingDestination				
	Warehouse				
	Other				

MeasurementRange

A collection of elements providing a minimum and maximum measurement to create a range.

note					
level	OrderCreateProperties OrderCreateDetails				
children	Name	Type	Use	Max	
	MinimumMeasurement	decimal	M	1	
	The smallest measurement in a given range.				
children	MaximumMeasurement	decimal	M	1	
	The largest measurement in a given range.				

parent(s)	PriceBasis
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OrderQuantity

The number of units of an item or service ordered.

note				
level	OrderCreateDetails OrderResponse OrderResponseDetails OrderChangeDetails			
children	Name	Type	Use	Max
	Quantity A numeric count of measure.	decimal	M	1
children	UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.	string	M	1
parent(s)	OrderChangeLineItem OrderChangeSubLineItem OrderCreateLineItem OrderCreateSubLineItem OrderResponseLineItem OrderResponseSubLineItem			

PartnerIdentifier

A unique identifier indicating a particular partner or organization.

note				
level	OrderCreateProperties OrderCreateDetails			
parent(s)	PartnerInformation			
attributes	Name	Type	Use	Fixed
	partnerIdentifierIndicator A code to identify the origin of the Partner Identifier.	string	M	
	AssignedByBuyer			
	AssignedBySeller	DUNSNuMber		
	DUNS+4Number	Other		

PartnerInformation

A collection of elements detailing partner information.

note				
level	OrderCreateProperties OrderCreateDetails			
children	Name PartnerIdentifier A unique identifier indicating a particular partner or organization. PartnerName The name of the organization being referenced in Partner Information. AddressInformation A collection of elements defining the details of an address. ContactInformation A collection of elements defining details of communication for a contact person. TaxInformation A collection of elements detailing tax information about a partner. URL A Uniform Resource Locator indicating an internet address.	Type string string string string string string	Use M O O O O	Max U 1 1 U 1 1
parent(s)	OrderCreateLineItem OrderCreateProperties OrderCreateSubLineItem TransportInformation			

attributes	Name	Type	Use	Fixed
	partnerRoleIndicator	string	M	
	A code to indicate the role in this transaction of the partner being referenced.			
	BillAndShipTo			
	BillTo			
	Carrier			
	CommissionPayee			
	FinalRecipient			
	Manufacturer			
	Marketplace			
	MaterialIssuer			
	OnsiteContractingCompany			
	OperatingCompany			
	Payer			
	PrimaryContractor			
	RemitTo			
	Seller			
	ShipFromParty			
	ShipToParty			
	SoldTo			
	ThirdParty			
	Vendor			
	Warehouse			
	Other			

PaymentTerms

A collection of elements detailing payment terms information.

note	<p>If either one of PercentDiscount or DiscountAmount is used, then at least one of DiscountsDueDate or DaysDue is required.</p> <p>If DeferredDueDate is used, then at least one of DeferredAmountDue or PercentOfInvoicePayable is required.</p>			
level	<p>OrderCreateProperties</p> <p>OrderCreateDetails</p>			
children	Name	Type	Use	Max
	PaymentTermsOfSale	string	0	1
	The terms on which payment is calculated for the transaction.			
	Description	string	0	1
	A free-form textual explanation or clarification.			
	PaymentTermsBasisDateCode	string	0	1
	A code identifying the beginning of the terms period.			
	DeliveryDate InvoiceDate			
	InvoiceReceiptDate Other			
	PaymentTermsBasisDate	date	0	1
	The date from which payment terms or discounts are calculated or based.			
	Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.			
	TermsNetDays	integer	0	1
	The number of days until the total invoice amount is due (discount not applicable).			
	PercentOfInvoicePayable	decimal	0	1
	The amount of an invoice payable expressed as a percentage.			
	Discounts		0	1
	The monetary amount allowed or applied as a credit against a transaction or balance.			
	Deferred		0	1
	The terms for a deferred payment in relation to a transaction.			
	Penalty	string	0	1
	A percentage used to calculate the penalty on any balance unpaid by the due date.			
parent(s)	<p>OrderCreateLineltem</p> <p>OrderCreateProperties</p> <p>OrderCreateSubLineltem</p>			

PostalCountry

The country code indicating the country to which mail should be delivered.

note	
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level	OrderCreateProperties OrderCreateDetails			
children	Name CountryCode A code indicating a country. Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.	Type	Use	Max
		string	M	1
parent(s)	AddressInformation			

PriceBasis

A structure allowing for a price to be based on more than just a single unit of measure.

note				
level	OrderCreateDetails			
children	Name	Type	Use	Max
	Measurement	decimal	O	1
	A numeric value for technical or attribute data.			
	MeasurementRange		O	1
	A collection of elements providing a minimum and maximum measurement to create a range.			
parent(s)	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed.			
	Use values from the DE 355 code list contained in ASC X12 release 3030.			
	BasisDescription	string	O	1
	Free-form textual description of the basis.			

Pricing

A collection of elements detailing price information.

note				
level	OrderCreateDetails			
children	Name	Type	Use	Max
	UnitPrice		M	1
	The unit price of the product or service being sold.			
parent(s)	PriceBasis		O	U
	A structure allowing for a price to be based on more than just a single unit of measure.			
	OrderCreateLineItem			
	OrderCreateSubLineItem			

PrimaryCurrency

The currency code indicating the currency to be used for the transaction.

note				
level	OrderCreateProperties			
children	Name	Type	Use	Max
	CurrencyCode	string	M	1
	A code indicating the currency in which the monetary amount is specified.			
parent(s)	Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.			
	OrderCreateProperties			

ReferenceInformation

A collection of elements detailing references to information that reside outside of the current transaction message.

note	It is recommended that ReferenceInformation be used at either the Property or Detail level, but not both.			
level	OrderCreateProperties OrderCreateDetails			
children	Name	Type	Use	Max
	ReferenceNumber A number or identifier that is used to reference documents or information not included within a particular message. The referenceInformationIndicator attribute qualifies what this number references Description A free-form textual explanation or clarification.	string string	M O	1 1
parent(s)	OrderCreateLineItem OrderCreateProperties OrderCreateSubLineItem			

attributes	Name	Type	Use	Fixed
	referenceInformationIndicator	string	M	
	A code to identify what type of information is being referenced.			
	AFENumber	BatchNumber		
	BillOfLading	Certification		
	CertifiedInspectionTestResults			
	ConfigurationNumber			
	ContractNumber			
	CostAllocationReference	CostCenter		
	CustomerAccountingReference			
	CustomerReferenceNumber			
	DeliveryTicketNumber			
	DivisionIdentifier			
	EngineeringChangeOrderNumber	JobNumber		
	LetterOfCreditNumber			
	LocationNumber			
	MaterialSafetyDataSheet			
	OperatorGeneralLedgerCode			
	OriginalInvoiceNumber			
	PriceAreaNumber	ProjectNumber		
	ProposalNumber	QuoteNumber		
	RequestForQuotationNumber			
	TemplateNumber			
	Other			

SecondCurrency

The currency code indicating a second currency, such as for European countries using the Euro and a local currency.

note				
level	OrderCreateProperties			
children	Name	Type	Use	Max
	CurrencyCode	string	M	1
	A code indicating the currency in which the monetary amount is specified.			
	Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.			
parent(s)	OrderCreateProperties			

ServiceDateTime

The actual and/or schedule dates for a service.

note	<p>Format is CCYY-MM-DDThh:mm:ss where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day. The letter "T" is the date/time separator and "hh", "mm", "ss" represent hour, minute and second respectively.</p> <p>The CCYY field must have at least four digits, the MM, DD, SS, hh, mm and ss fields exactly two digits each. Leading zeroes must be used if the field would otherwise have too few digits.</p> <p>If no time is to be given then use zeroes in the hh, mm and ss fields.</p> <p>This representation may be immediately followed by a "Z" to indicate Coordinated Universal Time (UTC) or, to indicate the time zone, i.e. the difference between the local time and Coordinated Universal Time, immediately followed by a sign, + or -, followed by the difference from UTC represented as hh:mm (note: the minutes part is required). For example, to indicate 1:20 pm on May the 31st, 1999 for Eastern Standard Time which is 5 hours behind Coordinated Universal Time (UTC), one would write: 1999-05-31T13:20:00-05:00.</p>
level	OrderCreateProperties OrderCreateDetails
parent(s)	OrderCreateLineItem OrderCreateProperties OrderCreateSubLineItem

attributes	Name	Type	Use	Fixed
	dateTypeIndicator	string	M	
	A code to identify which date being given.			
	ArriveLocationDate InvoiceDueDate			
	InvoicePeriodStartDate			
	LeaveLocationDate			
	PromisedForDelivery			
	PromisedForShipment			
	RequestedForDelivery			
	RequestedForShipment			
	ServicePeriodEnd			
	ServicePeriodStart ShipDate			
	Other			

SpecialInstructions

A free-form textual description of special requirements.

note				
level	OrderCreateProperties OrderCreateDetails			
parent(s)	OrderCreateLineItem OrderCreateProperties OrderCreateSubLineItem			
attributes	Name	Type	Use	Fixed
	instructionIndicator	string	0	
	A code to identify the type of instruction being given.			
	CarrierInstructions			
	ConsigneeInstructions			
	DriverInstructions			
	EmptyReturnInstructions			
	InspectionInstructions			
	RoutingInstructions			
	ShipperInstructions	ShortLeadTime		
	Tolerances			
	Other			

Tax

A collection of elements detailing information about tax applied to a transaction.

note	It is recommended that Tax be used at the Detail level to support tax exemptions. However, many systems cannot provide detail-level Tax information at this time, therefore, Tax is not mandatory at the detail level.
level	OrderCreateDetails

children	Name	Type	Use	Max
	TaxTypeCode A code indicating the kind of tax being applied.	string	M	1
	CitySalesTax			
	CountyParishSalesTax	CountyTax		
	FederalExciseTax			
	GoodsAndServicesTax			
	GrossReceiptsTax	LocalTax		
	MetropolitanTransitTax			
	StateAndLocalSalesTax			
	StateProvincialTax	StateSalesTax		
	ValueAddedTax	WellServiceTax		
	Other			
	MixedRateIndicator A mixed rate VAT tax indicator. This is used for European tax purposes.	string	O	1
	TaxIdentifierNumber A unique number or code issued to an organization by a governmental or regulatory body identifying that entity for tax purposes.	string	O	1
	TaxExemptCode A code identifying exemption status from sales and use tax.	string	O	1
	DirectPay	Exempt		
	NonExempt	Other		
	<u>TaxLocation</u> The physical or deemed location at which tax is calculated based upon jurisdiction by a governmental or regulatory body.		O	1
	TaxRate The percentage or monetary amount charged on a transaction.	decimal	O	1
	<u>TaxBasisAmount</u> The monetary amount which is subject to tax.		O	1
	<u>TaxAmount</u> The monetary amount of the tax.		O	1
	TaxReference A free-form textual explanation or clarification.	string	O	1
parent(s)	OrderCreateLineItem OrderCreateSubLineItem			

TaxAmount

The monetary amount of the tax.

note				
level	OrderCreateDetails			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
	parent(s)	Tax		

TaxBasisAmount

The monetary amount which is subject to tax.

note				
level	OrderCreateDetails			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
	parent(s)	Tax		

TaxInformation

A collection of elements detailing tax information about a partner.

note				
level	OrderCreateProperties OrderCreateDetails			

children	Name	Type	Use	Max
	TaxIdentifierNumber A unique number or code issued to an organization by a governmental or regulatory body identifying that entity for tax purposes.	string	0	1
	Jurisdiction The authority exercised by a nation, a judicial body, or a legislative body over persons, places, and property. Jurisdiction may apply to the territory over which a nation has control, including the land area, the adjacent sea, and the airspace above. It may also refer to the authority of an international body to make decisions binding on national entities.	string	0	1
	TaxCertificateType The category of tax certificate for which an identifying number is issued.	string	0	1
	TaxCertificateNumber The identifying number for a tax certificate such as tax exemption, sales and use tax certificate or other such document.	string	0	1
parent(s)	PartnerInformation			

TaxLocation

The physical or deemed location at which tax is calculated based upon jurisdiction by a governmental or regulatory body.

note				
level	OrderCreateDetails			
children	Name	Type	Use	Max
	LocationIdentifier	string	O	1
	A unique identifier for a physical location.			
	LocationName	string	O	1
	The name of the location being referenced.			
children	LocationDescription	string	O	1
	Free-form textual description of the location.			
	AddressInformation		O	1
A collection of elements defining the details of an address.				
parent(s)	Tax			

Telephone

A collection of elements detailing information about a telephone number.

note				
level	OrderCreateProperties OrderCreateDetails			
children	Name	Type	Use	Max
	PhoneNumber	string	M	1
	A numerical sequence to reach a telephone attached to a communication network.			
	PhoneNumberExtension	string	O	1
	An extension number that is needed to further identify the phone number.			
children	TelecomCountryCode	string	O	1
	The dialing code from another country to access the telephone network in another country.			
	TelecomAreaCode	string	O	1
The area code within a country or jurisdiction, if needed, to access local telephones within the country.				
parent(s)	ContactInformation			
attributes	Name	Type	Use	Fixed
	telephoneIndicator	string	O	
	A code to indicate the type of phone number being given.			
	Fax <input type="checkbox"/> Mobile			
Pager <input type="checkbox"/> Voice				
Other <input type="checkbox"/>				

TotalAmount

The total monetary amount of an order.

note				
level	OrderCreateSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1

	CurrencyCode string 0 1 A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.
parent(s)	OrderCreateSummary

TransportInformation

A collection of elements detailing how product is transported.

note	If TransportInformation is used, then at least one of TransportMethodCode, Routing, or ServiceLevelCode is required.
level	OrderCreateProperties OrderCreateDetails

children	Name	Type	Use	Max
	ShipmentMethodOfPayment A code indicating payment terms for transportation charges.	string	M	1
	Collect Collect-			
	FreightCreditedBackToCustomer			
	CustomerPickupBackhaul Pickup			
	PrepaidBySeller Prepaid-			
	ChargedToCustomer ServiceFreight-			
	NoCharge ThirdPartyPay			
	Other			
	RoutingSequenceCode A code indicating the relationship of a carrier to a specific shipment movement.	string	O	1
	OriginCarrier-AirMotorOcean			
	OriginDeliveryCarrier-AnyMode			
	Other			
	TransportMethodCode A code indicating the mode of transportation used to move product.	string	O	1
	Air AirExpress			
	Barge BestWay-			
	ShippersOption Boat			
	CustomerPickup ExpeditedTruck			
	Motor-CommonCarrier Ocean			
	ParcelPost Rail			
	SupplierTruck Truck			
	Vessel Other			
	PartnerInformation A collection of elements detailing partner information.		O	U
	Location A collection of elements giving details about a location.		O	U
	ShipmentTermsCode A code indicating the terms under which a product is shipped, such as Freight Prepaid, FOB or similar.	string	O	1
	Routing A free-form description of the shipping route to be provided for transportation of product.	string	O	1
	ServiceLevelCode	string	O	1

	A code indicating the level of service required. HazardousMaterials O 1 A collection of elements conveying hazardous goods information related to a product.
	CarrierEquipmentCode string O 1 A code indicating the kind of equipment parent(s) the carrier.
	TransportName string O 1 The identifier of specific vessel, truck, railcar, etc.
parent(s)	OrderCreateLineItem OrderCreateProperties OrderCreateSubLineItem

UnitPrice

A collection of elements detailing how product is transported.

note																	
level	OrderCreateDetails																
children	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>MonetaryAmount The currency value of a transaction or item.</td> <td>decimal</td> <td>M</td> <td>1</td> </tr> <tr> <td>UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.</td> <td>string</td> <td>M</td> <td>1</td> </tr> <tr> <td>CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.</td> <td>string</td> <td>O</td> <td>1</td> </tr> </tbody> </table>	Name	Type	Use	Max	MonetaryAmount The currency value of a transaction or item.	decimal	M	1	UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.	string	M	1	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
Name	Type	Use	Max														
MonetaryAmount The currency value of a transaction or item.	decimal	M	1														
UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.	string	M	1														
CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1														
parent(s)	Pricing																

WellIdentifier

A unique identifier referencing a well, such as an UWI number.

note																					
level	OrderCreateProperties OrderCreateDetails																				
parent(s)	WellInformation																				
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Fixed</th> </tr> </thead> <tbody> <tr> <td>wellIdentifierIndicator A code to indicate the origin of the Well Identifier.</td> <td>string</td> <td>O</td> <td></td> </tr> <tr> <td>Number</td> <td>CustomerNumber</td> <td></td> <td></td> </tr> <tr> <td>UWIDNumber</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Fixed	wellIdentifierIndicator A code to indicate the origin of the Well Identifier.	string	O		Number	CustomerNumber			UWIDNumber				Other			
Name	Type	Use	Fixed																		
wellIdentifierIndicator A code to indicate the origin of the Well Identifier.	string	O																			
Number	CustomerNumber																				
UWIDNumber																					
Other																					

WellInformation

A collection of elements detailing information about a well.

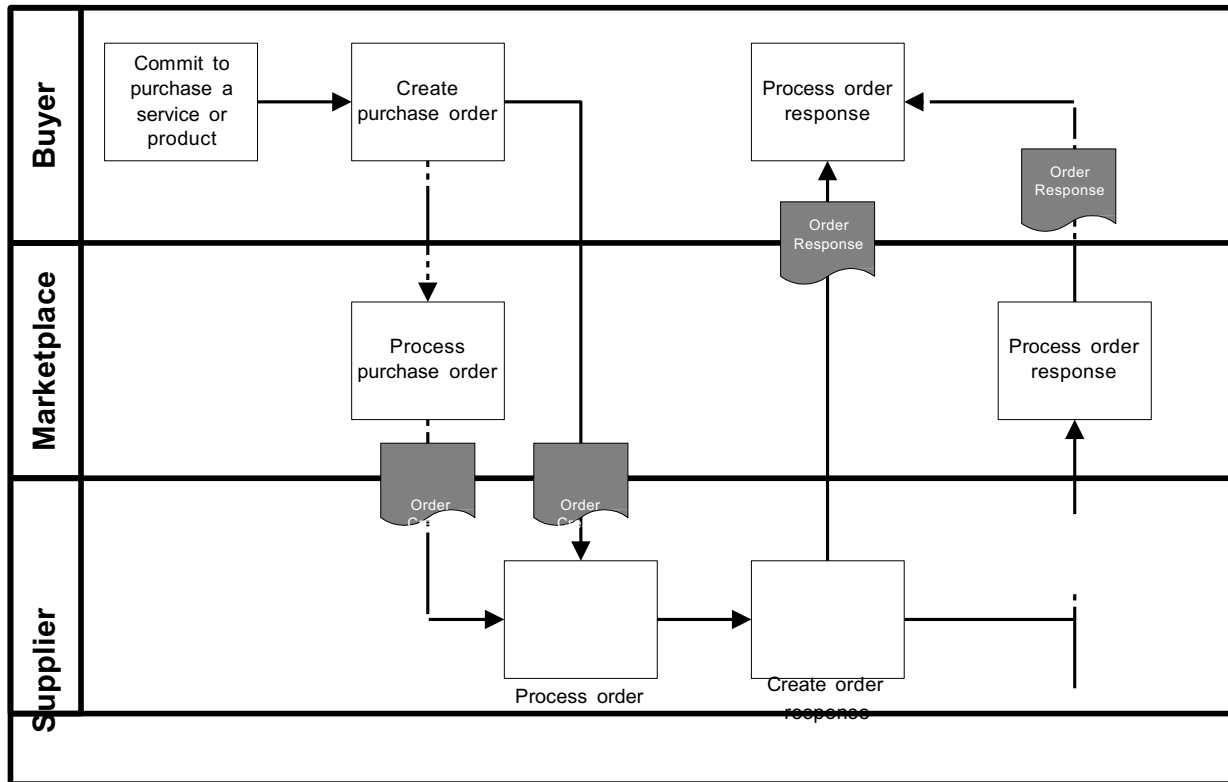
note	
level	OrderCreateProperties OrderCreateDetails

children	Name	Type	Use	Max
	WellIdentifier A unique identifier referencing a well, such as an UWI number.	string	M	U
	WellName The customer name of a well.	string	O	1
	WellType A code indicating the function of the well.	string	O	1
	Brine	DirectionalGas		
	DirectionalNonWell	DirectionalOil		
	DisposalWell	Environmental		
	Gas	HorizontalGas		
	HorizontalOil	IndustrialDisposal		
	IndustrialNonWell	Injection		
	NonWell	Oil		
	Relief	Storage		
	Sulfur	Thermal		
	Uranium	Water		
	Other			
	WellCategory A code indicating the category of a well.	string	O	1
	Abandoned	DevBelow3000		
	Development	ExistingWell		
	NonWell	ReacidizeWell		
	Recompletion	RefractedWell		
	Wildcat	Workover		
	Other			
	parent(s)	JobLocationInformation		

10.0 Order Response

10.1 Business Process Diagram

Below is the Business Process Diagram for the Order Response transaction, using either a B2B or Marketplace model. Solid lines indicate transactions between a Buyer and Seller directly. Dashed lines illustrate the transactions between the Buyer and Seller via a Marketplace. These are not the only two methods in which the process can take place, however, they represent the two primary processes. Third parties other than a Marketplace may be involved if necessary.



B2B Model - A Buyer or buying organization makes a commitment to purchase a service or complex product. A purchase order is created and sent to the Seller. The Seller processes the order and sends a response to the Buyer either accepting or denying the terms of the order.

Marketplace Model - A Buyer or buying organization makes a commitment to purchase a service or

complex product. A purchase order is created on a Marketplace and sent to the Seller. The Seller processes the order and sends a response to the Buyer through the Marketplace either accepting or denying the terms of the order.

The Order Response document is used as a response from a Buyer's request for an order. The response allows the Seller to accept, change, or deny parts or all of the order.

10.2 Legend to Tables

The following tables detail the elements and attributes that make up the Order Response. The legend below provides guidance to understanding the element tables. The legend is an example only and is not part of the document standard data.

Telephone ¹ ²

A collection of elements detailing information about a telephone number.

³ note							
level	OrderCreateProperties OrderCreateDetails						
children	⁵ Name PhoneNumber A numerical sequence to reach a telephone attached to a communication network. PhoneNumberExtension An extension number that is needed to further identify the phone number. TelecomCountryCode The dialing code from another country to access the telephone network in another country. TelecomAreaCode The area code within a country or jurisdiction, if needed, to access local telephones within the country.	⁶	⁷	Type	Use	Max	
				string	M	1	
				string	O	1	
				string	O	1	
				string	O	1	
parent(s)	ContactInformation						
attributes	¹⁰ Name telephoneIndicator A code to indicate the type of phone number being given. Fax <input type="checkbox"/> Mobile Pager <input type="checkbox"/> Voice Other <input type="checkbox"/>	¹¹	¹⁴	¹²	Type	Use	Fixed
				¹³ string	O		

Legend	
1	The name of the element.
2	The definition of the element.
3	Contains any business rules or comments about the element
4	Identifies whether or not the element is under the Property, Detail, or Summary level of the document
5	Contains the name of the child elements and their definitions. Those elements in blue are links to the element specification. Only those elements that contain children or attributes are hyperlinked.
6	Indicates the data type of the element.
7	Indicates whether the element is mandatory (M) or optional (O).
8	Indicates whether the element can have a maximum of one occurrence (1) or unbounded multiple occurrences (U)
9	Indicates the parent element of the element.

10	Contains the name of any attributes and their definitions.
11	Indicates the data type of the attribute. If the type is blank, then the element contains children rather than data.
12	Indicates whether the attribute is mandatory (M) or optional (O).
13	Provides a fixed value for the attribute.
14	The shaded areas provide either code list values, rules, or notes about the child element or attribute.

The document, its properties, details, line item, sub-line item, and summary elements are presented first. They are followed by an alphabetical listing of those elements used in the document and have children or attributes.

10.3 Document Detail

OrderResponse

The root element of the Order Response message. It is used to acknowledge a previously placed order or change order.

note		Type	Use	Max
children	Name			
	OrderResponseProperties		M	1
	A collection of elements defining the response "meta-data" or "common data".			
	OrderResponseDetails		M	1
	A collection of elements defining the details of the Order Response message.			
	OrderResponseSummary		M	1
	A collection of elements detailing the totals of the response.			
attributes	Name	Type	Use	Fixed
	transactionPurposeIndicator	string	M	
	A code indicating the purpose of the transaction.			
	Add			
	Cancellation	Change		
	Confirmation	Delete		
	Duplicate	Original		
	Replace	Request		
	Other			
	version	decimal	M	1.0
	A fixed number indicating the version of the PIDX XML Standard on which the transaction is based.			

OrderResponseProperties

A collection of elements defining the response "meta-data" or "common data".

note	
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children	Name	Type	Use	Max
	OrderResponseNumber A unique identifier for an Order Response message.	string	M	1
	OrderResponseDate The date upon which an acknowledgement was created or deemed to have been issued. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	M	1
	PartnerInformation A collection of elements detailing partner information.		O	U
	PurchaseOrderInformation A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.		M	1
	ChangeOrderInformation A collection of elements which identifies a particular Change Order.		O	1
	AcknowledgementType A code identifying the kind of acknowledgement being sent.	string	O	1
	SpecialInvoicePreference A code indicating any special invoice requirements.	string	O	1
	InvoiceNotRequired			
	Other			
	PrimaryCurrency The currency code indicating the currency to be used for the transaction.		O	1
	SecondCurrency The currency code indicating a second currency, such as for European countries using the Euro and a local currency.		O	1
	LanguageCode A code indicating the language used for the transaction. Use the codelist from ISO 639-2:1998 Codes for the representation of names of languages – Part 2: Alpha-3 Code.	string	O	1
	JobLocationInformation A collection of elements giving details of a job location.		O	1
	ServiceDateTime The actual and/or schedule dates for a service.	datetime	O	U
	CountryOfOrigin The country where product originates or is deemed to have originated.		O	1
	CountryOfFinalDestination The country where product is ultimately delivered or is deemed to have been delivered.		O	1
	TransportInformation A code indicating the mode of transportation used to move product.		O	1
	PaymentTerms A collection of elements detailing payment terms information.		O	1
	CreditCardInformation A collection of elements defining the details of a credit card.		O	1
	SpecialInstructions A free-form textual description of special requirements.	string	O	U
	ReferenceInformation		O	U

	A collection of elements detailing references to information that reside outside of the current transaction message. Attachment		O	U
	A collection of elements defining the details of an attachment to the document. Comment	string	O	1
parent(s)	OrderResponse			

OrderResponseDetails

A collection of elements defining the details of the Order Response message.

note				
children	Name	Type	Use	Max
	OrderResponseLineItem		M	U
	A collection of elements defining the details of the line items making up the response.			
parent(s)	OrderResponse			

OrderResponseLineItem

A collection of elements defining the details of the line items making up the response.

note	
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children	Name	Type	Use	Max
	PurchaseOrderLineItemNumber A sequential individual line identifier within a purchase order document containing product or item information.	string	M	1
	LineStatusCode A code which indicates the whether a line item has been approved, rejected, or is pending. Accept Pending Reject Other	string	M	1
	LineResponseReasonCode A code indicating the response to the line item, such as accepted, rejected, etc.	string	M	1
	<u>LineItemInformation</u> A collection of elements detailing identifying information about a line item.		M	1
	<u>OrderQuantity</u> The number of units of an item or service ordered.		M	1
	ChangeDescription A free-form textual description of changes made.	string	O	1
	<u>CommodityCode</u> A code indicating the categorization of a product or service in accordance with a particular standard.	string	O	U
	<u>PartnerInformation</u> A collection of elements detailing partner information.		O	U
	<u>JobLocationInformation</u> A collection of elements giving details of a job location.		O	1
	<u>Pricing</u> A collection of elements detailing price information.		O	1
	<u>AllowanceOrCharge</u> A collection of elements defining the details of an allowance or charge to the customer.		O	U
	<u>Tax</u> A collection of elements detailing information about tax applied to a transaction.		O	U
	<u>LineItemTotal</u> The net total monetary amount for the line item.		O	1
	<u>ServiceDateTime</u> The actual and/or schedule dates for a service.	datetime	O	U
	<u>CountryOfOrigin</u> The country where product originates or is deemed to have originated.		O	1
	<u>CountryOfFinalDestination</u> The country where product is ultimately delivered or is deemed to have been delivered.		O	1
	<u>TransportInformation</u> A code indicating the mode of transportation used to move product.		O	1
	<u>PaymentTerms</u> A collection of elements detailing payment terms information.		O	1
	<u>CreditCardInformation</u> A collection of elements defining the details of a credit card.		O	1

	<p><u>SpecialInstructions</u> string O U</p> <p>A free-form textual description of special requirements.</p> <p>PackagingCharacteristicCode string O U</p> <p>A code indicating the marking, packaging, loading and related characteristics being described.</p> <p>PackageSpecifications</p> <p>ProductMarking SkidPalletType</p> <p>TypeOfPackage Other</p> <p>PackagingCharacteristicDescription string O U</p> <p>Free-form text providing any additional information associated with the Packaging Characteristic Code.</p> <p><u>ReferenceInformation</u> O U</p> <p>A collection of elements detailing references to information that reside outside of the current transaction message.</p> <p><u>Attachment</u> O U</p> <p>A collection of elements defining the details of an attachment to the document.</p> <p>Comment string O 1</p> <p>A free-form textual structure for general information or comments.</p> <p><u>OrderResponseSubLineItem</u> O U</p> <p>A collection of elements defining the details of the sub line items of a response. It is used if a line item needs to be broken down into further detail.</p>
parent(s)	<u>OrderResponseDetails</u>

OrderResponseSubLineItem

A collection of elements defining the details of the sub line items of a response. It is used if a line item needs to be broken down into further detail.

note	
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children	Name	Type	Use	Max
	PurchaseOrderSubLineItemNumber	string	M	1
	A sequential individual sub-line identifier within an Order Create document containing product or item information that relates back to a parent line item.			
	LineStatusCode	string	M	1
	A code which indicates the whether a line item has been approved, rejected, or is pending.			
	Accept	Pending		
	Reject	Other		
	LineResponseReasonCode	string	M	1
	A code indicating the response to the line item, such as accepted, rejected, etc.			
	LineItemInformation		M	1
	A collection of elements detailing identifying information about a line item.			
	OrderQuantity		M	1
	The number of units of an item or service ordered.			
	ChangeDescription	string	O	1
	A free-form textual description of changes made.			
	CommodityCode	string	O	U
	A code indicating the categorization of a product or service in accordance with a particular standard.			
	PartnerInformation		O	U
	A collection of elements detailing partner information.			
	JobLocationInformation		O	1
	A collection of elements giving details of a job location.			
	Pricing		O	1
	A collection of elements detailing price information.			
	AllowanceOrCharge		O	U
	A collection of elements defining the details of an allowance or charge to the customer.			
	Tax		O	U
	A collection of elements detailing information about tax applied to a transaction.			
	LineItemTotal		O	1
	The net total monetary amount for the line item.			
	ServiceDateTime	datetime	O	U
	The actual and/or schedule dates for a service.			
	CountryOfOrigin		O	1
	The country where product originates or is deemed to have originated.			
	CountryOfFinalDestination		O	1
	The country where product is ultimately delivered or is deemed to have been delivered.			
	TransportInformation		O	1
	A code indicating the mode of transportation used to move product.			
	PaymentTerms		O	1
	A collection of elements detailing payment terms information.			
	CreditCardInformation		O	1
	A collection of elements defining the details of a credit card.			

	<p>SpecialInstructions string O U</p> <p>A free-form textual description of special requirements.</p> <p>PackagingCharacteristicCode string O U</p> <p>A code indicating the marking, packaging, loading and related characteristics being described.</p> <p>PackageSpecifications</p> <p>ProductMarking SkidPalletType</p> <p>TypeOfPackage Other</p> <p>PackagingCharacteristicDescription string O U</p> <p>Free-form text providing any additional information associated with the Packaging Characteristic Code.</p> <p>ReferenceInformation O U</p> <p>A collection of elements detailing references to information that reside outside of the current transaction message.</p> <p>Attachment O U</p> <p>A collection of elements defining the details of an attachment to the document.</p> <p>Comment string O 1</p> <p>A free-form textual structure for general information or comments.</p>
parent(s)	OrderResponseLineItem

OrderResponseSummary

A collection of elements detailing the totals of the response.

note				
children	<p>Name</p> <p>TotalLineItems integer M 1</p> <p>The total number of line items contained in a message.</p> <p>TotalAmount O 1</p> <p>The total monetary amount of an order.</p>			
parent(s)	OrderResponse			

AddressInformation

A collection of elements defining the details of an address.

note				
level	OrderResponseProperties OrderResponseDetails			
children	<p>Name</p> <p>POBoxNumber The identity of a physical box within a postal facility to accept and receive mail.</p> <p>BuildingHouseNumber The alphanumeric identifier of a building as a part of an address.</p> <p>StreetName The name of a street as part of an address.</p> <p>AddressLine An occurrence of a generally accepted formatted line of data such that when combined with the entire address structure there is sufficient information for delivery or location purposes.</p> <p>CityName The name of the city or municipality.</p> <p>StateProvince The name of the municipality or town as a location for mailing, siting and other geographic functions.</p> <p>PostalCode The code assigned by local postal authorities to delivery addresses.</p> <p>PostalCountry The country code indicating the country to which mail should be delivered.</p> <p>CountyName The name of the county.</p> <p>LocationIdentifier A unique identifier for a physical location.</p>	<p>Type</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p>	<p>Use</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p>	<p>Max</p> <p>1</p> <p>1</p> <p>1</p> <p>U</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
parent(s)	JobLocationInformation Location PartnerInformation TaxLocation			

AllowanceOrCharge

A collection of elements defining the details of an allowance or charge to the customer.

note	If AllowanceOrCharge is used, then at least one of AllowanceOrChargeRate, AllowanceOrChargeTotalAmount, or AllowanceOrChargePercent is required.
level	OrderResponseDetails

children	Name	Type	Use	Max
	AllowanceOrChargeTotalAmount The total monetary amount for the allowance or charge.		0	1
	AllowanceOrChargeRate The rate per unit of the allowance or charge.		0	1
	AllowanceOrChargePercent The allowance or charge expressed as a percentage.	decimal	0	1
	AllowanceOrChargeNumber The identifier assigned by a vendor referencing an allowance, promotion, deal or charge.	string	0	1
	AllowanceOrChargeTypeCode A code identifying the kind of allowance or charge being described.	string	0	1
	Freight			
	FuelSurcharge			
	SpecialHandlingService			
	Discount			
	FlatRate			
	EngineeringCharge			
	InvoiceAdjustment			
	InsuranceSurcharge			
	OneTimeLicenseFee			
	Royalties			
	MiscellaneousCharge			
	PostageCharge			
	TrailerRentalCharge			
	TransportationDirectBilling			
	TransportationVendorProvided			
	Other			
	MethodOfHandlingCode A code which describes how a particular allowance or charge should be handled.	string	0	1
	OffInvoice			
	ChargeToBePaidByCustomer			
	Other			
	AllowanceOrChargeDescription A free form description used to clarify the related allowance and charge data elements and their content.	string	0	1
	AllowanceOrChargeQuantity The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.		0	1
parent(s)	OrderResponseLineItem OrderResponseSubLineItem			

attributes	Name	Type	Use	Fixed
	allowanceOrChargeIndicator A code to indicate whether the information relates to an allowance or charge.	string	M	
	Allowance			
	Charge			
	Other			

AllowanceOrChargePercent

The allowance or charge expressed as a percentage.

note				
level	OrderResponseDetails			
parent(s)	AllowanceOrCharge			
attributes	Name	Type	Use	Fixed
	percentIndicator A code indicating on what basis the allowance or charge percent is calculated.	string	O	

AllowanceOrChargeQuantity

The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.

note				
level	OrderCreateDetails OrderResponseDetails OrderChangeDetails			
children	Name	Type	Use	Max
	Quantity A numeric count of measure.	decimal	M	1
	UnitOfMeasureCode A code identifying the units in which measurement is expressed.	string	M	1
parent(s)	AllowanceOrCharge			

AllowanceOrChargeRate

The rate per unit of the allowance or charge.

note				
level	OrderResponseDetails			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	UnitOfMeasureCode A code identifying the units in which measurement is expressed.	string	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
parent(s)	AllowanceOrCharge			

AllowanceOrChargeTotalAmount

The total monetary amount for the allowance or charge.

note				
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level	OrderResponseDetails			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies	string	O	1

AlternativeCommunicationMethod

Additional methods of communication, such as an IP Address or Printer ID, in addition to those specifically listed elsewhere in contact or address information.

note																																									
level	OrderResponseProperties OrderResponseDetails																																								
parent(s)	ContactInformation																																								
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Fixed</th> </tr> </thead> <tbody> <tr> <td>alternativeCommunicationMethodIndicator</td> <td>string</td> <td>M</td> <td></td> </tr> <tr> <td colspan="4">A code to indicate the type of alternative communication method.</td> </tr> <tr> <td>AUTOVON</td> <td></td> <td></td> <td></td> </tr> <tr> <td>EDIAccessNumber</td> <td></td> <td></td> <td></td> </tr> <tr> <td>FederalTelecommunicationsSystem</td> <td>IPAddress</td> <td></td> <td></td> </tr> <tr> <td>PacketSwitching</td> <td>PrinterID</td> <td></td> <td></td> </tr> <tr> <td>StationCode</td> <td>Telemail</td> <td></td> <td></td> </tr> <tr> <td>Telex</td> <td>TWX</td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Fixed	alternativeCommunicationMethodIndicator	string	M		A code to indicate the type of alternative communication method.				AUTOVON				EDIAccessNumber				FederalTelecommunicationsSystem	IPAddress			PacketSwitching	PrinterID			StationCode	Telemail			Telex	TWX			Other			
Name	Type	Use	Fixed																																						
alternativeCommunicationMethodIndicator	string	M																																							
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FederalTelecommunicationsSystem	IPAddress																																								
PacketSwitching	PrinterID																																								
StationCode	Telemail																																								
Telex	TWX																																								
Other																																									

Attachment

A collection of elements defining the details of an attachment to the document.

note	
level	OrderResponseProperties OrderResponseDetails

	Name	Type	Use	Max
children	AttachmentPurposeCode	string	0	1
	A code to indicate the purpose of the attachment.			
	Template			
	Other			
	FileName	string	0	1
	The name of the file in an attachment.			
	AttachmentTitle	string	0	1
	The title of the attachment.			
	AttachmentDescription	string	0	1
A free-form textual description of the attachment.				
	FileType	string	0	1
The type of the file in an attachment.				
	AttachmentLocation	string	0	1
The location of the attachment, such as a URL.				
parent(s)	OrderResponseLineItem OrderResponseProperties OrderResponseSubLineItem			

Block

A collection of elements defining the details of a block, which identifies a location.

note				
level	OrderResponseProperties OrderResponseDetails			
children	Name	Type	Use	Max
	BlockName	string	O	1
	The name of the block, which identifies a location.			
	OCSGNumber	string	O	1
	The Outer Continental Shelf Gulf number.			
	StateLease	string	O	1
	Lease on state land.			
parent(s)	GeographicalInformation			

ChangeOrderInformation

A collection of elements which identifies a particular Change Order.

note				
level	OrderResponseProperties			
children	Name	Type	Use	Max
	OrderChangeNumber	string	M	1
	A unique identifier for an Order Change message.			
	OrderChangeDate	date	M	1
	The date upon which a change order was created or deemed to have been issued. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.			
	PurchaseOrderTypeCode	string	O	1
	A code indicating the kind of purchase order.			
	Confirmation ReleaseOrDeliveryOrder StandAloneOrder SupplyOrServiceOrder	EmergencyOrder RushOrder Other		
	SalesOrderNumber	string	O	1
	The identifier assigned by a supplier to an order placed by a customer.			
SequenceNumber	integer	O	1	
A number to identify the change or revision against an order. The first change submitted for an order would have a value of 1, the second 2, and so on.				
parent(s)	OrderResponseProperties			

CommodityCode

A code indicating the categorization of a product or service in accordance with a particular standard.

note				
level	OrderResponseDetails			
parent(s)	OrderResponseLineItem OrderResponseSubLineItem			
attributes	Name	Type	Use	Fixed

	<p>agencyindicator A code indicating what agency or organization is responsible for defining the commodity code list</p>	<p>string 0</p>
--	--	-----------------

ContactIdentifier

The identifier of the contact person or department.

note				
level	OrderResponseProperties OrderResponseDetails			
parent(s)	ContactInformation			
attributes	Name	Type	Use	Fixed
	contactIdentifierIndicator	string	0	
	A code to identify the origin of the contact identifier.			
	AssignedByBuyer			
	AssignedBySeller	EmployeeID		
	Other			

ContactInformation

A collection of elements defining details of communication for a contact person.

note	It is recommended that ContactInformation be used at either the Property or Detail level, but not both.			
level	OrderResponseProperties OrderResponseDetails			
children	Name	Type	Use	Max
	ContactIdentifier	string	0	1
	The identifier of the contact person or department.			
	ContactName	string	0	1
	The name of the contact person within the organization.			
	ContactDescription	string	0	1
	A free-form textual description of the contact.			
	Telephone		0	U
	A collection of elements detailing information about a telephone number.			
	EmailAddress	string	0	1
	The address assigned to a person or organization to receive electronic messages.			
	AlternativeCommunicationMethod	string	0	U
	Additional methods of communication, such as an IP Address or Printer ID, in addition to those specifically listed elsewhere in contact or address information.			
parent(s)	PartnerInformation			

attributes	Name	Type	Use	Fixed
	contactInformationIndicator	string	M	
	A code indicating the function of the contact.			
	BuyerDepartment	DeliveryContact		
	DesignEngineer	Engineer		
	EnteredBy			
	FieldRepresentative			
	OfficeRepresentative			
	OrderContact	PurchasingAgent		
	QuotePreparer	QuoteRequestor		

	R Conta
	-salesRepresentative:
	-serviceCoordinator
	technicalMarketingRepresentative:
	Other

CountryOfFinalDestination

The country where product is ultimately delivered or is deemed to have been delivered.

note				
level	OrderResponseProperties OrderResponseDetails			
children	Name CountryCode A code indicating a country. Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.	Type string	Use M	Max 1
parent(s)	OrderResponseLineItem OrderResponseProperties OrderResponseSubLineItem			

CountryOfOrigin

The country where product originates or is deemed to have originated.

note				
level	OrderResponseProperties OrderResponseDetails			
children	Name CountryCode A code indicating a country. Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.	Type string	Use M	Max 1
parent(s)	OrderResponseLineItem OrderResponseProperties OrderResponseSubLineItem			

CreditCardInformation

A collection of elements defining the details of a credit card.

note				
level	OrderResponseProperties OrderResponseDetails			

children	Name	Type	Use	Max
	CreditCardNumber The number identifying the credit card account.	integer	M	1
	CardHolderName The name of the party to whom the credit card is registered.	string	O	1
	CreditCardType The type of credit card as generally identified by financial institutions.	string	O	1
	CreditCardExpirationDate The date upon which a credit card expires and is no longer valid. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	O	1
	CardAuthorizationCode The authorization number assigned to a transaction against a credit card.	string	O	1
	CardReferenceNumber A customer reference number which is used to enable transmission of customer	string	O	1

	specific initialization with the card.
parent(s)	<pre>OrderResponseProperties <OrderResponseProperties></pre>

Deferred

The terms for a deferred payment in relation to a transaction.

note				
level	OrderResponseProperties OrderResponseDetails			
children	Name	Type	Use	Max
	DeferredAmount		O	1
	The monetary amount that is deferred for payment based upon terms in an invoice, contract or agreement.			
	DeferredDueDate	date	O	1
	The date upon which a deferred payment is due. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.			
children	PercentDeferredPayable	decimal	O	1
	The amount due that is deferred for payment expressed as a percentage.			
	Description	string	O	1
A free-form textual explanation or clarification.				
parent(s)	PaymentTerms			

DeferredAmount

The monetary amount that is deferred for payment based upon terms in an invoice, contract or agreement.

note				
level	OrderResponseProperties OrderResponseDetails			
children	Name	Type	Use	Max
	MonetaryAmount	decimal	M	1
	The currency value of a transaction or item.			
children	CurrencyCode	string	O	1
	A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.			
parent(s)	Deferred			

DiscountAmount

The monetary amount of a discount based upon payment terms.

note				
level	OrderResponseProperties OrderResponseDetails			

children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
parent(s)	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
	Discounts			

Discounts

The monetary amount allowed or applied as a credit against a transaction or balance.

note				
level	OrderResponseProperties OrderResponseDetails			
children	Name DaysDue The number of days from the payment terms basis date before a discount expires. DiscountsDueDate The date upon which a discount expires. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day. PercentDiscount A discount to be applied to the transaction expressed as a percentage. DiscountAmount The monetary amount of a discount based upon payment terms. Description A free-form textual explanation or clarification.	Type integer date decimal string	Use O O O O	Max 1 1 1 1
parent(s)	PaymentTerms			

EffectiveDates

The period of time (or range) where the information is valid or guaranteed.

note				
level	OrderResponseProperties OrderResponseDetails			
children	Name FromDate The date upon which a time period begins. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day. ToDate The date upon which a time period ends. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	Type date date	Use M M	Max 1 1
parent(s)	TaxInformation			

GeographicalInformation

A collection of elements defining a geographical location.

note	If any one of Section, Township, or Range is given then the other two are required.			
level	OrderResponseProperties OrderResponseDetails			
children	Name	Type	Use	Max
	FieldName	string	O	1
	The name of the oil field.			
	Section	string	O	1
	A part of Section/Township/Range location identifier scheme.			
	Township	string	O	1
	A part of Section/Township/Range location identifier scheme.			
	Range	string	O	1
A part of Section/Township/Range location identifier scheme.				
Region	string	O	1	
The name of a geographic region.				
Block			O	1
A collection of elements defining the details of a block, which identifies a location.				
GPSCoordinates			O	1
A collection of elements containing latitude and longitude data for a specific location.				
parent(s)	JobLocationInformation Location			

GPSCoordinates

A collection of elements containing latitude and longitude data for a specific location.

note				
level	OrderResponseProperties OrderResponseDetails			
children	Name	Type	Use	Max
	Latitude	string	M	1
	The specified latitude of a location.			
Longitude	string	M	1	
The specified longitude of a location.				
parent(s)	GeographicalInformation			

HazardousMaterialClassCode

A code indicating the kind of hazard for a material.

note	
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level	OrderResponseProperties OrderResponseDetails			
parent(s)	HazardousMaterials			
attributes	Name	Type	Use	Fixed
	hazardousMaterialIndicator	string	M	
	A code which qualifies the Hazardous Material Class Code.			

HazardousMaterials

A collection of elements conveying hazardous goods information related to a product.

note	If HazardousMaterials is used, then at least one of SpecialHandlingCode or HazardousMaterialDescription is required.			
level	OrderResponseProperties OrderResponseDetails			
children	Name	Type	Use	Max
	SpecialHandlingCode	string	0	1
	A code identifying any special transportation handling instructions			
	HazardousMaterialDescription	string	0	1
A free-form textual explanation of information related to a hazardous shipment.				
HazardousMaterialClassCode	string	0	U	
A code indicating the kind of hazard for a material.				
parent(s)	TransportInformation			

JobLocationIdentifier

A unique identifier referencing the job location.

note				
level	OrderResponseProperties OrderResponseDetails			
parent(s)	JobLocationInformation			
attributes	Name	Type	Use	Fixed
	jobLocationIdentifierIndicator	string	0	
	A code to define what type of location the identifier is referencing.			
	ChemicalPlant	Coal-		
	Degas	CogenerationPlant		
	Construction	Dock		
	GasPlant			
	IndustrialServiceMiscellaneous			
	MilitaryGovernment	PaperMill		
	PetroleumPlant	Pipeline		
	Refinery	Rig		
	UtilityPlant			
	Other			

JobLocationInformation

A collection of elements giving details of a job location.

note	
level	OrderResponseProperties OrderResponseDetails

children	Name	Type	Use	Max
	JobLocationIdentifier A unique identifier referencing the job location.	string	0	U
	JobLocationClassCode A code indicating the class of the job location.	string	0	1
	FederalWaters Land InlandWaters StateWaters Other			
	JobLocationDescription A free-form textual description of the job location.	string	0	1
	JobLocationStatus A code indicating whether a location is active or inactive.	string	0	1
	Inactive Active Other			
	WellInformation A collection of elements detailing information about a well.		0	1
	JobSiteCategory A code indicating the kind of site on which the job is located.	string	0	1
	Boiler CivilHighways Compression Condenser ConstructPiles Dams HeatExchanger IndustrialServiceMiscellaneous Piping Production TowerVessel Turbine UndergroundStr Other			
	AddressInformation A collection of elements defining the details of an address.		0	1
	GeographicalInformation A collection of elements defining a geographical location.		0	1
parent(s)	OrderResponseLineItem OrderResponseProperties OrderResponseSubLineItem			

LinItemIdentifier

The unique identifier for a product or service making up the line item.

note				
level	OrderResponseDetails			
parent(s)	LinItemInformation			
attributes	Name	Type	Use	Fixed
	identifierIndicator	string	M	
	A code to indicate the origin of the identifier.			
	AssignedByBuyer			
	AssignedByManufacturer			
	AssignedBySeller			
	CatalogueNumber	UPCNumber		
	Other			

LinItemInformation

A collection of elements detailing identifying information about a line item.

note				
level	OrderResponseDetails			
children	Name	Type	Use	Max
	LinItemIdentifier	string	O	U
	The unique identifier for a product or service making up the line item.			
	LinItemName	string	O	1
	The name of the product or service in the line item.			
	LinItemDescription	string	O	1
	A free-form textual description of the line item.			
	ManufacturerIdentifier	string	O	1
A unique identifier for a manufacturer.				
parent(s)	OrderResponseLinItem OrderResponseSubLinItem			

LinItemTotal

The net total monetary amount for the line item.

note				
level	OrderResponseDetails			
children	Name	Type	Use	Max
	MonetaryAmount	decimal	M	1
	The currency value of a transaction or item.			
	CurrencyCode	string	O	1
	A code indicating the currency in which the monetary amount is specified.			

	Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.
parent(s)	OrderResponseLineItem OrderResponseSubLineItem

Location

A collection of elements giving details about a location.

note					
level	OrderResponseProperties OrderResponseDetails				
children	Name	Type	Use	Max	
	LocationIdentifier	string	O	1	
	A unique identifier for a physical location.				
	LocationName	string	O	1	
	The name of the location being referenced.				
	AddressInformation		O	1	
children	A collection of elements defining the details of an address.				
	GeographicalInformation		O	1	
	A collection of elements defining a geographical location.				
	LocationDescription	string	O	1	
Free-form textual description of the location.					
parent(s)	TransportInformation				
attributes	Name	Type	Use	Fixed	
	locationIndicator	string	O		
	A code to identify what kind of location is being referenced. FreightEqualizationPoint				
	OnVessel-FOBPoint				
	AssignedBySeller				
	Origin-AfterLoadingOnEquipment				
	Origin-ShippingPoint				
	Plant				
	ShippingDestination				
	Warehouse				
	Other				

MeasurementRange

A collection of elements providing a minimum and maximum measurement to create a range.

note					
level	OrderResponseProperties OrderResponseDetails				
children	Name	Type	Use	Max	
	MinimumMeasurement	decimal	M	1	
	The smallest measurement in a given range.				
children	MaximumMeasurement	decimal	M	1	
	The largest measurement in a given range.				
parent(s)	PriceBasis				

OrderQuantity

The number of units of an item or service ordered.

note				
level	OrderResponseDetails			
children	Name	Type	Use	Max
	Quantity	decimal	M	1

	A numeric count of measure. UnitOfMeasureCode string M 1 A code identifying the units in which measurement is expressed.
parent(s)	OrderResponseLineItem OrderResponseSubLineItem

PartnerIdentifier

A unique identifier indicating a particular partner or organization.

note																									
level	OrderResponseProperties OrderResponseDetails																								
parent(s)	PartnerInformation																								
attributes	<table border="0"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Fixed</th> </tr> </thead> <tbody> <tr> <td>partnerIdentifierIndicator</td> <td>string</td> <td>M</td> <td></td> </tr> <tr> <td colspan="4">A code to identify the origin of the Partner Identifier.</td> </tr> <tr> <td>AssignedByBuyer</td> <td></td> <td></td> <td></td> </tr> <tr> <td>AssignedBySeller</td> <td>DUNSNumber</td> <td></td> <td></td> </tr> <tr> <td>DUNS+4Number</td> <td>Other</td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Fixed	partnerIdentifierIndicator	string	M		A code to identify the origin of the Partner Identifier.				AssignedByBuyer				AssignedBySeller	DUNSNumber			DUNS+4Number	Other		
Name	Type	Use	Fixed																						
partnerIdentifierIndicator	string	M																							
A code to identify the origin of the Partner Identifier.																									
AssignedByBuyer																									
AssignedBySeller	DUNSNumber																								
DUNS+4Number	Other																								

PartnerInformation

A collection of elements detailing partner information.

note				
level	OrderResponseProperties OrderResponseDetails			
children	Name PartnerIdentifier A unique identifier indicating a particular partner or organization. PartnerName The name of the organization being referenced in Partner Information. AddressInformation A collection of elements defining the details of an address. ContactInformation A collection of elements defining details of communication for a contact person. TaxInformation A collection of elements detailing tax information about a partner. URL A Uniform Resource Locator indicating an internet address.	Type string string string string string string	Use M O O O O	Max U 1 1 U 1 1
parent(s)	OrderResponseLineItem OrderResponseProperties OrderResponseSubLineItem TransportInformation			

attributes	Name	Type	Use	Fixed
	partnerRoleIndicator	string	M	
	A code to indicate the role in this transaction of the partner being referenced.			
	BillAndShipTo			
	BillTo			
	Carrier			
	CommissionPayee			
	FinalRecipient			
	Manufacturer			
	Marketplace			
	MaterialIssuer			
	OnsiteContractingCompany			
	OperatingCompany			
	Payer			
	PrimaryContractor			
	RemitTo			
	Seller			
	ShipFromParty			
	ShipToParty			
	SoldTo			
	ThirdParty			
	Vendor			
	Warehouse			
	Other			

PaymentTerms

A collection of elements detailing payment terms information.

note	<p>If either one of PercentDiscount or DiscountAmount is used, then at least one of DiscountsDueDate or DaysDue is required.</p> <p>If DeferredDueDate is used, then at least one of DeferredAmountDue or PercentOfInvoicePayable is required.</p>			
level	<p>OrderResponseProperties</p> <p>OrderResponseDetails</p>			
children	Name	Type	Use	Max
	PaymentTermsOfSale	string	0	1
	The terms on which payment is calculated for the transaction.			
	Description	string	0	1
	A free-form textual explanation or clarification.			
	PaymentTermsBasisDateCode	string	0	1
	A code identifying the beginning of the terms period.			
	DeliveryDate InvoiceDate			
	InvoiceReceiptDate Other			
	PaymentTermsBasisDate	date	0	1
	The date from which payment terms or discounts are calculated or based.			
	Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.			
	TermsNetDays	integer	0	1
	The number of days until the total invoice amount is due (discount not applicable).			
	PercentOfInvoicePayable	decimal	0	1
	The amount of an invoice payable expressed as a percentage.			
	Discounts		0	1
	The monetary amount allowed or applied as a credit against a transaction or balance.			
	Deferred		0	1
	The terms for a deferred payment in relation to a transaction.			
	Penalty	string	0	1
	A percentage used to calculate the penalty on any balance unpaid by the due date.			
parent(s)	<p>OrderResponseLineItem</p> <p>OrderResponseProperties</p> <p>OrderResponseSubLineItem</p>			

PostalCountry

The country code indicating the country to which mail should be delivered.

note	
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level	OrderResponseProperties OrderResponseDetails			
children	Name CountryCode A code indicating a country. Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.	Type	Use	Max
		string	M	1
parent(s)	AddressInformation			

PriceBasis

A structure allowing for a price to be based on more than just a single unit of measure.

note				
level	OrderResponseDetails			
children	Name	Type	Use	Max
	Measurement	decimal	O	1
	A numeric value for technical or attribute data.			
	MeasurementRange		O	1
	A collection of elements providing a minimum and maximum measurement to create a range.			
children	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed.			
	BasisDescription	string	O	1
	Free-form textual description of the basis.			
parent(s)	Pricing			

Pricing

A collection of elements detailing price information.

note				
level	OrderResponseDetails			
children	Name	Type	Use	Max
	UnitPrice		M	1
	The unit price of the product or service being sold.			
children	PriceBasis		O	U
	A structure allowing for a price to be based on more than just a single unit of measure.			
parent(s)	OrderResponseLineItem OrderResponseSubLineItem			

PrimaryCurrency

The currency code indicating the currency to be used for the transaction.

note				
level	OrderResponseProperties			
children	Name	Type	Use	Max
	CurrencyCode	string	M	1
	A code indicating the currency in which the monetary amount is specified.			
	Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.			
parent(s)	OrderResponseProperties			

PurchaseOrderInformation

A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.

note				
level	OrderResponseProperties			
children	<p>Name</p> <p>PurchaseOrderNumber A unique identifier for an Order Create message.</p> <p>PurchaseOrderIssuedDate The date upon which an order was created or deemed to have been issued. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.</p> <p>PurchaseOrderTypeCode A code indicating the kind of purchase order. Confirmation EmergencyOrder ReleaseOrDeliveryOrder RushOrder StandAloneOrder SupplyOrServiceOrder Other</p> <p>ReleaseNumber A number identifying a release against a purchase order previously placed by the parties involved in the transaction. It is the equivalent to a work order number.</p> <p>SalesOrderNumber The identifier assigned by a supplier to an order placed by a customer.</p> <p>RevisionNumber A number indicating the version of the document. It is used if a message is resent in its entirety to replace an earlier version.</p>	Type	Use	Max
		string	M	1
		date	O	1
		string	O	1
		string	O	1
		string	O	1
		string	O	1
parent(s)	OrderResponseProperties			

ReferenceInformation

A collection of elements detailing references to information that reside outside of the current transaction message.

note	It is recommended that ReferenceInformation be used at either the Property or Detail level, but not both.			
level	OrderResponseProperties OrderResponseDetails			
children	Name	Type	Use	Max
	ReferenceNumber A number or identifier that is used to reference documents or information not included within a particular message. The referenceInformationIndicator attribute qualifies what this number references Description A free-form textual explanation or clarification.	string	M	1
parent(s)	OrderResponseLineItem OrderResponseProperties OrderResponseSubLineItem			
	Description A free-form textual explanation or clarification.			
		string	O	1

attributes	Name	Type	Use	Fixed
	referenceInformationIndicator	string	M	
	A code to identify what type of information is being referenced.			
	AFENumber	BatchNumber		
	BillOfLading	Certification		
	CertifiedInspectionTestResults			
	ConfigurationNumber			
	ContractNumber			
	CostAllocationReference	CostCenter		
	CustomerAccountingReference			
	CustomerReferenceNumber			
	DeliveryTicketNumber			
	DivisionIdentifier			
	EngineeringChangeOrderNumber	JobNumber		
	LetterOfCreditNumber			
	LocationNumber			
	MaterialSafetyDataSheet			
	OperatorGeneralLedgerCode			
	OriginalInvoiceNumber			
	PriceAreaNumber	ProjectNumber		
	ProposalNumber	QuoteNumber		
	RequestForQuotationNumber			
	TemplateName			
	Other			

SecondCurrency

The currency code indicating a second currency, such as for European countries using the Euro and a local currency.

note				
level	OrderResponseProperties			
children	Name	Type	Use	Max
	CurrencyCode	string	M	1
	A code indicating the currency in which the monetary amount is specified.			
	Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.			
parent(s)	OrderResponseProperties			

ServiceDateTime

The actual and/or schedule dates for a service.

note	<p>Format is CCYY-MM-DDThh:mm:ss where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day. The letter "T" is the date/time separator and "hh", "mm", "ss" represent hour, minute and second respectively.</p> <p>The CCYY field must have at least four digits, the MM, DD, SS, hh, mm and ss fields exactly two digits each. Leading zeroes must be used if the field would otherwise have too few digits.</p> <p>If no time is to be given then use zeroes in the hh, mm and ss fields.</p> <p>This representation may be immediately followed by a "Z" to indicate Coordinated Universal Time (UTC) or, to indicate the time zone, i.e. the difference between the local time and Coordinated Universal Time, immediately followed by a sign, + or -, followed by the difference from UTC represented as hh:mm (note: the minutes part is required). For example, to indicate 1:20 pm on May the 31st, 1999 for Eastern Standard Time which is 5 hours behind Coordinated Universal Time (UTC), one would write: 1999-05-31T13:20:00-05:00.</p>
level	OrderResponseProperties OrderResponseDetails
parent(s)	OrderResponseLineItem OrderResponseProperties OrderResponseSubLineItem

attributes	Name	Type	Use	Fixed
	dateTypeIndicator	string	M	
	A code to identify which date being given.			
	ArriveLocationDate	InvoiceDueDate		
	InvoicePeriodStartDate			
	LeaveLocationDate			
	PromisedForDelivery			
	PromisedForShipment			
	RequestedForDelivery			
	RequestedForShipment			
	ServicePeriodEnd			
	ServicePeriodStart	ShipDate		
	Other			

SpecialInstructions

A free-form textual description of special requirements.

note				
level	OrderResponseProperties OrderResponseDetails			
parent(s)	OrderResponseLineItem OrderResponseProperties OrderResponseSubLineItem			
attributes	Name	Type	Use	Fixed
	instructionIndicator	string	0	
	A code to identify the type of instruction being given.			
	CarrierInstructions			
	ConsigneeInstructions			
	DriverInstructions			
	EmptyReturnInstructions			
	InspectionInstructions			
	RoutingInstructions			
	ShipperInstructions	ShortLeadTime		
	Tolerances			
	Other			

Tax

A collection of elements detailing information about tax applied to a transaction.

note	It is recommended that Tax be used at the Detail level to support tax exemptions. However, many systems cannot provide detail-level Tax information at this time, therefore, Tax is not mandatory at the detail level.
level	OrderResponseDetails

children	Name	Type	Use	Max
	TaxTypeCode	string	M	1
	A code indicating the kind of tax being applied.			
	CitySalesTax			
	CountyParishSalesTax	CountyTax		
	FederalExciseTax			
	GoodsAndServicesTax			
	GrossReceiptsTax	LocalTax		
	MetropolitanTransitTax			
	StateAndLocalSalesTax			
	StateProvincialTax	StateSalesTax		
	ValueAddedTax	WellServiceTax		
	Other			
	MixedRateIndicator	string	O	1
	A mixed rate VAT tax indicator. This is used for European tax purposes.			
	TaxIdentifierNumber	string	O	1
	A unique number or code issued to an organization by a governmental or regulatory body identifying that entity for tax purposes.			
	TaxExemptCode	string	O	1
	A code identifying exemption status from sales and use tax.			
	DirectPay	Exempt		
	NonExempt	Other		
	<u>TaxLocation</u>		O	1
	The physical or deemed location at which tax is calculated based upon jurisdiction by a governmental or regulatory body.			
	TaxRate	decimal	O	1
	The percentage or monetary amount charged on a transaction.			
	<u>TaxBasisAmount</u>		O	1
	The monetary amount which is subject to tax.			
	<u>TaxAmount</u>		O	1
	The monetary amount of the tax.			
	TaxReference	string	O	1
	A free-form textual explanation or clarification.			
parent(s)	OrderResponseLineItem			
	OrderResponseSubLineItem			

TaxAmount

The monetary amount of the tax.

note				
level	OrderResponseDetails			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
	parent(s)	Tax		

TaxBasisAmount

The monetary amount which is subject to tax.

note				
level	OrderResponseDetails			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
	parent(s)	Tax		

TaxInformation

A collection of elements detailing tax information about a partner.

note				
level	OrderResponseProperties OrderResponseDetails			

children	Name	Type	Use	Max
	TaxIdentifierNumber A unique number or code issued to an organization by a governmental or regulatory body identifying that entity for tax purposes.	string	0	1
	Jurisdiction The authority exercised by a nation, a judicial body, or a legislative body over persons, places, and property. Jurisdiction may apply to the territory over which a nation has control, including the land area, the adjacent sea, and the airspace above. It may also refer to the authority of an international body to make decisions binding on national entities.	string	0	1
	TaxCertificateType The category of tax certificate for which an identifying number is issued.	string	0	1
	TaxCertificateNumber The identifying number for a tax certificate such as tax exemption, sales and use tax certificate or other such document.	string	0	1
parent(s)	PartnerInformation			

TaxLocation

The physical or deemed location at which tax is calculated based upon jurisdiction by a governmental or regulatory body.

note				
level	OrderResponseDetails			
children	Name	Type	Use	Max
	LocationIdentifier	string	O	1
	A unique identifier for a physical location.			
	LocationName	string	O	1
	The name of the location being referenced.			
children	LocationDescription	string	O	1
	Free-form textual description of the location.			
	AddressInformation		O	1
A collection of elements defining the details of an address.				
parent(s)	Tax			

Telephone

A collection of elements detailing information about a telephone number.

note				
level	OrderResponseProperties OrderResponseDetails			
children	Name	Type	Use	Max
	PhoneNumber	string	M	1
	A numerical sequence to reach a telephone attached to a communication network.			
	PhoneNumberExtension	string	O	1
	An extension number that is needed to further identify the phone number.			
children	TelecomCountryCode	string	O	1
	The dialing code from another country to access the telephone network in another country.			
	TelecomAreaCode	string	O	1
The area code within a country or jurisdiction, if needed, to access local telephones within the country.				
parent(s)	ContactInformation			
attributes	Name	Type	Use	Fixed
	telephoneIndicator	string	O	
	A code to indicate the type of phone number being given.			
	Fax <input type="checkbox"/> Mobile <input type="checkbox"/>			
Pager <input type="checkbox"/> Voice <input type="checkbox"/>				
Other <input type="checkbox"/>				

TotalAmount

The total monetary amount of an order.

note				
level	OrderResponseSummary			
children	Name	Type	Use	Max
	MonetaryAmount	decimal	M	1
	The currency value of a transaction or item.			

	CurrencyCode string 0 1 A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.
parent(s)	OrderResponseSummary

TransportInformation

A collection of elements detailing how product is transported.

note	If TransportInformation is used, then at least one of TransportMethodCode, Routing, or ServiceLevelCode is required.
level	OrderResponseProperties OrderResponseDetails

children	Name	Type	Use	Max
	ShipmentMethodOfPayment A code indicating payment terms for transportation charges.	string	M	1
	Collect Collect-			
	FreightCreditedBackToCustomer			
	CustomerPickupBackhaul Pickup			
	PrepaidBySeller Prepaid-			
	ChargedToCustomer ServiceFreight-			
	NoCharge ThirdPartyPay			
	Other			
	RoutingSequenceCode A code indicating the relationship of a carrier to a specific shipment movement.	string	O	1
	OriginCarrier-AirMotorOcean			
	OriginDeliveryCarrier-AnyMode			
	Other			
	TransportMethodCode A code indicating the mode of transportation used to move product.	string	O	1
	Air AirExpress			
	Barge BestWay-			
	ShippersOption Boat			
	CustomerPickup ExpeditedTruck			
	Motor-CommonCarrier Ocean			
	ParcelPost Rail			
	SupplierTruck Truck			
	Vessel Other			
	<u>PartnerInformation</u> A collection of elements detailing partner information.		O	U
	<u>Location</u> A collection of elements giving details about a location.		O	U
	ShipmentTermsCode A code indicating the terms under which a product is shipped, such as Freight Prepaid, FOB or similar.	string	O	1
	Routing A free-form description of the shipping route to be provided for transportation of product.	string	O	1
	ServiceLevelCode	string	O	1

	A code indicating the level of service required. HazardousMaterials O 1 A collection of elements conveying hazardous goods information related to a product.
	CarrierEquipmentCode string O 1 A code indicating the kind of equipment parent(s) the carrier.
	TransportName string O 1 The identifier of specific vessel, truck, railcar, etc.
parent(s)	OrderResponseLineItem OrderResponseProperties OrderResponseSubLineItem

UnitPrice

A collection of elements detailing how product is transported.

note																	
level	OrderResponseDetails																
children	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>MonetaryAmount The currency value of a transaction or item.</td> <td>decimal</td> <td>M</td> <td>1</td> </tr> <tr> <td>UnitOfMeasureCode A code identifying the units in which measurement is expressed.</td> <td>string</td> <td>M</td> <td>1</td> </tr> <tr> <td>CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.</td> <td>string</td> <td>O</td> <td>1</td> </tr> </tbody> </table>	Name	Type	Use	Max	MonetaryAmount The currency value of a transaction or item.	decimal	M	1	UnitOfMeasureCode A code identifying the units in which measurement is expressed.	string	M	1	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
Name	Type	Use	Max														
MonetaryAmount The currency value of a transaction or item.	decimal	M	1														
UnitOfMeasureCode A code identifying the units in which measurement is expressed.	string	M	1														
CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1														
parent(s)	Pricing																

WellIdentifier

A unique identifier referencing a well, such as an UWI number.

note																					
level	OrderResponseProperties OrderResponseDetails																				
parent(s)	WellInformation																				
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Fixed</th> </tr> </thead> <tbody> <tr> <td>wellIdentifierIndicator A code to indicate the origin of the Well Identifier.</td> <td>string</td> <td>O</td> <td></td> </tr> <tr> <td>Number</td> <td>CustomerNumber</td> <td></td> <td></td> </tr> <tr> <td>UWINumber</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Fixed	wellIdentifierIndicator A code to indicate the origin of the Well Identifier.	string	O		Number	CustomerNumber			UWINumber				Other			
Name	Type	Use	Fixed																		
wellIdentifierIndicator A code to indicate the origin of the Well Identifier.	string	O																			
Number	CustomerNumber																				
UWINumber																					
Other																					

WellInformation

A collection of elements detailing information about a well.

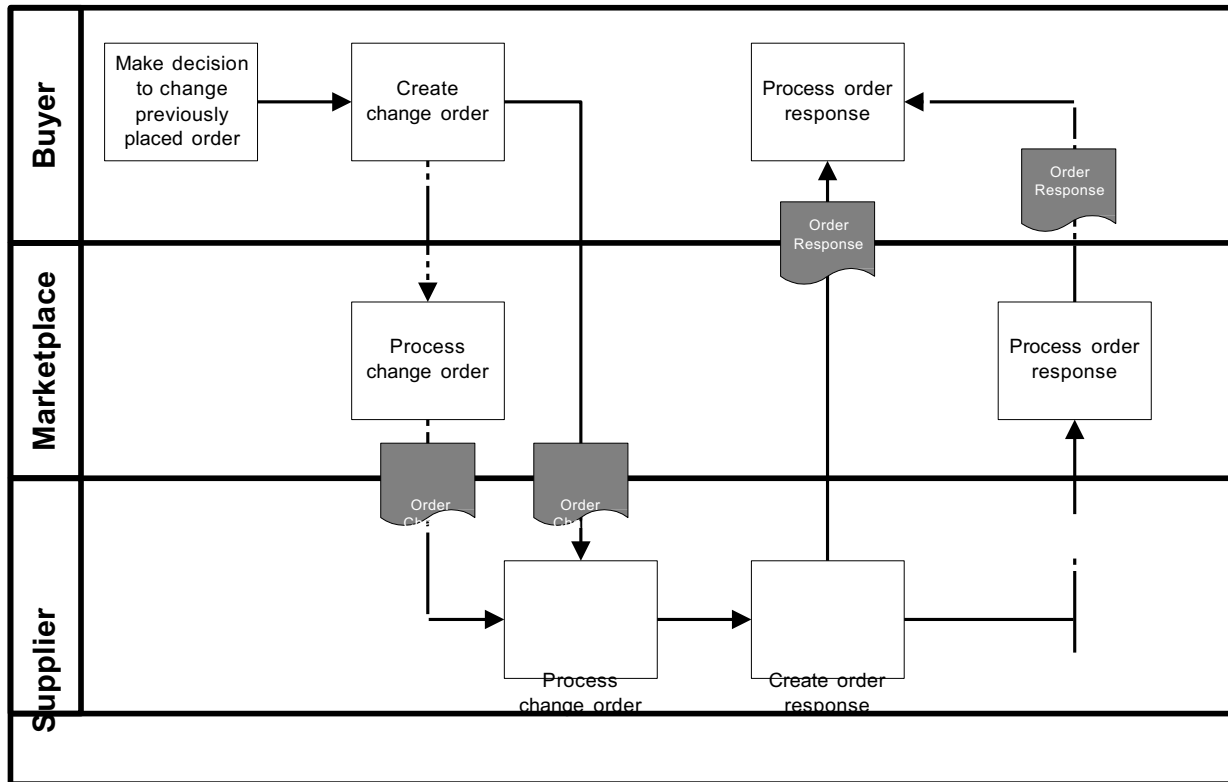
note	
level	OrderResponseProperties OrderResponseDetails

children	Name	Type	Use	Max
	WellIdentifier A unique identifier referencing a well, such as an UWI number.	string	M	U
	WellName The customer name of a well.	string	O	1
	WellType A code indicating the function of the well.	string	O	1
	Brine	DirectionalGas		
	DirectionalNonWell	DirectionalOil		
	DisposalWell	Environmental		
	Gas	HorizontalGas		
	HorizontalOil	IndustrialDisposal		
	IndustrialNonWell	Injection		
	NonWell	Oil		
	Relief	Storage		
	Sulfur	Thermal		
	Uranium	Water		
	Other			
	WellCategory A code indicating the category of a well.	string	O	1
	Abandoned	DevBelow3000		
	Development	ExistingWell		
	NonWell	ReacidizeWell		
	Recompletion	RefractedWell		
	Wildcat	Workover		
	Other			
	parent(s)	JobLocationInformation		

11.0 Order Change

11.1 Business Process Diagram

Below is the Business Process Diagram for the Order Change transaction, using either a B2B or Marketplace model. Solid lines indicate transactions between a Buyer and Seller directly. Dashed lines illustrate the transactions between the Buyer and Seller via a Marketplace. These are not the only two methods in which the process can take place, however, they represent the two primary processes. Third parties other than a Marketplace may be involved if necessary.



B2B Model - A Buyer or buying organization makes a decision to change parts of a previously placed order. A change order is created and sent to the Seller. The Seller processes the change order and sends a response to the Buyer either accepting or denying the changes.

Marketplace Model - A Buyer or buying organization makes a decision to change parts of a previously placed order. A change order is created on a Marketplace and sent to the Seller. The Seller processes the order and sends a response to the Buyer through the Marketplace either accepting or denying the terms of the order.

The Order Change document is used when a Buyer wishes to alter a previously placed purchase order. The Buyer should send only the changes on the Order Change. If the order is to be cancelled, the Order Change can be used by canceling every line item on the order.

11.2 Legend to Tables

The following tables detail the elements and attributes that make up the Order Change. The legend below provides guidance to understanding the element tables. The legend is an example only and is not part of the document standard data.

Telephone ¹ ²

A collection of elements detailing information about a telephone number.

³ note					
level	OrderCreateProperties OrderCreateDetails	⁴			
children	<p>⁵ Name</p> <p>PhoneNumber ⁶ ⁷ string ⁸ M ⁹ 1</p> <p>A numerical sequence to reach a telephone attached to a communication network.</p> <p>PhoneNumberExtension string O 1</p> <p>An extension number that is needed to further identify the phone number.</p> <p>TelecomCountryCode string O 1</p> <p>The dialing code from another country to access the telephone network in another country.</p> <p>TelecomAreaCode string O 1</p> <p>The area code within a country or jurisdiction, if needed, to access local telephones within the country.</p>				
parent(s)	ContactInformation				
attributes	<p>¹⁰ Name ¹¹ ¹⁴ ¹² string ¹³ O</p> <p>telephoneIndicator</p> <p>A code to indicate the type of phone number being given.</p> <p>Fax <input type="checkbox"/> Mobile</p> <p>Pager <input type="checkbox"/> Voice</p> <p>Other <input type="checkbox"/></p>				

Legend	
1	The name of the element.
2	The definition of the element.
3	Contains any business rules or comments about the element
4	Identifies whether or not the element is under the Property, Detail, or Summary level of the document
5	Contains the name of the child elements and their definitions. Those elements in blue are links to the element specification. Only those elements that contain children or attributes are hyperlinked.
6	Indicates the data type of the element.
7	Indicates whether the element is mandatory (M) or optional (O).
8	Indicates whether the element can have a maximum of one occurrence (1) or unbounded multiple occurrences (U)
9	Indicates the parent element of the element.

10	Contains the name of any attributes and their definitions.
11	Indicates the data type of the attribute. If the type is blank, then the element contains children rather than data.
12	Indicates whether the attribute is mandatory (M) or optional (O).
13	Provides a fixed value for the attribute.
14	The shaded areas provide either code list values, rules, or notes about the child element or attribute.

The document, its properties, details, line item, sub-line item, and summary elements are presented first. They are followed by an alphabetical listing of those elements used in the document and have children or attributes.

11.3 Document Detail

OrderChange

The root element of the Order Change message. It is used to make changes to a previously placed order.

note				
children	Name	Type	Use	Max
	OrderChangeProperties		M	1
	A collection of elements defining the change order "meta-data" or "common data".			
	OrderChangeDetails		M	1
	A collection of elements defining the details of the Order Create message.			
	OrderChangeSummary		M	1
	A collection of elements detailing the totals of the change order.			
attributes	Name	Type	Use	Fixed
	transactionPurposeIndicator	string	M	
	A code indicating the purpose of the transaction.			
	Add			
	Cancellation	Change		
	Confirmation	Delete		
	Duplicate	Original		
	Replace	Request		
	Other			
	version	decimal	M	1.0
	A fixed number indicating the version of the PIDX XML Standard on which the transaction is based.			

OrderChangeProperties

A collection of elements defining the change order "meta-data" or "common data".

note	
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children	Name	Type	Use	Max
	OrderChangeNumber A unique identifier for an Order Change message.	string	M	1
	OrderChangeDate The date upon which a change order was created or deemed to have been issued Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	M	1
	PurchaseOrderInformation A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.		M	1
	PartnerInformation A collection of elements detailing partner information.		M	1
	SequenceNumber A number to identify the change or revision against an order. The first change submitted for an order would have a value of 1, the second 2, and so on.	string	O	1
	SpecialInvoicePreference A code indicating any special invoice requirements.	string	O	1
	InvoiceNotRequired			
	Other			
	PrimaryCurrency The currency code indicating the currency to be used for the transaction.		O	1
	SecondCurrency The currency code indicating a second currency, such as for European countries using the Euro and a local currency.		O	1
	LanguageCode A code indicating the language used for the transaction. Use the codelist from ISO 639-2:1998 Codes for the representation of names of languages – Part 2: Alpha-3 Code.	string	O	1
	JobLocationInformation A collection of elements giving details of a job location.		O	1
	ServiceDateTime The actual and/or schedule dates for a service.	datetime	O	U
	CountryOfOrigin The country where product originates or is deemed to have originated.		O	1
	CountryOfFinalDestination The country where product is ultimately delivered or is deemed to have been delivered.		O	1
	TransportInformation A code indicating the mode of transportation used to move product.		O	1
	PaymentTerms A collection of elements detailing payment terms information.		O	1
	CreditCardInformation A collection of elements defining the details of a credit card.		O	1
	SpecialInstructions A free-form textual description of special requirements.	string	O	U
	ReferenceInformation A collection of elements detailing references to information that reside outside of		O	U

	<p>the current transaction message.</p> <p>Attachment</p> <p>A collection of elements defining the details of an attachment to the document.</p> <p>Comment</p> <p>A free-form textual structure for general information or comments.</p>		O	U
parent(s)	OrderChange	string	O	1

OrderChangeDetails

A collection of elements defining the details of the Order Create message.

note		Type	Use	Max
children	Name OrderChangeLineItem A collection of elements defining the details of the line items making up the change order.		M	U
parent(s)	OrderChange			

OrderChangeLineItem

A collection of elements defining the details of the line items making up the change order.

note	
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children	Name	Type	Use	Max
	LineItemNumber A sequential individual line identifier within a document containing service or item information.	string	M	1
	ItemDetailChangeCode A code identifying the type of change to the line item.	string	M	1
	Add Delete			
	ModifyPrice ModifyQuantity			
	ModifyLocation ModifyPartner			
	ModifyPaymentTerms			
	ModifyTransportInformation			
	ModifyScheduleDates ModifyOther			
	LineItemInformation A collection of elements detailing identifying information about a line item.		M	1
	OrderQuantity The number of units of an item or service ordered.		M	1
	CommodityCode A code indicating the categorization of a product or service in accordance with a particular standard.	string	O	U
	PurchaseOrderLineItemNumber A sequential individual line identifier within a purchase order document containing product or item information.	string	O	1
	PurchaseOrderInformation A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.		O	1
	PartnerInformation A collection of elements detailing partner information.		O	U
	JobLocationInformation A collection of elements giving details of a job location.		O	1
	Pricing A collection of elements detailing price information.		O	1
	AllowanceOrCharge A collection of elements defining the details of an allowance or charge to the customer.		O	U
	Tax A collection of elements detailing information about tax applied to a transaction.		O	U
	LineItemTotal The net total monetary amount for the line item.		O	1
	ServiceDateTime The actual and/or schedule dates for a service.	datetime	O	U
	CountryOfOrigin The country where product originates or is deemed to have originated.		O	1
	CountryOfFinalDestination		O	1

	<p>The country where product is ultimately delivered or is deemed to have been delivered.</p> <p>TransportInformation O 1</p> <p>A code indicating the mode of transportation used to move product.</p> <p>PaymentTerms O 1</p> <p>A collection of elements detailing payment terms information.</p> <p>CreditCardInformation O 1</p> <p>A collection of elements defining the details of a credit card.</p> <p>SpecialInstructions string O U</p> <p>A free-form textual description of special requirements.</p> <p>PackagingCharacteristicCode string O U</p> <p>A code indicating the marking, packaging, loading and related characteristics being described.</p> <p>PackageSpecifications</p> <p>ProductMarking SkidPalletType</p> <p>TypeOfPackage Other</p> <p>PackagingCharacteristicDescription string O U</p> <p>Free-form text providing any additional information associated with the Packaging Characteristic Code.</p> <p>ReferenceInformation O U</p> <p>A collection of elements detailing references to information that reside outside of the current transaction message.</p> <p>Attachment O U</p> <p>A collection of elements defining the details of an attachment to the document.</p> <p>Comment string O 1</p> <p>A free-form textual structure for general information or comments.</p> <p>OrderChangeSubLineItem O U</p> <p>A collection of elements defining the details of the sub line items of a change order. It is used if a line item needs to be broken down into further detail.</p>
parent(s)	OrderChangeDetails

OrderChangeSubLineItem

A collection of elements defining the details of the sub line items of a change order. It is used if a line item needs to be broken down into further detail.

note	
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children	Name	Type	Use	Max
	SubLineItemNumber The sub-line item number relating to the primary line item referenced in the message.	string	M	1
	ItemDetailChangeCode A code identifying the type of change to the line item.	string	M	1
	Add Delete			
	ModifyPrice ModifyQuantity			
	ModifyLocation ModifyPartner			
	ModifyPaymentTerms			
	ModifyTransportInformation			
	ModifyScheduleDates ModifyOther			
	LineItemInformation A collection of elements detailing identifying information about a line item.		M	1
	OrderQuantity The number of units of an item or service ordered.		M	1
	CommodityCode A code indicating the categorization of a product or service in accordance with a particular standard.	string	O	U
	PurchaseOrderSubLineItemNumber A sequential individual sub-line identifier within an Order Create document containing product or item information that relates back to a parent line item.	string	O	1
	PurchaseOrderInformation A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.		O	1
	PartnerInformation A collection of elements detailing partner information.		O	U
	JobLocationInformation A collection of elements giving details of a job location.		O	1
	Pricing A collection of elements detailing price information.		O	1
	AllowanceOrCharge A collection of elements defining the details of an allowance or charge to the customer.		O	U
	Tax A collection of elements detailing information about tax applied to a transaction.		O	U
	LineItemTotal The net total monetary amount for the line item.		O	1
	ServiceDateTime The actual and/or schedule dates for a service.	datetime	O	U
	CountryOfOrigin The country where product originates or is deemed to have originated.		O	1

	<p><u>CountryOfFinalDestination</u> O 1</p> <p>The country where product is ultimately delivered or is deemed to have been delivered.</p> <p><u>TransportInformation</u> O 1</p> <p>A code indicating the mode of transportation used to move product.</p> <p><u>PaymentTerms</u> O 1</p> <p>A collection of elements detailing payment terms information.</p> <p><u>CreditCardInformation</u> O 1</p> <p>A collection of elements defining the details of a credit card.</p> <p><u>SpecialInstructions</u> string O U</p> <p>A free-form textual description of special requirements.</p> <p><u>PackagingCharacteristicCode</u> string O U</p> <p>A code indicating the marking, packaging, loading and related characteristics being described.</p> <p>PackageSpecifications</p> <p>ProductMarking SkidPalletType</p> <p>TypeOfPackage Other</p> <p><u>PackagingCharacteristicDescription</u> string O U</p> <p>Free-form text providing any additional information associated with the Packaging Characteristic Code.</p> <p><u>ReferenceInformation</u> O U</p> <p>A collection of elements detailing references to information that reside outside of the current transaction message.</p> <p><u>Attachment</u> O U</p> <p>A collection of elements defining the details of an attachment to the document.</p> <p><u>Comment</u> string O 1</p> <p>A free-form textual structure for general information or comments.</p>
parent(s)	<u>OrderChangeLineItem</u>

OrderChangeSummary

A collection of elements detailing the totals of the change order.

note		Type	Use	Max
children	<p>Name</p> <p>TotalLineItems integer M 1</p> <p>The total number of line items contained in a message.</p> <p><u>TotalAmount</u> O 1</p> <p>The total monetary amount of an order.</p>			
parent(s)	<u>OrderChange</u>			

AddressInformation

A collection of elements defining the details of an address.

note				
level	OrderChangeProperties OrderChangeDetails			
children	<p>Name</p> <p>POBoxNumber The identity of a physical box within a postal facility to accept and receive mail.</p> <p>BuildingHouseNumber The alphanumeric identifier of a building as a part of an address.</p> <p>StreetName The name of a street as part of an address.</p> <p>AddressLine An occurrence of a generally accepted formatted line of data such that when combined with the entire address structure there is sufficient information for delivery or location purposes.</p> <p>CityName The name of the city or municipality.</p> <p>StateProvince The name of the municipality or town as a location for mailing, siting and other geographic functions.</p> <p>PostalCode The code assigned by local postal authorities to delivery addresses.</p> <p>PostalCountry The country code indicating the country to which mail should be delivered.</p> <p>CountyName The name of the county.</p> <p>LocationIdentifier A unique identifier for a physical location.</p>	<p>Type</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p>	<p>Use</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p>	<p>Max</p> <p>1</p> <p>1</p> <p>1</p> <p>U</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
parent(s)	JobLocationInformation Location PartnerInformation TaxLocation			

AllowanceOrCharge

A collection of elements defining the details of an allowance or charge to the customer.

note	If AllowanceOrCharge is used, then at least one of AllowanceOrChargeRate, AllowanceOrChargeTotalAmount, or AllowanceOrChargePercent is required.
level	OrderChangeDetails

children	Name	Type	Use	Max
	AllowanceOrChargeTotalAmount The total monetary amount for the allowance or charge.		0	1
	AllowanceOrChargeRate The rate per unit of the allowance or charge.		0	1
	AllowanceOrChargePercent The allowance or charge expressed as a percentage.	decimal	0	1
	AllowanceOrChargeNumber The identifier assigned by a vendor referencing an allowance, promotion, deal or charge.	string	0	1
	AllowanceOrChargeTypeCode A code identifying the kind of allowance or charge being described.	string	0	1
	Freight			
	FuelSurcharge			
	SpecialHandlingService			
	Discount			
	FlatRate			
	EngineeringCharge			
	InvoiceAdjustment			
	InsuranceSurcharge			
	OneTimeLicenseFee			
	Royalties			
	MiscellaneousCharge			
	PostageCharge			
	TrailerRentalCharge			
	TransportationDirectBilling			
	TransportationVendorProvided			
	Other			
	MethodOfHandlingCode A code which describes how a particular allowance or charge should be handled.	string	0	1
	OffInvoice			
	ChargeToBePaidByCustomer			
	Other			
	AllowanceOrChargeDescription A free form description used to clarify the related allowance and charge data elements and their content.	string	0	1
	AllowanceOrChargeQuantity The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.		0	1
parent(s)	OrderChangeLineItem OrderChangeSubLineItem			

attributes	Name	Type	Use	Fixed
	allowanceOrChargeIndicator	string	M	
	A code to indicate whether the information relates to an allowance or charge.			
	Allowance			
	Charge			
	Other			

AllowanceOrChargePercent

The allowance or charge expressed as a percentage.

note				
level	OrderChangeDetails			
parent(s)	AllowanceOrCharge			
attributes	Name	Type	Use	Fixed
	percentIndicator A code indicating on what basis the allowance or charge percent is calculated.	string	O	

AllowanceOrChargeQuantity

The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.

note				
level	OrderChangeDetails			
children	Name	Type	Use	Max
	Quantity A numeric count of measure.	decimal	M	1
	UnitOfMeasureCode A code identifying the units in which measurement is expressed.	string	M	1
parent(s)	AllowanceOrCharge			

AllowanceOrChargeRate

The rate per unit of the allowance or charge.

note				
level	OrderChangeDetails			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	UnitOfMeasureCode A code identifying the units in which measurement is expressed.	string	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
parent(s)	AllowanceOrCharge			

AllowanceOrChargeTotalAmount

The total monetary amount for the allowance or charge.

note				
level	OrderChangeDetails			

children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
parent(s)	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
	AllowanceOrCharge			

AlternativeCommunicationMethod

Additional methods of communication, such as an IP Address or Printer ID, in addition to those specifically listed elsewhere in contact or address information.

note																																									
level	OrderChangeProperties OrderChangeDetails																																								
parent(s)	ContactInformation																																								
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Fixed</th> </tr> </thead> <tbody> <tr> <td>alternativeCommunicationMethodIndicator</td> <td>string</td> <td>M</td> <td></td> </tr> <tr> <td colspan="4">A code to indicate the type of alternative communication method.</td> </tr> <tr> <td>AUTOVON</td> <td></td> <td></td> <td></td> </tr> <tr> <td>EDIAccessNumber</td> <td></td> <td></td> <td></td> </tr> <tr> <td>FederalTelecommunicationsSystem</td> <td>IPAddress</td> <td></td> <td></td> </tr> <tr> <td>PacketSwitching</td> <td>PrinterID</td> <td></td> <td></td> </tr> <tr> <td>StationCode</td> <td>Telemail</td> <td></td> <td></td> </tr> <tr> <td>Telex</td> <td>TWX</td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Fixed	alternativeCommunicationMethodIndicator	string	M		A code to indicate the type of alternative communication method.				AUTOVON				EDIAccessNumber				FederalTelecommunicationsSystem	IPAddress			PacketSwitching	PrinterID			StationCode	Telemail			Telex	TWX			Other			
Name	Type	Use	Fixed																																						
alternativeCommunicationMethodIndicator	string	M																																							
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PacketSwitching	PrinterID																																								
StationCode	Telemail																																								
Telex	TWX																																								
Other																																									

Attachment

A collection of elements defining the details of an attachment to the document.

note	
level	OrderChangeProperties OrderChangeDetails

	Name	Type	Use	Max
children	AttachmentPurposeCode	string	0	1
	A code to indicate the purpose of the attachment.			
	Template			
	Other			
	FileName	string	0	1
	The name of the file in an attachment.			
	AttachmentTitle	string	0	1
	The title of the attachment.			
	AttachmentDescription	string	0	1
A free-form textual description of the attachment.				
FileType	string	0	1	
The type of the file in an attachment.				
AttachmentLocation	string	0	1	
The location of the attachment, such as a URL.				
parent(s)	OrderChangeLineItem			
	OrderChangeProperties			
	OrderChangeSubLineItem			

Block

A collection of elements defining the details of a block, which identifies a location.

note					
level	OrderChangeProperties OrderChangeDetails				
children	Name	Type	Use	Max	
	BlockName	string	0	1	
	The name of the block, which identifies a location.				
	OCSGNumber	string	0	1	
	The Outer Continental Shelf Gulf number.				
	StateLease	string	0	1	
	Lease on state land.				
parent(s)	GeographicalInformation				

CommodityCode

A code indicating the categorization of a product or service in accordance with a particular standard.

note					
level	OrderChangeDetails				
parent(s)	OrderChangeLineItem OrderChangeSubLineItem				
attributes	Name	Type	Use	Fixed	
	agencyIndicator	string	0		
	A code indicating what agency or organization is responsible for defining the commodity code list.				

ContactIdentifier

The identifier of the contact person or department.

note					
level	OrderChangeProperties OrderChangeDetails				
parent(s)	ContactInformation				
attributes	Name	Type	Use	Fixed	
	contactIdentifierIndicator	string	0		
	A code to identify the origin of the contact identifier.				
	AssignedByBuyer				
	AssignedBySeller	EmployeeID			
Other					

ContactInformation

A collection of elements defining details of communication for a contact person.

note	It is recommended that ContactInformation be used at either the Property or Detail level, but not both.					
level	OrderChangeProperties OrderChangeDetails					
children	Name	Type	Use	Max		
	ContactIdentifier	string	O	1		
	The identifier of the contact person or department.					
	ContactName	string	O	1		
	The name of the contact person within the organization.					
	ContactDescription	string	O	1		
	A free-form textual description of the contact.					
	Telephone			O	U	
	A collection of elements detailing information about a telephone number.					
	EmailAddress	string	O	1		
The address assigned to a person or organization to receive electronic messages.						
AlternativeCommunicationMethod	string		O	U		
Additional methods of communication, such as an IP Address or Printer ID, in addition to those specifically listed elsewhere in contact or address information.						
parent(s)	PartnerInformation					
attributes	Name	Type	Use	Fixed		
	contactInformationIndicator	string	M			
	A code indicating the function of the contact.					
	BuyerDepartment	DeliveryContact				
	DesignEngineer	Engineer				
	EnteredBy					
	FieldRepresentative					
	OfficeRepresentative					
	OrderContact	PurchasingAgent				
	QuotePreparer	QuoteRequestor				
	RFQContact					
	SalesRepresentative					
	ServiceCoordinator					
	TechnicalMarketingRepresentative					
	Other					

CountryOfFinalDestination

The country where product is ultimately delivered or is deemed to have been delivered.

note				
level	OrderChangeProperties OrderChangeDetails			
children	Name CountryCode A code indicating a country.	Type string	Use M	Max 1

	<p>Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions-Part 1:Country Codes.</p>	1
parent(s)	<p>ncd >rr:toprelj >tt >m OrderChangeProperties OrderChangeSublineItem</p>	

CountryOfOrigin

The country where product originates or is deemed to have originated.

note					
level	OrderChangeProperties OrderChangeDetails				
children	Name CountryCode A code indicating a country. Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.	Type string	Use M	Max 1	
parent(s)	OrderChangeLineItem OrderChangeProperties OrderChangeSubLineItem				

CreditCardInformation

A collection of elements defining the details of a credit card.

note					
level	OrderChangeProperties OrderChangeDetails				
children	Name CreditCardNumber The number identifying the credit card account. CardHolderName The name of the party to whom the credit card is registered. CreditCardType The type of credit card as generally identified by financial institutions. CreditCardExpirationDate The date upon which a credit card expires and is no longer valid. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day. CardAuthorizationCode The authorization number assigned to a transaction against a credit card. CardReferenceNumber A customer reference number which is used to enable transmission of customer specific information with the card.	Type integer string string date string string	Use M O O O O O	Max 1 1 1 1 1	
parent(s)	OrderChangeLineItem OrderChangeProperties OrderChangeSubLineItem				

Deferred

The terms for a deferred payment in relation to a transaction.

note				
level	OrderChangeProperties OrderChangeDetails			
children	Name	Type	Use	Max
	DeferredAmount		O	1
	The monetary amount that is deferred for payment based upon terms in an invoice, contract or agreement.			
	DeferredDueDate	date	O	1
	The date upon which a deferred payment is due. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.			
children	PercentDeferredPayable	decimal	O	1
	The amount due that is deferred for payment expressed as a percentage.			
	Description	string	O	1
A free-form textual explanation or clarification.				
parent(s)	PaymentTerms			

DeferredAmount

The monetary amount that is deferred for payment based upon terms in an invoice, contract or agreement.

note				
level	OrderChangeProperties OrderChangeDetails			
children	Name	Type	Use	Max
	MonetaryAmount	decimal	M	1
	The currency value of a transaction or item.			
children	CurrencyCode	string	O	1
	A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.			
parent(s)	Deferred			

DiscountAmount

The monetary amount of a discount based upon payment terms.

note				
level	OrderChangeProperties OrderChangeDetails			

children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
parent(s)	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
	Discounts			

Discounts

The monetary amount allowed or applied as a credit against a transaction or balance.

note				
level	OrderChangeProperties OrderChangeDetails			
children	Name DaysDue The number of days from the payment terms basis date before a discount expires. DiscountsDueDate The date upon which a discount expires. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day. PercentDiscount A discount to be applied to the transaction expressed as a percentage. DiscountAmount The monetary amount of a discount based upon payment terms. Description A free-form textual explanation or clarification.	Type integer date decimal string	Use O O O O	Max 1 1 1 1
parent(s)	PaymentTerms			

EffectiveDates

The period of time (or range) where the information is valid or guaranteed.

note				
level	OrderChangeProperties OrderChangeDetails			
children	Name FromDate The date upon which a time period begins. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day. ToDate The date upon which a time period ends. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	Type date date	Use M M	Max 1 1
parent(s)	TaxInformation			

GeographicalInformation

A collection of elements defining a geographical location.

note	If any one of Section, Township, or Range is given then the other two are required.			
level	OrderChangeProperties OrderChangeDetails			
children	Name	Type	Use	Max
	FieldName	string	O	1
	The name of the oil field.			
	Section	string	O	1
	A part of Section/Township/Range location identifier scheme.			
	Township	string	O	1
	A part of Section/Township/Range location identifier scheme.			
	Range	string	O	1
A part of Section/Township/Range location identifier scheme.				
Region	string	O	1	
The name of a geographic region.				
Block		O	1	
A collection of elements defining the details of a block, which identifies a location.				
GPSCoordinates		O	1	
A collection of elements containing latitude and longitude data for a specific location.				
parent(s)	JobLocationInformation Location			

GPSCoordinates

A collection of elements containing latitude and longitude data for a specific location.

note				
level	OrderChangeProperties OrderChangeDetails			
children	Name	Type	Use	Max
	Latitude	string	M	1
	The specified latitude of a location.			
Longitude	string	M	1	
The specified longitude of a location.				
parent(s)	GeographicalInformation			

HazardousMaterialClassCode

A code indicating the kind of hazard for a material.

note	
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level	OrderChangeProperties OrderChangeDetails			
parent(s)	HazardousMaterials			
attributes	Name	Type	Use	Fixed
	hazardousMaterialIndicator	string	M	
	A code which qualifies the Hazardous Material Class Code.			

HazardousMaterials

A collection of elements conveying hazardous goods information related to a product.

note	If HazardousMaterials is used, then at least one of SpecialHandlingCode or HazardousMaterialDescription is required.			
level	OrderChangeProperties OrderChangeDetails			
children	Name	Type	Use	Max
	SpecialHandlingCode	string	0	1
	A code identifying any special transportation handling instructions			
	HazardousMaterialDescription	string	0	1
	A free-form textual explanation of information related to a hazardous shipment.			
	HazardousMaterialClassCode	string	0	U
	A code indicating the kind of hazard for a material.			
parent(s)	TransportInformation			

JobLocationIdentifier

A unique identifier referencing the job location.

note				
level	OrderChangeProperties OrderChangeDetails			
parent(s)	JobLocationInformation			
attributes	Name	Type	Use	Fixed
	jobLocationIdentifierIndicator	string	0	
	A code to define what type of location the identifier is referencing.			
	ChemicalPlant	Coal-		
	Degas	CogenerationPlant		
	Construction	Dock		
	GasPlant			
	IndustrialServiceMiscellaneous			
	MilitaryGovernment	PaperMill		
	PetroleumPlant	Pipeline		
	Refinery	Rig		
	UtilityPlant			
	Other			

JobLocationInformation

A collection of elements giving details of a job location.

note	
level	OrderChangeProperties OrderChangeDetails

children	Name	Type	Use	Max
	JobLocationIdentifier A unique identifier referencing the job location.	string	O	U
	JobLocationClassCode A code indicating the class of the job location.	string	O	1
	FederalWaters Land InlandWaters StateWaters Other			
	JobLocationDescription A free-form textual description of the job location.	string	O	1
	JobLocationStatus A code indicating whether a location is active or inactive.	string	O	1
	Inactive Active Other			
	WellInformation A collection of elements detailing information about a well.		O	1
	JobSiteCategory A code indicating the kind of site on which the job is located.	string	O	1
	Boiler CivilHighways Compression Condenser ConstructPiles Dams HeatExchanger IndustrialServiceMiscellaneous Piping Production TowerVessel Turbine UndergroundStr Other			
	AddressInformation A collection of elements defining the details of an address.		O	1
	GeographicalInformation A collection of elements defining a geographical location.		O	1
parent(s)	OrderChangeLineItem OrderChangeProperties OrderChangeSubLineItem			

LinItemIdentifier

The unique identifier for a product or service making up the line item.

note				
level	OrderChangeDetails			
parent(s)	LinItemInformation			
attributes	Name	Type	Use	Fixed
	identifierIndicator	string	M	
	A code to indicate the origin of the identifier.			
	AssignedByBuyer			
	AssignedByManufacturer			
	AssignedBySeller			
	CatalogueNumber	UPCNumber		
	Other			

LinItemInformation

A collection of elements detailing identifying information about a line item.

note				
level	OrderChangeDetails			
children	Name	Type	Use	Max
	LinItemIdentifier	string	O	U
	The unique identifier for a product or service making up the line item.			
	LinItemName	string	O	1
	The name of the product or service in the line item.			
	LinItemDescription	string	O	1
A free-form textual description of the line item.				
ManufacturerIdentifier	string	O	1	
A unique identifier for a manufacturer.				
parent(s)	OrderChangeLinItem			
	OrderChangeSubLinItem			

LinItemTotal

The net total monetary amount for the line item.

note				
level	OrderChangeDetails			
children	Name	Type	Use	Max
	MonetaryAmount	decimal	M	1
	The currency value of a transaction or item.			
CurrencyCode	string	O	1	
A code indicating the currency in which the monetary amount is specified.				

	Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.
parent(s)	OrderChangeLineItem OrderChangeSubLineItem

Location

A collection of elements giving details about a location.

note					
level	OrderChangeProperties OrderChangeDetails				
children	Name	Type	Use	Max	
	LocationIdentifier	string	O	1	
	A unique identifier for a physical location.				
	LocationName	string	O	1	
	The name of the location being referenced.				
	AddressInformation		O	1	
children	A collection of elements defining the details of an address.				
	GeographicalInformation		O	1	
	A collection of elements defining a geographical location.				
	LocationDescription	string	O	1	
Free-form textual description of the location.					
parent(s)	TransportInformation				
attributes	Name	Type	Use	Fixed	
	locationIndicator	string	O		
	A code to identify what kind of location is being referenced. FreightEqualizationPoint				
	OnVessel-FOBPoint				
	AssignedBySeller				
	Origin-AfterLoadingOnEquipment				
	Origin-ShippingPoint				
	Plant				
	ShippingDestination				
	Warehouse				
	Other				

MeasurementRange

A collection of elements providing a minimum and maximum measurement to create a range.

note					
level	OrderChangeProperties OrderChangeDetails				
children	Name	Type	Use	Max	
	MinimumMeasurement	decimal	M	1	
	The smallest measurement in a given range.				
children	MaximumMeasurement	decimal	M	1	
	The largest measurement in a given range.				

parent(s)	PriceBasis
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OrderQuantity

The number of units of an item or service ordered.

note				
level	OrderCreateDetails OrderResponse OrderResponseDetails OrderChangeDetails			
children	Name	Type	Use	Max
	Quantity A numeric count of measure.	decimal	M	1
children	UnitOfMeasureCode A code identifying the units in which measurement is expressed.	string	M	1
	parent(s)	OrderChangeLineItem OrderChangeSubLineItem OrderCreateLineItem OrderCreateSubLineItem OrderResponseLineItem OrderResponseSubLineItem		

PartnerIdentifier

A unique identifier indicating a particular partner or organization.

note				
level	OrderChangeProperties OrderChangeDetails			
parent(s)	PartnerInformation			
attributes	Name	Type	Use	Fixed
	partnerIdentifierIndicator A code to identify the origin of the Partner Identifier.	string	M	
	AssignedByBuyer			
	AssignedBySeller	DUNSNumber		
	DUNS+4Number	Other		

PartnerInformation

A collection of elements detailing partner information.

note				
level	OrderChangeProperties OrderChangeDetails			
children	Name PartnerIdentifier A unique identifier indicating a particular partner or organization. PartnerName The name of the organization being referenced in Partner Information. AddressInformation A collection of elements defining the details of an address. ContactInformation A collection of elements defining details of communication for a contact person. TaxInformation A collection of elements detailing tax information about a partner. URL A Uniform Resource Locator indicating an internet address.	Type string string string string string string	Use M O O O O	Max U 1 1 U 1 1
parent(s)	OrderChangeLineItem OrderChangeProperties OrderChangeSubLineItem TransportInformation			

attributes	Name	Type	Use	Fixed
	partnerRoleIndicator	string	M	
	A code to indicate the role in this transaction of the partner being referenced.			
	BillAndShipTo			
	BillTo			
	Carrier			
	CommissionPayee			
	FinalRecipient			
	Manufacturer			
	Marketplace			
	MaterialIssuer			
	OnsiteContractingCompany			
	OperatingCompany			
	Payer			
	PrimaryContractor			
	RemitTo			
	Seller			
	ShipFromParty			
	ShipToParty			
	SoldTo			
	ThirdParty			
	Vendor			
	Warehouse			
	Other			

PaymentTerms

A collection of elements detailing payment terms information.

note	<p>If either one of PercentDiscount or DiscountAmount is used, then at least one of DiscountsDueDate or DaysDue is required.</p> <p>If DeferredDueDate is used, then at least one of DeferredAmountDue or PercentOfInvoicePayable is required.</p>			
level	<p>OrderChangeProperties</p> <p>OrderChangeDetails</p>			
children	Name	Type	Use	Max
	PaymentTermsOfSale	string	0	1
	The terms on which payment is calculated for the transaction.			
	Description	string	0	1
	A free-form textual explanation or clarification.			
	PaymentTermsBasisDateCode	string	0	1
	A code identifying the beginning of the terms period.			
	DeliveryDate InvoiceDate			
	InvoiceReceiptDate Other			
	PaymentTermsBasisDate	date	0	1
	The date from which payment terms or discounts are calculated or based.			
	Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.			
	TermsNetDays	integer	0	1
	The number of days until the total invoice amount is due (discount not applicable).			
	PercentOfInvoicePayable	decimal	0	1
	The amount of an invoice payable expressed as a percentage.			
	Discounts		0	1
	The monetary amount allowed or applied as a credit against a transaction or balance.			
	Deferred		0	1
	The terms for a deferred payment in relation to a transaction.			
	Penalty	string	0	1
	A percentage used to calculate the penalty on any balance unpaid by the due date.			
parent(s)	<p>OrderChangeLineItem</p> <p>OrderChangeProperties</p> <p>OrderChangeSubLineItem</p>			

PostalCountry

The country code indicating the country to which mail should be delivered.

note	
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level	OrderChangeProperties OrderChangeDetails			
children	Name CountryCode A code indicating a country. Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.	Type	Use	Max
		string	M	1
parent(s)	AddressInformation			

PriceBasis

A structure allowing for a price to be based on more than just a single unit of measure.

note				
level	OrderChangeDetails			
children	Name	Type	Use	Max
	Measurement	decimal	O	1
	A numeric value for technical or attribute data.			
	MeasurementRange		O	1
	A collection of elements providing a minimum and maximum measurement to create a range.			
children	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed.			
	BasisDescription	string	O	1
	Free-form textual description of the basis.			
parent(s)	Pricing			

Pricing

A collection of elements detailing price information.

note				
level	OrderChangeDetails			
children	Name	Type	Use	Max
	UnitPrice		M	1
	The unit price of the product or service being sold.			
children	PriceBasis		O	U
	A structure allowing for a price to be based on more than just a single unit of measure.			
parent(s)	OrderChangeLineItem OrderChangeSubLineItem			

PrimaryCurrency

The currency code indicating the currency to be used for the transaction.

note				
level	OrderChangeProperties			
children	Name	Type	Use	Max
	CurrencyCode	string	M	1
	A code indicating the currency in which the monetary amount is specified.			
	Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.			
parent(s)	OrderChangeProperties			

PurchaseOrderInformation

A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.

note				
level	OrderChangeProperties			
children	<p>Name</p> <p>PurchaseOrderNumber A unique identifier for an Order Create message.</p> <p>PurchaseOrderIssuedDate The date upon which an order was created or deemed to have been issued. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.</p> <p>PurchaseOrderTypeCode A code indicating the kind of purchase order. Confirmation EmergencyOrder ReleaseOrDeliveryOrder RushOrder StandAloneOrder SupplyOrServiceOrder Other</p> <p>ReleaseNumber A number identifying a release against a purchase order previously placed by the parties involved in the transaction. It is the equivalent to a work order number.</p> <p>SalesOrderNumber The identifier assigned by a supplier to an order placed by a customer.</p> <p>RevisionNumber A number indicating the version of the document. It is used if a message is resent in its entirety to replace an earlier version.</p>	Type	Use	Max
		string	M	1
		date	O	1
		string	O	1
		string	O	1
		string	O	1
		string	O	1
parent(s)	OrderChangeProperties			

ReferenceInformation

A collection of elements detailing references to information that reside outside of the current transaction message.

note	It is recommended that ReferenceInformation be used at either the Property or Detail level, but not both.				
level	OrderChangeProperties OrderChangeDetails				
children	Name	Type	Use	Max	
	ReferenceNumber A number or identifier that is used to reference documents or information not included within a particular message. The referenceInformationIndicator attribute qualifies what this number references Description A free-form textual explanation or clarification.	string	M	1	
parent(s)	OrderChangeLineItem OrderChangeProperties OrderChangeSubLineItem				

attributes	Name	Type	Use	Fixed
	referenceInformationIndicator	string	M	
	A code to identify what type of information is being referenced.			
	AFENumber	BatchNumber		
	BillOfLading	Certification		
	CertifiedInspectionTestResults			
	ConfigurationNumber			
	ContractNumber			
	CostAllocationReference	CostCenter		
	CustomerAccountingReference			
	CustomerReferenceNumber			
	DeliveryTicketNumber			
	DivisionIdentifier			
	EngineeringChangeOrderNumber	JobNumber		
	LetterOfCreditNumber			
	LocationNumber			
	MaterialSafetyDataSheet			
	OperatorGeneralLedgerCode			
	OriginalInvoiceNumber			
	PriceAreaNumber	ProjectNumber		
	ProposalNumber	QuoteNumber		
	RequestForQuotationNumber			
	TemplateName			
	Other			

SecondCurrency

The currency code indicating a second currency, such as for European countries using the Euro and a local currency.

note				
level	OrderChangeProperties			
children	<p>Name</p> <p>CurrencyCode</p> <p>A code indicating the currency in which the monetary amount is specified.</p> <p>Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.</p>	Type	Use	Max
		string	M	1
parent(s)	OrderChangeProperties			

ServiceDateTime

The actual and/or schedule dates for a service.

note	<p>Format is CCYY-MM-DDThh:mm:ss where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day. The letter "T" is the date/time separator and "hh", "mm", "ss" represent hour, minute and second respectively.</p> <p>The CCYY field must have at least four digits, the MM, DD, SS, hh, mm and ss fields exactly two digits each. Leading zeroes must be used if the field would otherwise have too few digits.</p> <p>If no time is to be given then use zeroes in the hh, mm and ss fields.</p> <p>This representation may be immediately followed by a "Z" to indicate Coordinated Universal Time (UTC) or, to indicate the time zone, i.e. the difference between the local time and Coordinated Universal Time, immediately followed by a sign, + or -, followed by the difference from UTC represented as hh:mm (note: the minutes part is required). For example, to indicate 1:20 pm on May the 31st, 1999 for Eastern Standard Time which is 5 hours behind Coordinated Universal Time (UTC), one would write: 1999-05-31T13:20:00-05:00.</p>
level	<p>OrderChangeProperties</p> <p>OrderChangeDetails</p>
parent(s)	<p>OrderChangeLineItem</p> <p>OrderChangeProperties</p> <p>OrderChangeSubLineItem</p>

attributes	Name	Type	Use	Fixed
	dateTypeIndicator	string	M	
	A code to identify which date being given.			
	ArriveLocationDate	InvoiceDueDate		
	InvoicePeriodStartDate			
	LeaveLocationDate			
	PromisedForDelivery			
	PromisedForShipment			
	RequestedForDelivery			
	RequestedForShipment			
	ServicePeriodEnd			
	ServicePeriodStart	ShipDate		
	Other			

SpecialInstructions

A free-form textual description of special requirements.

note				
level	OrderChangeProperties OrderChangeDetails			
parent(s)	OrderChangeLineItem OrderChangeProperties OrderChangeSubLineItem			
attributes	Name instructionIndicator A code to identify the type of instruction being given. CarrierInstructions ConsigneeInstructions DriverInstructions EmptyReturnInstructions InspectionInstructions RoutingInstructions ShipperInstructions ShortLeadTime Tolerances Other	Type string	Use 0	Fixed

Tax

A collection of elements detailing information about tax applied to a transaction.

note	It is recommended that Tax be used at the Detail level to support tax exemptions. However, many systems cannot provide detail-level Tax information at this time, therefore, Tax is not mandatory at the detail level.
level	OrderChangeDetails

children	Name	Type	Use	Max
	TaxTypeCode	string	M	1
	A code indicating the kind of tax being applied.			
	CitySalesTax			
	CountyParishSalesTax	CountyTax		
	FederalExciseTax			
	GoodsAndServicesTax			
	GrossReceiptsTax	LocalTax		
	MetropolitanTransitTax			
	StateAndLocalSalesTax			
	StateProvincialTax	StateSalesTax		
	ValueAddedTax	WellServiceTax		
	Other			
	MixedRateIndicator	string	O	1
	A mixed rate VAT tax indicator. This is used for European tax purposes.			
	TaxIdentifierNumber	string	O	1
	A unique number or code issued to an organization by a governmental or regulatory body identifying that entity for tax purposes.			
	TaxExemptCode	string	O	1
	A code identifying exemption status from sales and use tax.			
	DirectPay	Exempt		
	NonExempt	Other		
	<u>TaxLocation</u>		O	1
	The physical or deemed location at which tax is calculated based upon jurisdiction by a governmental or regulatory body.			
	TaxRate	decimal	O	1
	The percentage or monetary amount charged on a transaction.			
	<u>TaxBasisAmount</u>		O	1
	The monetary amount which is subject to tax.			
	<u>TaxAmount</u>		O	1
	The monetary amount of the tax.			
	TaxReference	string	O	1
	A free-form textual explanation or clarification.			
parent(s)	OrderChangeLineItem OrderChangeSubLineItem			

TaxAmount

The monetary amount of the tax.

note				
level	OrderChangeDetails			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
	parent(s)	Tax		

TaxBasisAmount

The monetary amount which is subject to tax.

note				
level	OrderChangeDetails			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
	parent(s)	Tax		

TaxInformation

A collection of elements detailing tax information about a partner.

note				
level	OrderChangeProperties OrderChangeDetails			

	Name	Type	Use	Max
children	TaxIdentifierNumber A unique number or code issued to an organization by a governmental or regulatory body identifying that entity for tax purposes.	string	0	1
	Jurisdiction The authority exercised by a nation, a judicial body, or a legislative body over persons, places, and property. Jurisdiction may apply to the territory over which a nation has control, including the land area, the adjacent sea, and the airspace above. It may also refer to the authority of an international body to make decisions binding on national entities.	string	0	1
	TaxCertificateType The category of tax certificate for which an identifying number is issued.	string	0	1
	TaxCertificateNumber The identifying number for a tax certificate such as tax exemption, sales and use tax certificate or other such document.	string	0	1
parent(s)	PartnerInformation			

TaxLocation

The physical or deemed location at which tax is calculated based upon jurisdiction by a governmental or regulatory body.

note				
level	OrderChangeDetails			
children	Name	Type	Use	Max
	LocationIdentifier	string	O	1
	A unique identifier for a physical location.			
	LocationName	string	O	1
	The name of the location being referenced.			
children	LocationDescription	string	O	1
	Free-form textual description of the location.			
	AddressInformation		O	1
	A collection of elements defining the details of an address.			
parent(s)	Tax			

Telephone

A collection of elements detailing information about a telephone number.

note				
level	OrderChangeProperties OrderChangeDetails			
children	Name	Type	Use	Max
	PhoneNumber	string	M	1
	A numerical sequence to reach a telephone attached to a communication network.			
	PhoneNumberExtension	string	O	1
	An extension number that is needed to further identify the phone number.			
children	TelecomCountryCode	string	O	1
	The dialing code from another country to access the telephone network in another country.			
	TelecomAreaCode	string	O	1
	The area code within a country or jurisdiction, if needed, to access local telephones within the country.			
parent(s)	ContactInformation			
attributes	Name	Type	Use	Fixed
	telephoneIndicator	string	O	
	A code to indicate the type of phone number being given.			
	Fax <input type="checkbox"/> Mobile <input type="checkbox"/>			
Pager <input type="checkbox"/> Voice <input type="checkbox"/>				
Other <input type="checkbox"/>				

TotalAmount

The total monetary amount of an order.

note				
level	OrderChangeSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1

	CurrencyCode string 0 1 A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.
parent(s)	OrderChangeSummary

TransportInformation

A collection of elements detailing how product is transported.

note	If TransportInformation is used, then at least one of TransportMethodCode, Routing, or ServiceLevelCode is required.
level	OrderChangeProperties OrderChangeDetails

children	Name	Type	Use	Max
	ShipmentMethodOfPayment A code indicating payment terms for transportation charges.	string	M	1
	Collect Collect-			
	FreightCreditedBackToCustomer			
	CustomerPickupBackhaul Pickup			
	PrepaidBySeller Prepaid-			
	ChargedToCustomer ServiceFreight-			
	NoCharge ThirdPartyPay			
	Other			
	RoutingSequenceCode A code indicating the relationship of a carrier to a specific shipment movement.	string	O	1
	OriginCarrier-AirMotorOcean			
	OriginDeliveryCarrier-AnyMode			
	Other			
	TransportMethodCode A code indicating the mode of transportation used to move product.	string	O	1
	Air AirExpress			
	Barge BestWay-			
	ShippersOption Boat			
	CustomerPickup ExpeditedTruck			
	Motor-CommonCarrier Ocean			
	ParcelPost Rail			
	SupplierTruck Truck			
	Vessel Other			
	PartnerInformation A collection of elements detailing partner information.		O	U
	Location A collection of elements giving details about a location.		O	U
	ShipmentTermsCode A code indicating the terms under which a product is shipped, such as Freight Prepaid, FOB or similar.	string	O	1
	Routing A free-form description of the shipping route to be provided for transportation of product.	string	O	1
	ServiceLevelCode	string	O	1

	A code indicating the level of service required. HazardousMaterials A collection of elements conveying hazardous goods information related to a product.		O	1
	CarrierEquipmentCode A code indicating the kind of equipment parent(s) the carrier.	string	O	1
	TransportName The identifier of specific vessel, truck, railcar, etc.	string	O	1
parent(s)	OrderChangeLineItem OrderChangeProperties OrderChangeSubLineItem			

UnitPrice

A collection of elements detailing how product is transported.

note				
level	OrderChangeDetails			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	UnitOfMeasureCode A code identifying the units in which measurement is expressed.	string	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
parent(s)	Pricing			

WellIdentifier

A unique identifier referencing a well, such as an UWI number.

note				
level	OrderChangeProperties OrderChangeDetails			
parent(s)	WellInformation			
attributes	Name	Type	Use	Fixed
	wellIdentifierIndicator A code to indicate the origin of the Well Identifier.	string	O	
	Number	CustomerNumber		
	UWI Number			
	Other			

WellInformation

A collection of elements detailing information about a well.

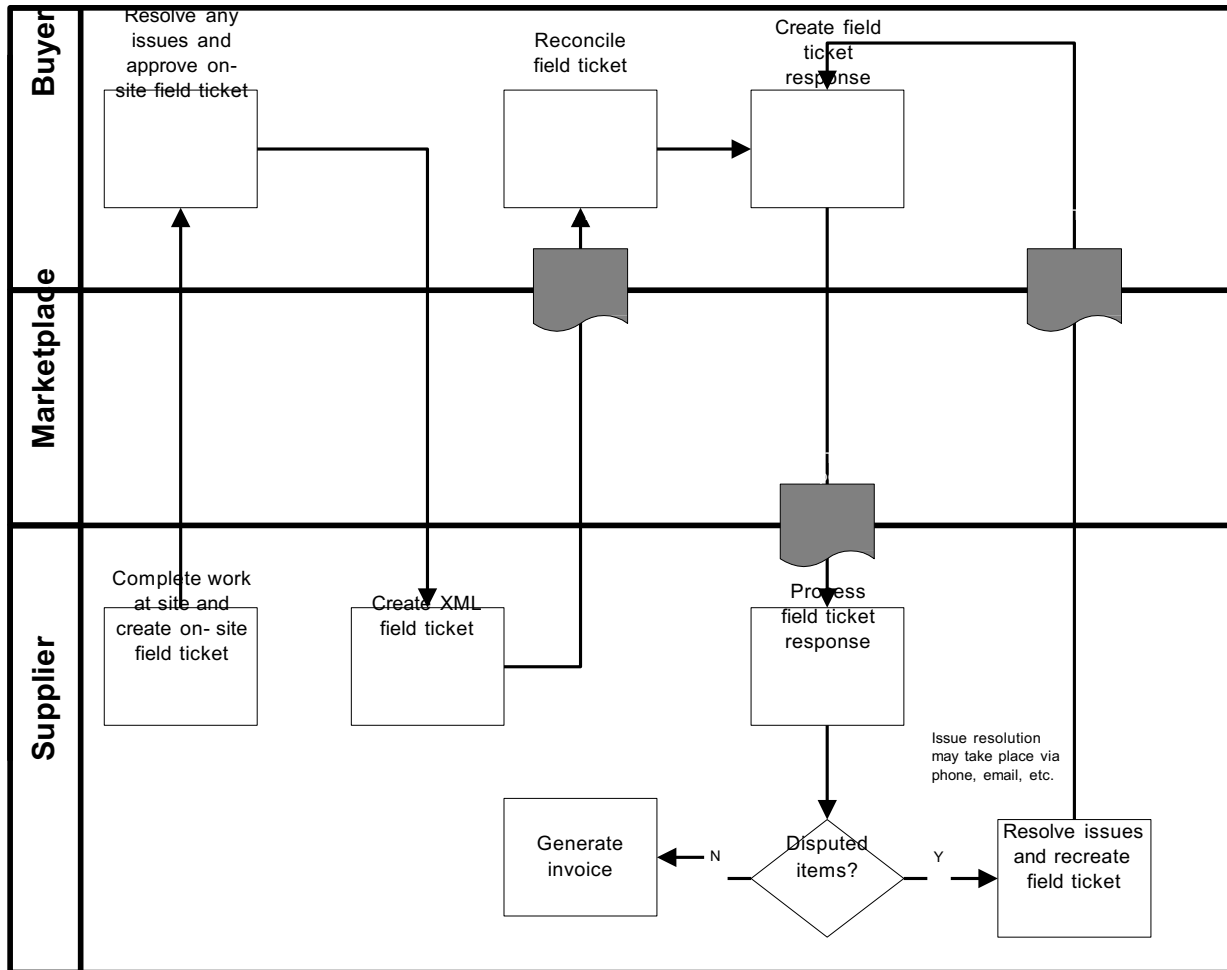
note	
level	OrderChangeProperties OrderChangeDetails

children	Name	Type	Use	Max	
	<u>WellIdentifier</u>	string	M	U	
	A unique identifier referencing a well, such as an UWI number.				
	WellName	string	O	1	
	The customer name of a well.				
	WellType	string	O	1	
	A code indicating the function of the well.				
	Brine	DirectionalGas			
	DirectionalNonWell	DirectionalOil			
	DisposalWell	Environmental			
	Gas	HorizontalGas			
	HorizontalOil	IndustrialDisposal			
	IndustrialNonWell	Injection			
	NonWell	Oil			
	Relief	Storage			
	Sulfur	Thermal			
	Uranium	Water			
	Other				
	WellCategory	string	O	1	
	A code indicating the category of a well.				
Abandoned	DevBelow3000				
Development	ExistingWell				
NonWell	ReacidizeWell				
Recompletion	RefractedWell				
Wildcat	Workover				
Other					
parent(s)	<u>JobLocationInformation</u>				

12.0 Field Ticket

12.1 Business Process Diagram

Below is the Business Process Diagram for the Field Ticket transaction. This is not the only method in which the process can take place, however, it represents a primary process. Third parties, including a Marketplace, may be involved if necessary.



Process Model - A Seller completes work at a customer site. An on-site field ticket is generated and given to the Buyer for approval. The Buyer approves the field ticket, indicating any changes that might be necessary on the field ticket. The seller uses the on-site field

ticket information to create an XML field ticket and sends it to the Buyer. The Buyer processes the XML field ticket and sends a response accepting or disputing the field ticket information in whole or in part. Any disputes are handled by phone, email, etc. If necessary, once disputes are resolved, a corrected field ticket is generated and sent to the Buyer.

The Field Ticket document is used a record of the work done at a Buyer's site. Usually, an on-site field ticket is generated and approved. The XML Field Ticket document is generated after the fact as an electronic record of the field ticket information to be sent to the Buyer.

12.2 Legend to Tables

The following tables detail the elements and attributes that make up the Field Ticket. The legend below provides guidance to understanding the element tables. The legend is an example only and is not part of the document standard data.

Telephone ¹ ²

A collection of elements detailing information about a telephone number.

³ note						
level	OrderCreateProperties OrderCreateDetails	⁴				
children	<p>⁵ Name</p> <p>PhoneNumber ⁶ ⁷ string ⁸ M ⁹ 1</p> <p>A numerical sequence to reach a telephone attached to a communication network.</p> <p>PhoneNumberExtension string O 1</p> <p>An extension number that is needed to further identify the phone number.</p> <p>TelecomCountryCode string O 1</p> <p>The dialing code from another country to access the telephone network in another country.</p> <p>TelecomAreaCode string O 1</p> <p>The area code within a country or jurisdiction, if needed, to access local telephones within the country.</p>					
parent(s)	ContactInformation					
attributes	<p>Name ¹⁰ telephoneIndicator ¹¹ ¹⁴ ¹² string ¹³ O</p> <p>A code to indicate the type of phone number being given.</p> <p>Fax <input type="checkbox"/> Mobile</p> <p>Pager <input type="checkbox"/> Voice</p> <p>Other <input type="checkbox"/></p>					

Legend	
1	The name of the element.
2	The definition of the element.
3	Contains any business rules or comments about the element
4	Identifies whether or not the element is under the Property, Detail, or Summary level of the document
5	Contains the name of the child elements and their definitions. Those elements in blue are links to the element specification. Only those elements that contain children or attributes are hyperlinked.
6	Indicates the data type of the element.
7	Indicates whether the element is mandatory (M) or optional (O).
8	Indicates whether the element can have a maximum of one occurrence (1) or unbounded multiple occurrences (U)
9	Indicates the parent element of the element.

10	Contains the name of any attributes and their definitions.
11	Indicates the data type of the attribute. If the type is blank, then the element contains children rather than data.
12	Indicates whether the attribute is mandatory (M) or optional (O).
13	Provides a fixed value for the attribute.
14	The shaded areas provide either code list values, rules, or notes about the child element or attribute.

The document, its properties, details, line item, sub-line item, and summary elements are presented first. They are followed by an alphabetical listing of those elements used in the document and have children or attributes.

12.3 Document Detail

FieldTicket

The root element of the Field Ticket message. It is used to send details of work completed during a specified time period.

note		Type	Use	Max
children	Name			
	FieldTicketProperties		M	1
	A collection of elements defining the field ticket "meta-data" or "common data".			
	FieldTicketDetails		M	1
	A collection of elements defining the details of the Field Ticket message.			
	FieldTicketSummary		M	1
	A collection of elements detailing the totals of the field ticket.			
attributes	Name	Type	Use	Fixed
	transactionPurposeIndicator	string	M	
	A code indicating the purpose of the transaction.			
	Add			
	Cancellation	Change		
	Confirmation	Delete		
	Duplicate	Original		
	Replace	Request		
	Other			
	version	decimal	M	1.0
A fixed number indicating the version of the PIDX XML Standard on which the transaction is based.				

FieldTicketProperties

A collection of elements defining the field ticket "meta-data" or "common data".

note	
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children	Name	Type	Use	Max
	FieldTicketNumber A unique identifier for a Field Ticket.	string	M	1
	FieldTicketDate The date upon which a field ticket was created or deemed to have been issued. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	M	1
	PartnerInformation A collection of elements detailing partner information.		M	U
	ApproverName The name of the person who approved the document.	string	O	1
	ApprovalDate The date upon which the document was approved. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	O	1
	CountryOfFinalDestination The country where product is ultimately delivered or is deemed to have been delivered.		O	1
	RevisionNumber A number indicating the version of the document. It is used if a message is resent in its entirety to replace an earlier version.	string	O	1
	PurchaseOrderInformation A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.		O	1
	PurchaseOrderLineItemNumber A sequential individual line identifier within a purchase order document containing product or item information.	string	O	1
	PrimaryCurrency The currency code indicating the currency to be used for the transaction.		O	1
	SecondCurrency The currency code indicating a second currency, such as for European countries using the Euro and a local currency.		O	1
	ServiceDateTime The actual and/or schedule dates for a service.	datetime	O	U
	LanguageCode A code indicating the language used for the transaction. Use the codelist from ISO 639-2:1998 Codes for the representation of names of languages – Part 2: Alpha-3 Code.	string	O	1
	JobLocationInformation A collection of elements giving details of a job location.		O	1
	JobSummary A free-form textual summary of the job.	string	O	1
	CountryOfOrigin The country where product originates or is deemed to have originated.		O	1
	TransportInformation A collection of elements detailing how product is transported.		O	1
	PaymentTerms A collection of elements detailing payment terms information.		O	1

	<p>SpecialInstructions string O U</p> <p>A free-form textual description of special requirements.</p> <p>ReferenceInformation O U</p> <p>A collection of elements detailing references to information that reside outside of the current transaction message.</p> <p>Attachment O U</p> <p>A collection of elements defining the details of an attachment to the document.</p> <p>Comment string O 1</p> <p>A free-form textual structure for general information or comments.</p>
parent(s)	FieldTicket

FieldTicketDetails

A collection of elements defining the details of the Field Ticket message.

note				
children	<p>Name Type Use Max</p> <p>FieldTicketLineItem M U</p> <p>A collection of elements defining the details of the line items making up the field ticket</p>			
parent(s)	FieldTicket			

FieldTicketLineItem

A collection of elements defining the details of the line items making up the field ticket.

note	
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children	Name	Type	Use	Max
	LineItemNumber A sequential individual line identifier within a document containing service or item information.	string	M	1
	LineItemInformation A collection of elements detailing identifying information about a line item.		M	1
	FieldTicketQuantity The number of units of an item or service consumed.		M	1
	CommodityCode A code indicating the categorization of a product or service in accordance with a particular standard.	string	O	U
	PurchaseOrderSubLineItemNumber A sequential individual sub-line identifier within an Order Create document containing product or item information that relates back to a parent line item.	string	O	1
	PurchaseOrderInformation A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.		O	1
	PersonnelInformation A collection of elements detailing relevant personnel information.		O	U
	PartnerInformation A collection of elements detailing partner information.		O	U
	JobLocationInformation A collection of elements giving details of a job location.		O	1
	Pricing A collection of elements detailing price information.		O	1
	AllowanceOrCharge A collection of elements defining the details of an allowance or charge to the customer.		O	U
	Tax A collection of elements detailing information about tax applied to a transaction.		O	U
	ShippingAmount The monetary amount of shipping or freight charges.		O	1
	LineItemTotal The net total monetary amount for the line item.		O	1
	ServiceDateTime The actual and/or schedule dates for a service.	datetime	O	U
	EquipmentIdentifier A unique identifier for a piece of equipment such as used for transportation of product.	string	O	U
	EquipmentDescription A free-form textual description of carrier equipment.	string	O	U
	CountryOfOrigin The country where product originates or is deemed to have originated.		O	1
	CountryOfFinalDestination The country where product is ultimately delivered or is deemed to have been delivered.		O	1
	TransportInformation		O	1

	<p>A code indicating the mode of transportation used to move product.</p> <p>PaymentTerms O 1</p> <p>A collection of elements detailing payment terms information.</p> <p>SpecialInstructions string O U</p> <p>A free-form textual description of special requirements.</p> <p>PackagingCharacteristicCode string O U</p> <p>A code indicating the marking, packaging, loading and related characteristics being described.</p> <p>PackageSpecifications</p> <p>ProductMarking SkidPalletType</p> <p>TypeOfPackage Other</p> <p>PackagingCharacteristicDescription string O U</p> <p>Free-form text providing any additional information associated with the Packaging Characteristic Code.</p> <p>ReferenceInformation O U</p> <p>A collection of elements detailing references to information that reside outside of the current transaction message.</p> <p>Attachment O U</p> <p>A collection of elements defining the details of an attachment to the document.</p> <p>Comment string O 1</p> <p>A free-form textual structure for general information or comments.</p> <p>FieldTicketSubLineItem O U</p> <p>A collection of elements defining the details of the sub line items of a field ticket. It is used if a line item needs to be broken down into further detail.</p>
parent(s)	FieldTicketDetails

FieldTicketSubLineItem

A collection of elements defining the details of the sub line items of a field ticket. It is used if a line item needs to be broken down into further detail.

note	
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children	Name	Type	Use	Max
	SubLineItemNumber The sub-line item number relating to the primary line item referenced in the message.	string	M	1
	LineItemInformation A collection of elements detailing identifying information about a line item.		M	1
	FieldTicketQuantity The number of units of an item or service consumed.		M	1
	CommodityCode A code indicating the categorization of a product or service in accordance with a particular standard.	string	O	U
	PurchaseOrderSubLineItemNumber A sequential individual sub-line identifier within an Order Create document containing product or item information that relates back to a parent line item.	string	O	1
	PurchaseOrderInformation A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.		O	1
	PersonnelInformation A collection of elements detailing relevant personnel information.		O	U
	PartnerInformation A collection of elements detailing partner information.		O	U
	JobLocationInformation A collection of elements giving details of a job location.		O	1
	Pricing A collection of elements detailing price information.		O	1
	AllowanceOrCharge A collection of elements defining the details of an allowance or charge to the customer.		O	U
	Tax A collection of elements detailing information about tax applied to a transaction.		O	U
	ShippingAmount The monetary amount of shipping or freight charges.		O	1
	LineItemTotal The net total monetary amount for the line item.		O	1
	ServiceDateTime The actual and/or schedule dates for a service.	datetime	O	U
	EquipmentIdentifier A unique identifier for a piece of equipment such as used for transportation of product.	string	O	U
	EquipmentDescription A free-form textual description of carrier equipment.	string	O	U
	CountryOfOrigin The country where product originates or is deemed to have originated.		O	1
	CountryOfFinalDestination The country where product is ultimately delivered or is deemed to have been delivered.		O	1
	TransportInformation A code indicating the mode of transportation used to move product.		O	1
	PaymentTerms		O	1

	<p>A collection of elements detailing payment terms information.</p> <p>SpecialInstructions string O U</p> <p>A free-form textual description of special requirements.</p> <p>PackagingCharacteristicCode string O U</p> <p>A code indicating the marking, packaging, loading and related characteristics being described.</p> <p>PackageSpecifications</p> <p>ProductMarking SkidPalletType</p> <p>TypeOfPackage Other</p> <p>PackagingCharacteristicDescription string O U</p> <p>Free-form text providing any additional information associated with the Packaging Characteristic Code.</p> <p>ReferenceInformation O U</p> <p>A collection of elements detailing references to information that reside outside of the current transaction message.</p> <p>Attachment O U</p> <p>A collection of elements defining the details of an attachment to the document.</p> <p>Comment string O 1</p> <p>A free-form textual structure for general information or comments.</p>
parent(s)	FieldTicketLineItem

FieldTicketSummary

A collection of elements detailing the totals of the field ticket.

note	
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	Name	Type	Use	Max
children	TotalLineItems	integer	M	1
	The total number of line items contained in a message.			
	<u>AllowanceOrCharge</u>		O	U
	A collection of elements defining the details of an allowance or charge to the customer.			
	<u>ShippingAmount</u>		O	U
	The monetary amount of shipping or freight charges.			
	<u>Tax</u>		O	U
	A collection of elements detailing information about tax applied to a transaction.			
	<u>SubTotalAmount</u>		O	U
	The monetary amount of the subtotal. It is qualified by the subTotalIndicator attribute which identifies what the subtotal is referencing.			
parent(s)	<u>FieldTicketTotal</u>		O	1
	The total monetary amount of the field ticket.			
	<u>TermsDiscountAmount</u>		O	1
	The total monetary amount of the payment terms discount.			
	<u>DiscountedAmountDue</u>		O	1
	The monetary amount due if paid by terms discount due date (total invoice or installment amount less cash discount.)			

AddressInformation

A collection of elements defining the details of an address.

note				
level	FieldTicketProperties FieldTicketDetails			
children	<p>Name</p> <p>POBoxNumber The identity of a physical box within a postal facility to accept and receive mail.</p> <p>BuildingHouseNumber The alphanumeric identifier of a building as a part of an address.</p> <p>StreetName The name of a street as part of an address.</p> <p>AddressLine An occurrence of a generally accepted formatted line of data such that when combined with the entire address structure there is sufficient information for delivery or location purposes.</p> <p>CityName The name of the city or municipality.</p> <p>StateProvince The name of the municipality or town as a location for mailing, siting and other geographic functions.</p> <p>PostalCode The code assigned by local postal authorities to delivery addresses.</p> <p>PostalCountry The country code indicating the country to which mail should be delivered.</p> <p>CountyName The name of the county.</p> <p>LocationIdentifier A unique identifier for a physical location.</p>	Type	Use	Max
		string	0	1
		string	0	1
		string	0	1
		string	0	U
		string	0	1
		string	0	1
		string	0	1
		string	0	1
parent(s)	JobLocationInformation Location PartnerInformation TaxLocation			

AllowanceOrCharge

A collection of elements defining the details of an allowance or charge to the customer.

note	If AllowanceOrCharge is used, then at least one of AllowanceOrChargeRate, AllowanceOrChargeTotalAmount, or AllowanceOrChargePercent is required.
level	FieldTicketDetails FieldTicketSummary

children	Name	Type	Use	Max
	AllowanceOrChargeTotalAmount The total monetary amount for the allowance or charge.		0	1
	AllowanceOrChargeRate The rate per unit of the allowance or charge.		0	1
	AllowanceOrChargePercent The allowance or charge expressed as a percentage.	decimal	0	1
	AllowanceOrChargeNumber The identifier assigned by a vendor referencing an allowance, promotion, deal or charge.	string	0	1
	AllowanceOrChargeTypeCode A code identifying the kind of allowance or charge being described.	string	0	1
	Freight FuelSurcharge			
	SpecialHandlingService Discount			
	FlatRate			
	EngineeringCharge			
	InvoiceAdjustment			
	InsuranceSurcharge			
	OneTimeLicenseFee Royalties			
	MiscellaneousCharge PostageCharge			
	TrailerRentalCharge			
	TransportationDirectBilling			
	TransportationVendorProvided Other			
	MethodOfHandlingCode A code which describes how a particular allowance or charge should be handled.	string	0	1
	OffInvoice			
	ChargeToBePaidByCustomer			
	Other			
	AllowanceOrChargeDescription A free form description used to clarify the related allowance and charge data elements and their content.	string	0	1
	AllowanceOrChargeQuantity The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.		0	1
parent(s)	FieldTicketLineItem FieldTicketSubLineItem FieldTicketSummary			

attributes	Name	Type	Use	Fixed
	allowanceOrChargeIndicator A code to indicate whether the information relates to an allowance or charge.	string	M	
	Allowance			
	Charge			
	Other			

AllowanceOrChargePercent

The allowance or charge expressed as a percentage.

note				
level	FieldTicketDetails FieldTicketSummary			
parent(s)	AllowanceOrCharge			
attributes	Name	Type	Use	Fixed
	percentIndicator	string	O	
	A code indicating on what basis the allowance or charge percent is calculated.			

AllowanceOrChargeQuantity

The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.

note				
level	FieldTicketDetails FieldTicketSummary			
children	Name	Type	Use	Max
	Quantity	decimal	M	1
	A numeric count of measure.			
	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed.			
	Use values from the DE 355 code list contained in ASC X12 release 3030.			
parent(s)	AllowanceOrCharge			

AllowanceOrChargeRate

The rate per unit of the allowance or charge.

note				
level	FieldTicketDetails FieldTicketSummary			
children	Name	Type	Use	Max
	MonetaryAmount	decimal	M	1
	The currency value of a transaction or item.			
	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed.			
	Use values from the DE 355 code list contained in ASC X12 release 3030.			
	CurrencyCode	string	O	1
	A code indicating the currency in which the monetary amount is specified.			
	Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.			
parent(s)	AllowanceOrCharge			

AllowanceOrChargeTotalAmount

The total monetary amount for the allowance or charge.

note				
level	FieldTicketDetails FieldTicketSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	CurrencyCode	string	O	1

	A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.
parent(s)	AllowanceOrCharge

AlternativeCommunicationMethod

Additional methods of communication, such as an IP Address or Printer ID, in addition to those specifically listed elsewhere in contact or address information.

note																																									
level	FieldTicketProperties FieldTicketDetails																																								
parent(s)	ContactInformation																																								
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Fixed</th> </tr> </thead> <tbody> <tr> <td>alternativeCommunicationMethodIndicator</td> <td>string</td> <td>M</td> <td></td> </tr> <tr> <td colspan="4">A code to indicate the type of alternative communication method.</td> </tr> <tr> <td>AUTOVON</td> <td></td> <td></td> <td></td> </tr> <tr> <td>EDIAccessNumber</td> <td></td> <td></td> <td></td> </tr> <tr> <td>FederalTelecommunicationsSystem</td> <td>IPAddress</td> <td></td> <td></td> </tr> <tr> <td>PacketSwitching</td> <td>PrinterID</td> <td></td> <td></td> </tr> <tr> <td>StationCode</td> <td>Telemail</td> <td></td> <td></td> </tr> <tr> <td>Telex</td> <td>TWX</td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Fixed	alternativeCommunicationMethodIndicator	string	M		A code to indicate the type of alternative communication method.				AUTOVON				EDIAccessNumber				FederalTelecommunicationsSystem	IPAddress			PacketSwitching	PrinterID			StationCode	Telemail			Telex	TWX			Other			
Name	Type	Use	Fixed																																						
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PacketSwitching	PrinterID																																								
StationCode	Telemail																																								
Telex	TWX																																								
Other																																									

Attachment

A collection of elements defining the details of an attachment to the document.

note	
level	FieldTicketProperties FieldTicketDetails

children	Name	Type	Use	Max
	AttachmentPurposeCode A code to indicate the purpose of the attachment.	string	0	1
	Template			
	Other			
	FileName The name of the file in an attachment.	string	0	1
	AttachmentTitle The title of the attachment.	string	0	1
	AttachmentDescription A free-form textual description of the attachment.	string	0	1
	FileType The type of the file in an attachment.	string	0	1
	AttachmentLocation The location of the attachment, such as a URL.	string	0	1
parent(s)	FieldTicketLineItem FieldTicketProperties			

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Block

A collection of elements defining the details of a block, which identifies a location.

note					
level	FieldTicketProperties FieldTicketDetails				
children	Name	Type	Use	Max	
	BlockName	string	0	1	
	The name of the block, which identifies a location.				
	OCSGNumber	string	0	1	
	The Outer Continental Shelf Gulf number.				
	StateLease	string	0	1	
	Lease on state land.				
parent(s)	GeographicalInformation				

CommodityCode

A code indicating the categorization of a product or service in accordance with a particular standard.

note					
level	FieldTicketDetails				
parent(s)	FieldTicketLineItem FieldTicketSubLineItem				
attributes	Name	Type	Use	Fixed	
	agencyIndicator	string	0		
	A code indicating what agency or organization is responsible for defining the commodity code list.				

ContactIdentifier

The identifier of the contact person or department.

note					
level	FieldTicketProperties FieldTicketDetails				
parent(s)	ContactInformation				
attributes	Name	Type	Use	Fixed	
	contactIdentifierIndicator	string	0		
	A code to identify the origin of the contact identifier.				
	AssignedByBuyer				
	AssignedBySeller	EmployeeID			
	Other				

ContactInformation

A collection of elements defining details of communication for a contact person.

note	It is recommended that ContactInformation be used at either the Property or Detail level, but not both.				
level	FieldTicketProperties FieldTicketDetails				
children	Name	Type	Use	Max	
	ContactIdentifier	string	O	1	
	The identifier of the contact person or department.				
	ContactName	string	O	1	
	The name of the contact person within the organization.				
	ContactDescription	string	O	1	
	A free-form textual description of the contact.				
	Telephone			O	U
	A collection of elements detailing information about a telephone number.				
	EmailAddress	string	O	1	
The address assigned to a person or organization to receive electronic messages.					
AlternativeCommunicationMethod	string		O	U	
Additional methods of communication, such as an IP Address or Printer ID, in addition to those specifically listed elsewhere in contact or address information.					
parent(s)	PartnerInformation				
attributes	Name	Type	Use	Fixed	
	contactInformationIndicator	string	M		
	A code indicating the function of the contact.				
	BuyerDepartment	DeliveryContact			
	DesignEngineer	Engineer			
	EnteredBy				
	FieldRepresentative				
	OfficeRepresentative				
	OrderContact	PurchasingAgent			
	QuotePreparer	QuoteRequestor			
	RFQContact				
	SalesRepresentative				
	ServiceCoordinator				
	TechnicalMarketingRepresentative				
	Other				

CountryOfFinalDestination

The country where product is ultimately delivered or is deemed to have been delivered.

note				
level	FieldTicketProperties FieldTicketDetails			
children	Name CountryCode A code indicating a country.	Type string	Use M	Max 1

	<p>use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions - Part 1: Country Codes.</p>
parent(s)	<p>fjt>ldljpkkffll jpt>ttPm FieldTicket.Properties FieldTicketSublineItem</p>

CountryOfOrigin

The country where product originates or is deemed to have originated.

note				
level	FieldTicketProperties FieldTicketDetails			
children	Name CountryCode A code indicating a country. Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.	Type string	Use M	Max 1
parent(s)	FieldTicketLineItem FieldTicketProperties FieldTicketSubLineItem			

Deferred

The terms for a deferred payment in relation to a transaction.

note				
level	FieldTicketProperties FieldTicketDetails			
children	Name DeferredAmount The monetary amount that is deferred for payment based upon terms in an invoice, contract or agreement. DeferredDueDate The date upon which a deferred payment is due. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day. PercentDeferredPayable The amount due that is deferred for payment expressed as a percentage. Description A free-form textual explanation or clarification.	Type date decimal string	Use O O O	Max 1 1 1
parent(s)	PaymentTerms			

DeferredAmount

The monetary amount that is deferred for payment based upon terms in an invoice, contract or agreement.

note				
level	FieldTicketProperties FieldTicketDetails			

children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
parent(s)	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
	Deferred			

DiscountAmount

The monetary amount of a discount based upon payment terms.

note				
level	FieldTicketProperties FieldTicketDetails			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal string	M O	1 1
parent(s)	Discounts			

DiscountedAmountDue

The monetary amount due if paid by terms discount due date (total invoice or installment amount less cash discount.)

note				
level	FieldTicketSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal string	M O	1 1
parent(s)	FieldTicketSummary			

Discounts

The monetary amount allowed or applied as a credit against a transaction or balance.

note				
level	FieldTicketProperties FieldTicketDetails			



children	Name	Type	Use	Max
	DaysDue	integer	0	1
	The number of days from the payment terms basis date before a discount expires.			
	DiscountsDueDate	date	0	1
	The date upon which a discount expires. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.			
	PercentDiscount	decimal	0	1
	A discount to be applied to the transaction expressed as a percentage.			
	<u>DiscountAmount</u>		0	1
	The monetary amount of a discount based upon payment terms.			
parent(s)	Description	string	0	1
	A free-form textual explanation or clarification.			
	<u>PaymentTerms</u>			

EffectiveDates

The period of time (or range) where the information is valid or guaranteed.

note					
level	FieldTicketProperties FieldTicketDetails				
children	Name	Type	Use	Max	
	FromDate The date upon which a time period begins. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	M	1	
children	ToDate The date upon which a time period ends. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	M	1	
	parent(s)	TaxInformation			

FieldTicketQuantity

The number of units of an item or service consumed.

note					
level	FieldTicketProperties FieldTicketDetails				
children	Name	Type	Use	Max	
	Quantity A numeric count of measure.	decimal	M	1	
children	UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.	string	M	1	
	parent(s)	FieldTicketLineItem FieldTicketSubLineItem			

FieldTicketTotal

The total monetary amount of the field ticket.

note					
level	FieldTicketSummary				
children	Name	Type	Use	Max	
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1	
children	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1	

parent(s)	FieldTicketSummary
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GeographicalInformation

A collection of elements defining a geographical location.

note	If any one of Section, Township, or Range is given then the other two are required.				
level	FieldTicketProperties FieldTicketDetails				
children	Name	Type	Use	Max	
	FieldName	string	O	1	
	The name of the oil field.				
	Section	string	O	1	
	A part of Section/Township/Range location identifier scheme.				
	Township	string	O	1	
	A part of Section/Township/Range location identifier scheme.				
	Range	string	O	1	
A part of Section/Township/Range location identifier scheme.					
Region	string	O	1		
The name of a geographic region.					
Block			O	1	
A collection of elements defining the details of a block, which identifies a location.					
GPSCoordinates			O	1	
A collection of elements containing latitude and longitude data for a specific location.					
parent(s)	JobLocationInformation Location				

GPSCoordinates

A collection of elements containing latitude and longitude data for a specific location.

note					
level	FieldTicketProperties FieldTicketDetails				
children	Name	Type	Use	Max	
	Latitude	string	M	1	
	The specified latitude of a location.				
Longitude	string	M	1		
The specified longitude of a location.					
parent(s)	GeographicalInformation				

HazardousMaterialClassCode

A code indicating the kind of hazard for a material.

note	
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level	FieldTicketProperties FieldTicketDetails			
parent(s)	HazardousMaterials			
attributes	Name hazardousMaterialIndicator A code which qualifies the Hazardous Material Class Code.	Type string	Use M	Fixed

HazardousMaterials

A collection of elements conveying hazardous goods information related to a product.

note	If HazardousMaterials is used, then at least one of SpecialHandlingCode or HazardousMaterialDescription is required.			
level	FieldTicketProperties FieldTicketDetails			
children	Name	Type	Use	Max
	SpecialHandlingCode	string	0	1
	A code identifying any special transportation handling instructions			
	HazardousMaterialDescription	string	0	1
	A free-form textual explanation of information related to a hazardous shipment.			
	HazardousMaterialClassCode	string	0	U
	A code indicating the kind of hazard for a material.			
parent(s)	TransportInformation			

JobLocationIdentifier

A unique identifier referencing the job location.

note				
level	FieldTicketProperties FieldTicketDetails			
parent(s)	JobLocationInformation			
attributes	Name	Type	Use	Fixed
	jobLocationIdentifierIndicator	string	0	
	A code to define what type of location the identifier is referencing.			
	ChemicalPlant	Coal-		
	Degas	CogenerationPlant		
	Construction	Dock		
	GasPlant			
	IndustrialServiceMiscellaneous			
	MilitaryGovernment	PaperMill		
	PetroleumPlant	Pipeline		
	Refinery	Rig		
	UtilityPlant			
	Other			

JobLocationInformation

A collection of elements giving details of a job location.

note	
level	FieldTicketProperties FieldTicketDetails

children	Name	Type	Use	Max
	JobLocationIdentifier A unique identifier referencing the job location.	string	O	U
	JobLocationClassCode A code indicating the class of the job location.	string	O	1
	FederalWaters Land InlandWaters StateWaters Other			
	JobLocationDescription A free-form textual description of the job location.	string	O	1
	JobLocationStatus A code indicating whether a location is active or inactive.	string	O	1
	Inactive Active Other			
	WellInformation A collection of elements detailing information about a well.		O	1
	JobSiteCategory A code indicating the kind of site on which the job is located.	string	O	1
	Boiler CivilHighways Compression Condenser ConstructPiles Dams HeatExchanger IndustrialServiceMiscellaneous Piping Production TowerVessel Turbine UndergroundStr Other			
	AddressInformation A collection of elements defining the details of an address.		O	1
	GeographicalInformation A collection of elements defining a geographical location.		O	1
parent(s)	FieldTicketLineItem FieldTicketProperties FieldTicketSubLineItem			

LinItemIdentifier

The unique identifier for a product or service making up the line item.

note				
level	FieldTicketDetails			
parent(s)	LinItemInformation			
attributes	Name	Type	Use	Fixed
	identifierIndicator	string	M	
	A code to indicate the origin of the identifier.			
	AssignedByBuyer			
	AssignedByManufacturer			
	AssignedBySeller			
	CatalogueNumber	UPCNumber		
	Other			

LinItemInformation

A collection of elements detailing identifying information about a line item.

note				
level	FieldTicketDetails			
children	Name	Type	Use	Max
	LinItemIdentifier	string	O	U
	The unique identifier for a product or service making up the line item.			
	LinItemName	string	O	1
	The name of the product or service in the line item.			
children	LinItemDescription	string	O	1
	A free-form textual description of the line item.			
	ManufacturerIdentifier	string	O	1
A unique identifier for a manufacturer.				
parent(s)	FieldTicketLinItem			
	FieldTicketSubLinItem			

LinItemTotal

The net total monetary amount for the line item.

note				
level	FieldTicketDetails			
children	Name	Type	Use	Max
	MonetaryAmount	decimal	M	1
	The currency value of a transaction or item.			
children	CurrencyCode	string	O	1
	A code indicating the currency in which the monetary amount is specified.			

	Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.
parent(s)	FieldTicketLineItem FieldTicketSubLineItem

Location

A collection of elements giving details about a location.

note					
level	FieldTicketProperties FieldTicketDetails				
children	Name	Type	Use	Max	
	LocationIdentifier	string	O	1	
	A unique identifier for a physical location.				
	LocationName	string	O	1	
	The name of the location being referenced.				
	AddressInformation		O	1	
children	A collection of elements defining the details of an address.				
	GeographicalInformation		O	1	
	A collection of elements defining a geographical location.				
	LocationDescription	string	O	1	
Free-form textual description of the location.					
parent(s)	TransportInformation				
attributes	Name	Type	Use	Fixed	
	locationIndicator	string	O		
	A code to identify what kind of location is being referenced. FreightEqualizationPoint				
	OnVessel-FOBPoint				
	AssignedBySeller				
	Origin-AfterLoadingOnEquipment				
	Origin-ShippingPoint				
	Plant				
	ShippingDestination				
	Warehouse				
	Other				

MeasurementRange

A collection of elements providing a minimum and maximum measurement to create a range.

note					
level	FieldTicketProperties FieldTicketDetails				
children	Name	Type	Use	Max	
	MinimumMeasurement	decimal	M	1	
	The smallest measurement in a given range.				
children	MaximumMeasurement	decimal	M	1	
	The largest measurement in a given range.				

parent(s)	PriceBasis
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PartnerIdentifier

A unique identifier indicating a particular partner or organization.

note				
level	FieldTicketProperties FieldTicketDetails			
parent(s)	PartnerInformation			
attributes	Name	Type	Use	Fixed
	partnerIdentifierIndicator	string	M	
	A code to identify the origin of the Partner Identifier.			
	AssignedByBuyer			
	AssignedBySeller	DUNSNumber		
	DUNS+4Number			
	Other			

PartnerInformation

A collection of elements detailing partner information.

note				
level	FieldTicketProperties FieldTicketDetails			
children	Name PartnerIdentifier A unique identifier indicating a particular partner or organization. PartnerName The name of the organization being referenced in Partner Information. AddressInformation A collection of elements defining the details of an address. ContactInformation A collection of elements defining details of communication for a contact person. TaxInformation A collection of elements detailing tax information about a partner. URL A Uniform Resource Locator indicating an internet address.	Type string string string string string string	Use M O O O O	Max U 1 1 U 1 1
parent(s)	FieldTicketLineItem FieldTicketProperties FieldTicketSubLineItem TransportInformation			

attributes	Name	Type	Use	Fixed
	partnerRoleIndicator	string	M	
	A code to indicate the role in this transaction of the partner being referenced.			
	BillAndShipTo			
	BillTo			
	Carrier			
	CommissionPayee			
	FinalRecipient			
	Manufacturer			
	Marketplace			
	MaterialIssuer			
	OnsiteContractingCompany			
	OperatingCompany			
	Payer			
	PrimaryContractor			
	RemitTo			
	Seller			
	ShipFromParty			
	ShipToParty			
	SoldTo			
	ThirdParty			
	Vendor			
	Warehouse			
	Other			

PaymentTerms

A collection of elements detailing payment terms information.

note	<p>If either one of PercentDiscount or DiscountAmount is used, then at least one of DiscountsDueDate or DaysDue is required.</p> <p>If DeferredDueDate is used, then at least one of DeferredAmountDue or PercentOfInvoicePayable is required.</p>			
level	<p>FieldTicketProperties</p> <p>FieldTicketDetails</p>			
children	Name	Type	Use	Max
	PaymentTermsOfSale	string	0	1
	The terms on which payment is calculated for the transaction.			
	Description	string	0	1
	A free-form textual explanation or clarification.			
	PaymentTermsBasisDateCode	string	0	1
	A code identifying the beginning of the terms period.			
	DeliveryDate InvoiceDate			
	InvoiceReceiptDate Other			
	PaymentTermsBasisDate	date	0	1
	The date from which payment terms or discounts are calculated or based.			
	Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.			
	TermsNetDays	integer	0	1
	The number of days until the total invoice amount is due (discount not applicable).			
	PercentOfInvoicePayable	decimal	0	1
	The amount of an invoice payable expressed as a percentage.			
	Discounts		0	1
	The monetary amount allowed or applied as a credit against a transaction or balance.			
	Deferred		0	1
	The terms for a deferred payment in relation to a transaction.			
	Penalty	string	0	1
	A percentage used to calculate the penalty on any balance unpaid by the due date.			
parent(s)	<p>FieldTicketLineItem</p> <p>FieldTicketProperties</p> <p>FieldTicketSubLineItem</p>			

PersonnelInformation

A collection of elements detailing relevant personnel information.

note	
level	FieldTicketDetails

children	Name	Type	Use	Max
	PersonnelName The name of the person being referenced.	string	0	1
	CompanyName The name of the company.	string	0	1
	PersonnelIdentifier A unique identifier for an employee of an organization.	string	0	1
	<u>TimeWorked</u> The time period worked by a specific employee completing a service.		0	1

	JobDescription A free-form textual description of the job.	string	O	1
	Comment A free-form textual structure for general information or comments.	string	O	1
parent(s)	FieldTicketLineItem FieldTicketSubLineItem			

PostalCountry

The country code indicating the country to which mail should be delivered.

note				
level	FieldTicketProperties FieldTicketDetails			
children	Name CountryCode A code indicating a country. Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.	Type	Use	Max
		string	M	1
parent(s)	AddressInformation			

PriceBasis

A structure allowing for a price to be based on more than just a single unit of measure.

note				
level	FieldTicketDetails			
children	Name Measurement A numeric value for technical or attribute data. MeasurementRange A collection of elements providing a minimum and maximum measurement to create a range. UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030. BasisDescription Free-form textual description of the basis.	Type	Use	Max
		decimal	O	1
			O	1
		string	M	1
		string	O	1
parent(s)	Pricing			

Pricing

A collection of elements detailing price information.

note				
level	FieldTicketDetails			

children	Name UnitPrice The unit price of the product or service being sold. PriceBasis A structure allowing for a price to be based on more than just a single unit of measure.	Type	Use	Max
parent(s)	FieldTicketLineItem FieldTicketSubLineItem		M O	1 U

PrimaryCurrency

The currency code indicating the currency to be used for the transaction.

note	
level	FieldTicketProperties
children	<p>Name Type Use Max</p> <p>CurrencyCode string M 1</p> <p>A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.</p>
parent(s)	FieldTicketProperties

PurchaseOrderInformation

A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.

note	
level	FieldTicketProperties FieldTicketDetails
children	<p>Name Type Use Max</p> <p>PurchaseOrderNumber string M 1</p> <p>A unique identifier for an Order Create message.</p> <p>PurchaseOrderIssuedDate date O 1</p> <p>The date upon which an order was created or deemed to have been issued. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.</p> <p>PurchaseOrderTypeCode string O 1</p> <p>A code indicating the kind of purchase order. Confirmation EmergencyOrder ReleaseOrDeliveryOrder RushOrder StandAloneOrder SupplyOrServiceOrder Other</p> <p>ReleaseNumber string O 1</p> <p>A number identifying a release against a purchase order previously placed by the parties involved in the transaction. It is the equivalent to a work order number.</p> <p>SalesOrderNumber string O 1</p> <p>The identifier assigned by a supplier to an order placed by a customer.</p> <p>RevisionNumber string O 1</p> <p>A number indicating the version of the document. It is used if a message is resent in its entirety to replace an earlier version.</p>

parent(s)	FieldTicketLineItem FieldTicketProperties FieldTicketSubLineItem
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ReferenceInformation

A collection of elements detailing references to information that reside outside of the current transaction message.

note	It is recommended that ReferenceInformation be used at either the Property or Detail level, but not both.				
level	FieldTicketProperties FieldTicketDetails				
children	Name	Type	Use	Max	
	ReferenceNumber A number or identifier that is used to reference documents or information not included within a particular message. The referenceInformationIndicator attribute qualifies what this number references Description A free-form textual explanation or clarification.	string	M	1	
parent(s)	FieldTicketLineItem FieldTicketProperties FieldTicketSubLineItem				

attributes	Name	Type	Use	Fixed
	referenceInformationIndicator	string	M	
	A code to identify what type of information is being referenced.			
	AFENumber	BatchNumber		
	BillOfLading	Certification		
	CertifiedInspectionTestResults			
	ConfigurationNumber			
	ContractNumber			
	CostAllocationReference	CostCenter		
	CustomerAccountingReference			
	CustomerReferenceNumber			
	DeliveryTicketNumber			
	DivisionIdentifier			
	EngineeringChangeOrderNumber	JobNumber		
	LetterOfCreditNumber			
	LocationNumber			
	MaterialSafetyDataSheet			
	OperatorGeneralLedgerCode			
	OriginalInvoiceNumber			
	PriceAreaNumber	ProjectNumber		
	ProposalNumber	QuoteNumber		
	RequestForQuotationNumber			
	TemplateName			
	Other			

SecondCurrency

The currency code indicating a second currency, such as for European countries using the Euro and a local currency.

note				
level	FieldTicketProperties			
children	<p>Name</p> <p>CurrencyCode</p> <p>A code indicating the currency in which the monetary amount is specified.</p> <p>Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.</p>	Type	Use	Max
		string	M	1
parent(s)	FieldTicketProperties			

ServiceDateTime

The actual and/or schedule dates for a service.

note	<p>Format is CCYY-MM-DDThh:mm:ss where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day. The letter "T" is the date/time separator and "hh", "mm", "ss" represent hour, minute and second respectively.</p> <p>The CCYY field must have at least four digits, the MM, DD, SS, hh, mm and ss fields exactly two digits each. Leading zeroes must be used if the field would otherwise have too few digits.</p> <p>If no time is to be given then use zeroes in the hh, mm and ss fields.</p> <p>This representation may be immediately followed by a "Z" to indicate Coordinated Universal Time (UTC) or, to indicate the time zone, i.e. the difference between the local time and Coordinated Universal Time, immediately followed by a sign, + or -, followed by the difference from UTC represented as hh:mm (note: the minutes part is required). For example, to indicate 1:20 pm on May the 31st, 1999 for Eastern Standard Time which is 5 hours behind Coordinated Universal Time (UTC), one would write: 1999-05-31T13:20:00-05:00.</p>
level	<p>FieldTicketProperties</p> <p>FieldTicketDetails</p>
parent(s)	<p>FieldTicketLineItem</p> <p>FieldTicketProperties</p> <p>FieldTicketSubLineItem</p>

attributes	Name	Type	Use	Fixed
	dateTypeIndicator	string	M	
	A code to identify which date being given.			
	ArriveLocationDate	InvoiceDueDate		
	InvoicePeriodStartDate			
	LeaveLocationDate			
	PromisedForDelivery			
	PromisedForShipment			
	RequestedForDelivery			
	RequestedForShipment			
	ServicePeriodEnd			
	ServicePeriodStart	ShipDate		
	Other			

ShippingAmount

The monetary amount of shipping or freight charges.

note					
level	FieldTicketDetails FieldTicketSummary				
children	Name	Type	Use	Max	
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1	
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1	
	parent(s)	FieldTicketLineItem FieldTicketSubLineItem FieldTicketSummary			

SpecialInstructions

A free-form textual description of special requirements.

note					
level	FieldTicketProperties FieldTicketDetails				
parent(s)	FieldTicketLineItem FieldTicketProperties FieldTicketSubLineItem				
attributes	Name	Type	Use	Fixed	
	instructionIndicator A code to identify the type of instruction being given. CarrierInstructions ConsigneeInstructions DriverInstructions EmptyReturnInstructions InspectionInstructions RoutingInstructions ShipperInstructions Tolerances	string	O		
		ShortLeadTime		Other	

SubTotalAmount

The monetary amount of the subtotal. It is qualified by the subTotalIndicator attribute which identifies what the subtotal is referencing.

note				
level	FieldTicketSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
parent(s)	FieldTicketSummary			
attributes	Name	Type	Use	Fixed
	subTotalIndicator A code to indicate the type of subtotal being given. Equipment Labor Materials Other	string	M	

Tax

A collection of elements detailing information about tax applied to a transaction.

note	It is recommended that Tax be used at the Detail level to support tax exemptions. However, many systems cannot provide detail-level Tax information at this time, therefore, Tax is not mandatory at the detail level.
level	FieldTicketDetails FieldTicketSummary

children	Name	Type	Use	Max
	TaxTypeCode	string	M	1
	A code indicating the kind of tax being applied.			
	CitySalesTax			
	CountyParishSalesTax	CountyTax		
	FederalExciseTax			
	GoodsAndServicesTax			
	GrossReceiptsTax	LocalTax		
	MetropolitanTransitTax			
	StateAndLocalSalesTax			
	StateProvincialTax	StateSalesTax		
	ValueAddedTax	WellServiceTax		
	Other			
	MixedRateIndicator	string	O	1
	A mixed rate VAT tax indicator. This is used for European tax purposes.			
	TaxIdentifierNumber	string	O	1
	A unique number or code issued to an organization by a governmental or regulatory body identifying that entity for tax purposes.			
TaxExemptCode	string	O	1	
A code identifying exemption status from sales and use tax.				
DirectPay	Exempt			
NonExempt	Other			
<u>TaxLocation</u>		O	1	
The physical or deemed location at which tax is calculated based upon jurisdiction by a governmental or regulatory body.				
TaxRate	decimal	O	1	
The percentage or monetary amount charged on a transaction.				
<u>TaxBasisAmount</u>		O	1	
The monetary amount which is subject to tax.				
<u>TaxAmount</u>		O	1	
The monetary amount of the tax.				
TaxReference	string	O	1	
A free-form textual explanation or clarification.				
parent(s)	FieldTicketLineItem FieldTicketSubLineItem FieldTicketSummary			

TaxAmount

The monetary amount of the tax.

note				
level	FieldTicketDetails FieldTicketSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal	M	1
		string	O	1
parent(s)	Tax			

TaxBasisAmount

The monetary amount which is subject to tax.

note				
level	FieldTicketDetails FieldTicketSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal	M	1
		string	O	1
parent(s)	Tax			

TaxInformation

A collection of elements detailing tax information about a partner.

note				
level	FieldTicketProperties FieldTicketDetails			

children	Name	Type	Use	Max
	TaxIdentifierNumber A unique number or code issued to an organization by a governmental or regulatory body identifying that entity for tax purposes.	string	0	1
	Jurisdiction The authority exercised by a nation, a judicial body, or a legislative body over persons, places, and property. Jurisdiction may apply to the territory over which a nation has control, including the land area, the adjacent sea, and the airspace above. It may also refer to the authority of an international body to make decisions binding on national entities.	string	0	1
	TaxCertificateType The category of tax certificate for which an identifying number is issued.	string	0	1
	TaxCertificateNumber The identifying number for a tax certificate such as tax exemption, sales and use tax certificate or other such document.	string	0	1
parent(s)	PartnerInformation			

TaxLocation

The physical or deemed location at which tax is calculated based upon jurisdiction by a governmental or regulatory body.

note				
level	FieldTicketDetails FieldTicketSummary			
children	Name	Type	Use	Max
	LocationIdentifier	string	O	1
	A unique identifier for a physical location.			
	LocationName	string	O	1
	The name of the location being referenced.			
	LocationDescription	string	O	1
	Free-form textual description of the location.			
	AddressInformation		O	1
	A collection of elements defining the details of an address.			
parent(s)	Tax			

Telephone

A collection of elements detailing information about a telephone number.

note				
level	FieldTicketProperties FieldTicketDetails			
children	Name	Type	Use	Max
	PhoneNumber	string	M	1
	A numerical sequence to reach a telephone attached to a communication network.			
	PhoneNumberExtension	string	O	1
	An extension number that is needed to further identify the phone number.			
	TelecomCountryCode	string	O	1
	The dialing code from another country to access the telephone network in another country.			
	TelecomAreaCode	string	O	1
	The area code within a country or jurisdiction, if needed, to access local telephones within the country.			
parent(s)	ContactInformation			
attributes	Name	Type	Use	Fixed
	telephoneIndicator	string	O	
	A code to indicate the type of phone number being given.			
	Fax <input type="checkbox"/> Mobile			
Pager <input type="checkbox"/> Voice				
Other <input type="checkbox"/>				

TermsDiscountAmount

The total monetary amount of the payment terms discount.

note				
level	FieldTicketSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
children	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
parent(s)	FieldTicketSummary			

TimeWorked

The time period worked by a specific employee completing a service.

note				
level	FieldTicketDetails			
children	Name	Type	Use	Max
	Quantity A numeric count of measure.	decimal	M	1
children	UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.	string	M	1
parent(s)	PersonnelInformation			

TransportInformation

A collection of elements detailing how product is transported.

note	If TransportInformation is used, then at least one of TransportMethodCode, Routing, or ServiceLevelCode is required.
level	FieldTicketProperties FieldTicketDetails

children	Name	Type	Use	Max
	ShipmentMethodOfPayment A code indicating payment terms for transportation charges.	string	M	1
	Collect Collect-			
	FreightCreditedBackToCustomer			
	CustomerPickupBackhaul Pickup			
	PrepaidBySeller Prepaid-			
	ChargedToCustomer ServiceFreight-			
	NoCharge ThirdPartyPay			
	Other			
	RoutingSequenceCode A code indicating the relationship of a carrier to a specific shipment movement.	string	O	1
	OriginCarrier-AirMotorOcean			
	OriginDeliveryCarrier-AnyMode			
	Other			
	TransportMethodCode A code indicating the mode of transportation used to move product.	string	O	1
	Air AirExpress			
	Barge BestWay-			
	ShippersOption Boat			
	CustomerPickup ExpeditedTruck			
	Motor-CommonCarrier Ocean			
	ParcelPost Rail			
	SupplierTruck Truck			
	Vessel Other			
	PartnerInformation A collection of elements detailing partner information.		O	U
	Location A collection of elements giving details about a location.		O	U
	ShipmentTermsCode A code indicating the terms under which a product is shipped, such as Freight Prepaid, FOB or similar.	string	O	1
	Routing A free-form description of the shipping route to be provided for transportation of product.	string	O	1
	ServiceLevelCode A code indicating the level of service required.	string	O	1
	HazardousMaterials A collection of elements conveying hazardous goods information related to a product.		O	1
	CarrierEquipmentCode	string	O	1

	A code indicating the kind of equipment parent(s) the carrier. TransportName The identifier of specific vessel, truck, railcar, etc.	string	O	1
parent(s)	FieldTicketLineItem FieldTicketProperties FieldTicketSubLineItem			

UnitPrice

A collection of elements detailing how product is transported.

note				
level	FieldTicketDetails			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.	string	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
parent(s)	Pricing			

WellIdentifier

A unique identifier referencing a well, such as an UWI number.

note				
level	FieldTicketProperties FieldTicketDetails			
parent(s)	WellInformation			
attributes	Name	Type	Use	Fixed
	wellIdentifierIndicator A code to indicate the origin of the Well Identifier.	string	O	
	Number	CustomerNumber		
	UWINumber	Other		

WellInformation

A collection of elements detailing information about a well.

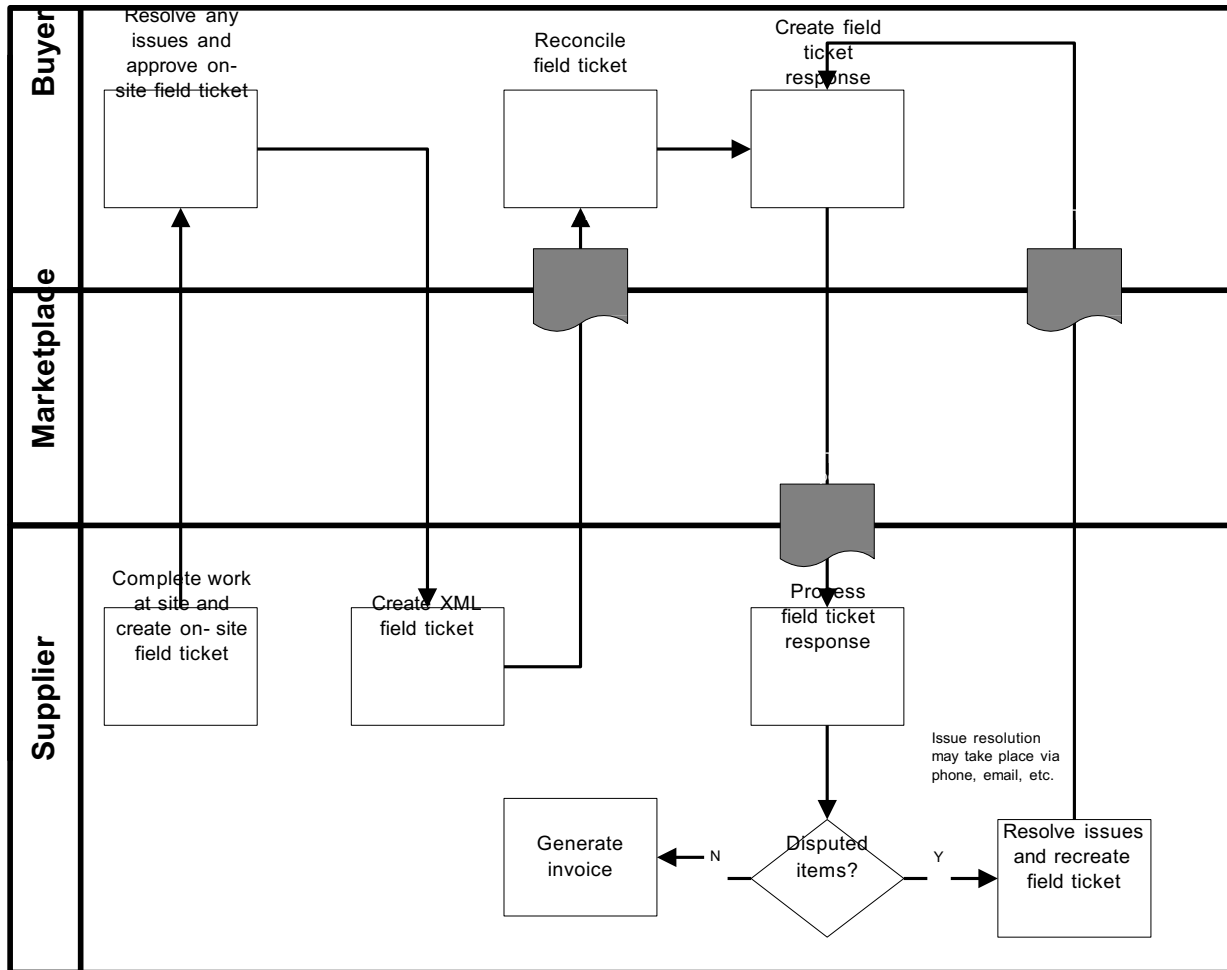
note	
level	FieldTicketProperties FieldTicketDetails

children	Name	Type	Use	Max
	<u>WellIdentifier</u> A unique identifier referencing a well, such as an UWI number.	string	M	U
	WellName The customer name of a well.	string	O	1
	WellType A code indicating the function of the well.	string	O	1
	Brine	DirectionalGas		
	DirectionalNonWell	DirectionalOil		
	DisposalWell	Environmental		
	Gas	HorizontalGas		
	HorizontalOil	IndustrialDisposal		
	IndustrialNonWell	Injection		
	NonWell	Oil		
	Relief	Storage		
	Sulfur	Thermal		
	Uranium	Water		
	Other			
	WellCategory A code indicating the category of a well.	string	O	1
	Abandoned	DevBelow3000		
	Development	ExistingWell		
	NonWell	ReacidizeWell		
	Recompletion	RefractedWell		
Wildcat	Workover			
Other				
parent(s)	<u>JobLocationInformation</u>			

13.0 Field Ticket Response

13.1 Business Process Diagram

Below is the Business Process Diagram for the Field Ticket Response transaction. This is not the only method in which the process can take place, however, it represents a primary process. Third parties, including a Marketplace, may be involved if necessary.



Process Model - A Seller completes work at a customer site. An on-site field ticket is generated and given to the Buyer for approval. The Buyer approves the field ticket, indicating any changes that might be necessary on the field ticket. The seller uses the on-site field

ticket information to create an XML field ticket and sends it to the Buyer. The Buyer processes the XML field ticket and sends a response accepting or disputing the field ticket information in whole or in part. Any disputes are handled by phone, email, etc. If necessary, once disputes are resolved, a corrected field ticket is generated and sent to the Buyer.

The Field Ticket Response document is used to accept or dispute the information provided by the XML Field Ticket, which is an electronic record of the work completed by the Seller at the Buyer's site.

13.2 Legend to Tables

The following tables detail the elements and attributes that make up the Field Ticket Response. The legend below provides guidance to understanding the element tables. The legend is an example only and is not part of the document standard data.

Telephone ¹ ²

A collection of elements detailing information about a telephone number.

³ note						
level	OrderCreateProperties OrderCreateDetails ⁴					
children	⁵ Name PhoneNumber ⁶ ⁷ string ⁸ M ⁹ 1 A numerical sequence to reach a telephone attached to a communication network. PhoneNumberExtension string O 1 An extension number that is needed to further identify the phone number. TelecomCountryCode string O 1 The dialing code from another country to access the telephone network in another country. TelecomAreaCode string O 1 The area code within a country or jurisdiction, if needed, to access local telephones within the country.	Type	Use	Max		
parent(s)	ContactInformation ⁹					
attributes	¹⁰ Name ¹¹ ¹⁴ ¹² telephoneIndicator ¹³ string O A code to indicate the type of phone number being given. Fax <input type="checkbox"/> Mobile Pager <input type="checkbox"/> Voice Other <input type="checkbox"/>	Type	Use	Fixed		

Legend	
1	The name of the element.
2	The definition of the element.
3	Contains any business rules or comments about the element
4	Identifies whether or not the element is under the Property, Detail, or Summary level of the document
5	Contains the name of the child elements and their definitions. Those elements in blue are links to the element specification. Only those elements that contain children or attributes are hyperlinked.
6	Indicates the data type of the element.
7	Indicates whether the element is mandatory (M) or optional (O).
8	Indicates whether the element can have a maximum of one occurrence (1) or unbounded multiple occurrences (U)
9	Indicates the parent element of the element.

10	Contains the name of any attributes and their definitions.
11	Indicates the data type of the attribute. If the type is blank, then the element contains children rather than data.
12	Indicates whether the attribute is mandatory (M) or optional (O).
13	Provides a fixed value for the attribute.
14	The shaded areas provide either code list values, rules, or notes about the child element or attribute.

The document, its properties, details, line item, sub-line item, and summary elements are presented first. They are followed by an alphabetical listing of those elements used in the document and have children or attributes.

13.3 Document Detail

FieldTicketResponse

The root element of the Field Ticket Response message. It is used to acknowledge a previously sent Field Ticket.

note				
children	Name	Type	Use	Max
	FieldTicketResponseProperties		M	1
	A collection of elements defining the acknowledgement "meta-data" or "common data".			
	FieldTicketResponseDetails		M	1
	A collection of elements defining the details of the Field Ticket Response message.			
	FieldTicketResponseSummary		M	1
	A collection of elements detailing the totals of the acknowledgement.			
attributes	Name	Type	Use	Fixed
	transactionPurposeIndicator	string	M	
	A code indicating the purpose of the transaction.			
	Add			
	Cancellation	Change		
	Confirmation	Delete		
	Duplicate	Original		
	Replace	Request		
	Other			
	version	decimal	M	1.0
	A fixed number indicating the version of the PIDX XML Standard on which the transaction is based.			

FieldTicketResponseProperties

A collection of elements defining the response "meta-data" or "common data".

note	
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children	Name	Type	Use	Max
	FieldTicketResponseNumber A unique identifier for a Field Ticket Response message.	string	M	1
	FieldTicketResponseDate The date upon which an acknowledgement was created or deemed to have been issued. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	M	1
	PartnerInformation A collection of elements detailing partner information.		M	U
	FieldTicketInformation A collection of elements containing relevant field ticket information which needs to be referenced within other documentation and/or messages.		M	1
	ApproverName The name of the person who approved the document.	string	O	1
	ApprovalDate The date upon which the document was approved. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	O	1
	CountryOfFinalDestination The country where product is ultimately delivered or is deemed to have been delivered.		O	1
	RevisionNumber A number indicating the version of the document. It is used if a message is resent in its entirety to replace an earlier version.	string	O	1
	PurchaseOrderInformation A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.		O	1
	PurchaseOrderLineItemNumber A sequential individual line identifier within a purchase order document containing product or item information.	string	O	1
	PrimaryCurrency The currency code indicating the currency to be used for the transaction.		O	1
	SecondCurrency The currency code indicating a second currency, such as for European countries using the Euro and a local currency.		O	1
	ServiceDateTime The actual and/or schedule dates for a service.	datetime	O	U
	LanguageCode A code indicating the language used for the transaction. Use the codelist from ISO 639-2:1998 Codes for the representation of names of languages – Part 2: Alpha-3 Code.	string	O	1
	JobLocationInformation A collection of elements giving details of a job location.		O	1
	JobSummary A free-form textual summary of the job.	string	O	1
	CountryOfOrigin The country where product originates or is deemed to have originated.		O	1

	TransportInformation		O	1
	A collection of elements detailing how product is transported.			
	PaymentTerms		O	1
	A collection of elements detailing payment terms information.			
	SpecialInstructions	string	O	U
	A free-form textual description of special requirements.			
	ReferenceInformation		O	U
	A collection of elements detailing references to information that reside outside of the current transaction message.			
	Attachment		O	U
	A collection of elements defining the details of an attachment to the document.			
	Comment	string	O	1
	A free-form textual structure for general information or comments.			
parent(s)	FieldTicketResponse			

FieldTicketResponseDetails

A collection of elements defining the details of the Field Ticket Response message.

note				
children	Name	Type	Use	Max
	FieldTicketResponseLineItem		M	U
	A collection of elements defining the details of the line items making up the acknowledgement.			
parent(s)	FieldTicketResponse			

FieldTicketResponseLineItem

A collection of elements defining the details of the line items making up the acknowledgement.

note	
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children	Name	Type	Use	Max
	LineItemNumber A sequential individual line identifier within a document containing service or item information.	string	M	1
	LineStatusCode A code which indicates the whether a line item has been approved, rejected, or is pending. Accept Pending Reject Other	string	M	1
	LineResponseReasonCode A code indicating the response to the line item, such as accepted, rejected, etc.	string	M	1
	ChangeDescription A free-form textual description of changes made.	string	O	1
	LineItemInformation A collection of elements detailing identifying information about a line item.		M	1
	FieldTicketQuantity The number of units of an item or service consumed.		M	1
	CommodityCode A code indicating the categorization of a product or service in accordance with a particular standard.	string	O	U
	PurchaseOrderLineItemNumber A sequential individual line identifier within a purchase order document containing product or item information.	string	O	1
	PurchaseOrderInformation A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.		O	1
	PersonnelInformation A collection of elements detailing relevant personnel information.		O	U
	PartnerInformation A collection of elements detailing partner information.		O	U
	JobLocationInformation A collection of elements giving details of a job location.		O	1
	Pricing A collection of elements detailing price information.		O	1
	AllowanceOrCharge A collection of elements defining the details of an allowance or charge to the customer.		O	U
	Tax A collection of elements detailing information about tax applied to a transaction.		O	U
	ShippingAmount The monetary amount of shipping or freight charges.		O	1
	LineItemTotal The net total monetary amount for the line item.		O	1
	ServiceDateTime The actual and/or schedule dates for a service.	datetime	O	U

	<p>EquipmentIdentifier string O U A unique identifier for a piece of equipment such as used for transportation of product.</p> <p>EquipmentDescription string O U A free-form textual description of carrier equipment.</p> <p>CountryOfOrigin O 1 The country where product originates or is deemed to have originated.</p> <p>CountryOfFinalDestination O 1 The country where product is ultimately delivered or is deemed to have been delivered.</p> <p>TransportInformation O 1 A code indicating the mode of transportation used to move product.</p> <p>PaymentTerms O 1 A collection of elements detailing payment terms information.</p> <p>SpecialInstructions string O U A free-form textual description of special requirements.</p> <p>PackagingCharacteristicCode string O U A code indicating the marking, packaging, loading and related characteristics being described.</p> <p>PackageSpecifications ProductMarking SkidPalletType TypeOfPackage Other</p> <p>PackagingCharacteristicDescription string O U Free-form text providing any additional information associated with the Packaging Characteristic Code.</p> <p>ReferenceInformation O U A collection of elements detailing references to information that reside outside of the current transaction message.</p> <p>Attachment O U A collection of elements defining the details of an attachment to the document.</p> <p>Comment string O 1 A free-form textual structure for general information or comments.</p> <p>FieldTicketResponseSubLineItem O U A collection of elements defining the details of the sub line items of an acknowledgement. It is used if a line item needs to be broken down into further detail.</p>
parent(s)	FieldTicketResponseDetails

FieldTicketResponseSubLineItem

A collection of elements defining the details of the sub line items of an acknowledgement. It is used if a line item needs to be broken down into further detail.

note	
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children	Name	Type	Use	Max
	SubLineItemNumber The sub-line item number relating to the primary line item referenced in the message.	string	M	1
	LineStatusCode A code which indicates the whether a line item has been approved, rejected, or is pending. Accept Pending Reject Other	string	M	1
	LineResponseReasonCode A code indicating the response to the line item, such as accepted, rejected, etc.	string	M	1
	ChangeDescription A free-form textual description of changes made.	string	O	1
	LineItemInformation A collection of elements detailing identifying information about a line item.		M	1
	FieldTicketQuantity The number of units of an item or service consumed.		M	1
	CommodityCode A code indicating the categorization of a product or service in accordance with a particular standard.	string	O	U
	PurchaseOrderSubLineItemNumber A sequential individual sub-line identifier within an Order Create document containing product or item information that relates back to a parent line item.	string	O	1
	PurchaseOrderInformation A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.		O	1
	PersonnelInformation A collection of elements detailing relevant personnel information.		O	U
	PartnerInformation A collection of elements detailing partner information.		O	U
	JobLocationInformation A collection of elements giving details of a job location.		O	1
	Pricing A collection of elements detailing price information.		O	1
	AllowanceOrCharge A collection of elements defining the details of an allowance or charge to the customer.		O	U
	Tax A collection of elements detailing information about tax applied to a transaction.		O	U
	ShippingAmount The monetary amount of shipping or freight charges.		O	1
	LineItemTotal The net total monetary amount for the line item.		O	1
	ServiceDateTime	datetime	O	U

	The actual and/or schedule dates for a service.			
	EquipmentIdentifier	string	O	U
	A unique identifier for a piece of equipment such as used for transportation of product.			
	EquipmentDescription	string	O	U
	A free-form textual description of carrier equipment.			
	<u>CountryOfOrigin</u>		O	1
	The country where product originates or is deemed to have originated.			
	<u>CountryOfFinalDestination</u>		O	1
	The country where product is ultimately delivered or is deemed to have been delivered.			
	<u>TransportInformation</u>		O	1
	A code indicating the mode of transportation used to move product.			
	<u>PaymentTerms</u>		O	1
	A collection of elements detailing payment terms information.			
	<u>SpecialInstructions</u>	string	O	U
	A free-form textual description of special requirements.			
	PackagingCharacteristicCode	string	O	U
	A code indicating the marking, packaging, loading and related characteristics being described.			
	PackageSpecifications			
	ProductMarking	SkidPalletType		
	TypeOfPackage	Other		
	PackagingCharacteristicDescription	string	O	U
	Free-form text providing any additional information associated with the Packaging Characteristic Code.			
	<u>ReferenceInformation</u>		O	U
	A collection of elements detailing references to information that reside outside of the current transaction message.			
	<u>Attachment</u>		O	U
	A collection of elements defining the details of an attachment to the document.			
	Comment	string	O	1
	A free-form textual structure for general information or comments.			
parent(s)	<u>FieldTicketResponseLineItem</u>			

FieldTicketResponseSummary

A collection of elements detailing the totals of the acknowledgement.

note	
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children	Name	Type	Use	Max
	TotalLineItems The total number of line items contained in a message.	integer	M	1
	<u>AllowanceOrCharge</u> A collection of elements defining the details of an allowance or charge to the customer.		O	U
	<u>ShippingAmount</u> The monetary amount of shipping or freight charges.		O	U
	<u>Tax</u> A collection of elements detailing information about tax applied to a transaction.		O	U
	<u>SubTotalAmount</u>		O	U

	The monetary amount of the subtotal. It is qualified by the subTotalIndicator attribute which identifies what the subtotal is referencing.		
	FieldTicketTotal	O	1
	The total monetary amount of the field ticket.		
	TermsDiscountAmount	O	1
	The total monetary amount of the payment terms discount.		
	DiscountedAmountDue	O	1
	The monetary amount due if paid by terms discount due date (total invoice or installment amount less cash discount.)		
parent(s)	FieldTicketResponse		

AddressInformation

A collection of elements defining the details of an address.

note				
level	FieldTicketResponseProperties FieldTicketResponseDetails			
children	<p>Name</p> <p>POBoxNumber The identity of a physical box within a postal facility to accept and receive mail.</p> <p>BuildingHouseNumber The alphanumeric identifier of a building as a part of an address.</p> <p>StreetName The name of a street as part of an address.</p> <p>AddressLine An occurrence of a generally accepted formatted line of data such that when combined with the entire address structure there is sufficient information for delivery or location purposes.</p> <p>CityName The name of the city or municipality.</p> <p>StateProvince The name of the municipality or town as a location for mailing, siting and other geographic functions.</p> <p>PostalCode The code assigned by local postal authorities to delivery addresses.</p> <p>PostalCountry The country code indicating the country to which mail should be delivered.</p> <p>CountyName The name of the county.</p> <p>LocationIdentifier A unique identifier for a physical location.</p>	Type	Use	Max
		string	O	1
		string	O	1
		string	O	1
		string	O	U
		string	O	1
		string	O	1
		string	O	1
		string	O	1
parent(s)	JobLocationInformation Location PartnerInformation TaxLocation			

AllowanceOrCharge

A collection of elements defining the details of an allowance or charge to the customer.

note	If AllowanceOrCharge is used, then at least one of AllowanceOrChargeRate, AllowanceOrChargeTotalAmount, or AllowanceOrChargePercent is required.
level	FieldTicketResponseDetails FieldTicketResponseSummary

children	Name	Type	Use	Max
	AllowanceOrChargeTotalAmount The total monetary amount for the allowance or charge.		0	1
	AllowanceOrChargeRate The rate per unit of the allowance or charge.		0	1
	AllowanceOrChargePercent The allowance or charge expressed as a percentage.	decimal	0	1
	AllowanceOrChargeNumber The identifier assigned by a vendor referencing an allowance, promotion, deal or charge.	string	0	1
	AllowanceOrChargeTypeCode A code identifying the kind of allowance or charge being described.	string	0	1
	Freight FuelSurcharge			
	SpecialHandlingService Discount			
	FlatRate			
	EngineeringCharge			
	InvoiceAdjustment			
	InsuranceSurcharge			
	OneTimeLicenseFee Royalties			
	MiscellaneousCharge PostageCharge			
	TrailerRentalCharge			
	TransportationDirectBilling			
	TransportationVendorProvided Other			
	MethodOfHandlingCode A code which describes how a particular allowance or charge should be handled.	string	0	1
	OffInvoice			
	ChargeToBePaidByCustomer			
	Other			
	AllowanceOrChargeDescription A free form description used to clarify the related allowance and charge data elements and their content.	string	0	1
	AllowanceOrChargeQuantity The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.		0	1
parent(s)	FieldTicketResponseLinItem FieldTicketResponseSubLinItem FieldTicketResponseSummary			

attributes	Name	Type	Use	Fixed
	allowanceOrChargeIndicator	string	M	
	A code to indicate whether the information relates to an allowance or charge.			
	Allowance			
	Charge			
	Other			

AllowanceOrChargePercent

The allowance or charge expressed as a percentage.

note				
level	FieldTicketResponseDetails FieldTicketResponseSummary			
parent(s)	AllowanceOrCharge			
attributes	Name	Type	Use	Fixed
	percentIndicator A code indicating on what basis the allowance or charge percent is calculated.	string	O	

AllowanceOrChargeQuantity

The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.

note				
level	FieldTicketResponseDetails FieldTicketResponseSummary			
children	Name	Type	Use	Max
	Quantity A numeric count of measure.	decimal	M	1
	UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.	string	M	1
parent(s)	AllowanceOrCharge			

AllowanceOrChargeRate

The rate per unit of the allowance or charge.

note				
level	FieldTicketResponseDetails FieldTicketResponseSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.	string	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
parent(s)	AllowanceOrCharge			

AllowanceOrChargeTotalAmount

The total monetary amount for the allowance or charge.

note				
level	FieldTicketResponseDetails FieldTicketResponseSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	CurrencyCode	string	O	1

	A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.
parent(s)	AllowanceOrCharge

AlternativeCommunicationMethod

Additional methods of communication, such as an IP Address or Printer ID, in addition to those specifically listed elsewhere in contact or address information.

note																																									
level	FieldTicketResponseProperties FieldTicketResponseDetails																																								
parent(s)	ContactInformation																																								
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Fixed</th> </tr> </thead> <tbody> <tr> <td>alternativeCommunicationMethodIndicator</td> <td>string</td> <td>M</td> <td></td> </tr> <tr> <td colspan="4">A code to indicate the type of alternative communication method.</td> </tr> <tr> <td>AUTOVON</td> <td></td> <td></td> <td></td> </tr> <tr> <td>EDIAccessNumber</td> <td></td> <td></td> <td></td> </tr> <tr> <td>FederalTelecommunicationsSystem</td> <td>IPAddress</td> <td></td> <td></td> </tr> <tr> <td>PacketSwitching</td> <td>PrinterID</td> <td></td> <td></td> </tr> <tr> <td>StationCode</td> <td>Telemail</td> <td></td> <td></td> </tr> <tr> <td>Telex</td> <td>TWX</td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Fixed	alternativeCommunicationMethodIndicator	string	M		A code to indicate the type of alternative communication method.				AUTOVON				EDIAccessNumber				FederalTelecommunicationsSystem	IPAddress			PacketSwitching	PrinterID			StationCode	Telemail			Telex	TWX			Other			
Name	Type	Use	Fixed																																						
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PacketSwitching	PrinterID																																								
StationCode	Telemail																																								
Telex	TWX																																								
Other																																									

Attachment

A collection of elements defining the details of an attachment to the document.

note	
level	FieldTicketResponseProperties FieldTicketResponseDetails

	Name	Type	Use	Max
children	AttachmentPurposeCode	string	0	1
	A code to indicate the purpose of the attachment.			
	Template			
	Other			
	FileName	string	0	1
	The name of the file in an attachment.			
	AttachmentTitle	string	0	1
	The title of the attachment.			
	AttachmentDescription	string	0	1
A free-form textual description of the attachment.				
	FileType	string	0	1
The type of the file in an attachment.				
	AttachmentLocation	string	0	1
The location of the attachment, such as a URL.				
parent(s)	FieldTicketResponseLineItem FieldTicketResponseProperties			

[FieldTicketResponseSublineItem](#)

Block

A collection of elements defining the details of a block, which identifies a location.

note					
level	FieldTicketResponseProperties FieldTicketResponseDetails				
children	Name	Type	Use	Max	
	BlockName	string	0	1	
	The name of the block, which identifies a location.				
	OCSGNumber	string	0	1	
	The Outer Continental Shelf Gulf number.				
	StateLease	string	0	1	
	Lease on state land.				
parent(s)	GeographicalInformation				

CommodityCode

A code indicating the categorization of a product or service in accordance with a particular standard.

note					
level	FieldTicketResponseDetails				
parent(s)	FieldTicketResponseLineItem FieldTicketResponseSubLineItem				
attributes	Name	Type	Use	Fixed	
	agencyIndicator	string	0		
	A code indicating what agency or organization is responsible for defining the commodity code list.				

ContactIdentifier

The identifier of the contact person or department.

note					
level	FieldTicketResponseProperties FieldTicketResponseDetails				
parent(s)	ContactInformation				
attributes	Name	Type	Use	Fixed	
	contactIdentifierIndicator	string	0		
	A code to identify the origin of the contact identifier.				
	AssignedByBuyer				
	AssignedBySeller	EmployeeID			
Other					

ContactInformation

A collection of elements defining details of communication for a contact person.

note	It is recommended that ContactInformation be used at either the Property or Detail level, but not both.				
level	FieldTicketResponseProperties FieldTicketResponseDetails				
children	Name	Type	Use	Max	
	ContactIdentifier	string	O	1	
	The identifier of the contact person or department.				
	ContactName	string	O	1	
	The name of the contact person within the organization.				
	ContactDescription	string	O	1	
	A free-form textual description of the contact.				
	Telephone			O	U
	A collection of elements detailing information about a telephone number.				
	EmailAddress	string	O	1	
The address assigned to a person or organization to receive electronic messages.					
AlternativeCommunicationMethod	string		O	U	
Additional methods of communication, such as an IP Address or Printer ID, in addition to those specifically listed elsewhere in contact or address information.					
parent(s)	PartnerInformation				
attributes	Name	Type	Use	Fixed	
	contactInformationIndicator	string	M		
	A code indicating the function of the contact.				
	BuyerDepartment	DeliveryContact			
	DesignEngineer	Engineer			
	EnteredBy				
	FieldRepresentative				
	OfficeRepresentative				
	OrderContact	PurchasingAgent			
	QuotePreparer	QuoteRequestor			
	RFQContact				
	SalesRepresentative				
	ServiceCoordinator				
	TechnicalMarketingRepresentative				
	Other				

CountryOfFinalDestination

The country where product is ultimately delivered or is deemed to have been delivered.

note				
level	FieldTicketResponseProperties FieldTicketResponseDetails			
children	Name CountryCode A code indicating a country.	Type string	Use M	Max 1

	<p>Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions - Part 1: Country Codes.</p>
parent(s)	<p> FieldObject.ResponseProperties FieldObject.ResponseSubItem </p>

CountryOfOrigin

The country where product originates or is deemed to have originated.

note				
level	FieldTicketResponseProperties FieldTicketResponseDetails			
children	Name CountryCode A code indicating a country. Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.	Type string	Use M	Max 1
parent(s)	FieldTicketResponseLineItem FieldTicketResponseProperties FieldTicketResponseSubLineItem			

Deferred

The terms for a deferred payment in relation to a transaction.

note				
level	FieldTicketResponseProperties FieldTicketResponseDetails			
children	Name DeferredAmount The monetary amount that is deferred for payment based upon terms in an invoice, contract or agreement. DeferredDueDate The date upon which a deferred payment is due. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day. PercentDeferredPayable The amount due that is deferred for payment expressed as a percentage. Description A free-form textual explanation or clarification.	Type date decimal string	Use O O O	Max 1 1 1
parent(s)	PaymentTerms			

DeferredAmount

The monetary amount that is deferred for payment based upon terms in an invoice, contract or agreement.

note	
level	FieldTicketResponseProperties FieldTicketResponseDetails

	Name	Type	Use	Max
children	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
parent(s)	Deferred			

DiscountAmount

The monetary amount of a discount based upon payment terms.

note				
level	FieldTicketResponseProperties FieldTicketResponseDetails			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal string	M O	1 1
parent(s)	Discounts			

DiscountedAmountDue

The monetary amount due if paid by terms discount due date (total invoice or installment amount less cash discount.)

note				
level	FieldTicketResponseSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal string	M O	1 1
parent(s)	FieldTicketResponseSummary			

Discounts

The monetary amount allowed or applied as a credit against a transaction or balance.

note				
level	FieldTicketResponseProperties FieldTicketResponseDetails			



children	Name	Type	Use	Max
	DaysDue The number of days from the payment terms basis date before a discount expires.	integer	0	1
	DiscountsDueDate The date upon which a discount expires. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	0	1
	PercentDiscount A discount to be applied to the transaction expressed as a percentage.	decimal	0	1
	<u>DiscountAmount</u> The monetary amount of a discount based upon payment terms.		0	1
	Description A free-form textual explanation or clarification.	string	0	1
parent(s)	<u>PaymentTerms</u>			

EffectiveDates

The period of time (or range) where the information is valid or guaranteed.

note					
level	FieldTicketResponseProperties FieldTicketResponseDetails				
children	Name	Type	Use	Max	
	FromDate The date upon which a time period begins. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	M	1	
	ToDate The date upon which a time period ends. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	M	1	
	parent(s)	TaxInformation			

FieldTicketInformation

A collection of elements containing relevant field ticket information which needs to be referenced within other documentation and/or messages.

note					
level	FieldTicketResponseProperties				
children	Name	Type	Use	Max	
	FieldTicketNumber A unique identifier for a Field Ticket.	string	M	1	
	FieldTicketDate The date upon which a field ticket was created or deemed to have been issued. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	O	1	
	RevisionNumber A number indicating the version of the document. It is used if a message is resent in its entirety to replace an earlier version.	string	O	1	
parent(s)	FieldTicketResponseProperties				

FieldTicketQuantity

The number of units of an item or service consumed.

note					
level	FieldTicketResponseDetails				

	Name	Type	Use	Max
children	Quantity A numeric count of measure.	decimal	M	1
	UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.	string	M	1
parent(s)	FieldTicketResponseLineItem FieldTicketResponseSubLineItem			

FieldTicketTotal

The total monetary amount of the field ticket.

note				
level	FieldTicketResponseSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
children	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
parent(s)	FieldTicketResponseSummary			

GeographicalInformation

A collection of elements defining a geographical location.

note	If any one of Section, Township, or Range is given then the other two are required.			
level	FieldTicketResponseProperties FieldTicketResponseDetails			
children	Name	Type	Use	Max
	FieldName The name of the oil field.	string	O	1
	Section A part of Section/Township/Range location identifier scheme.	string	O	1
	Township A part of Section/Township/Range location identifier scheme.	string	O	1
	Range A part of Section/Township/Range location identifier scheme.	string	O	1
	Region The name of a geographic region.	string	O	1
	Block A collection of elements defining the details of a block, which identifies a location.		O	1
children	GPSCoordinates A collection of elements containing latitude and longitude data for a specific location.		O	1
parent(s)	JobLocationInformation Location			

GPSCoordinates

A collection of elements containing latitude and longitude data for a specific location.

note	
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level	FieldTicketResponseProperties FieldTicketResponseDetails			
children	Name	Type	Use	Max
	Latitude The specified latitude of a location.	string	M	1
	Longitude The specified longitude of a location.	string	M	1
	parent(s)	GeographicalInformation		

HazardousMaterialClassCode

A code indicating the kind of hazard for a material.

note				
level	FieldTicketResponseProperties FieldTicketResponseDetails			
parent(s)	HazardousMaterials			
attributes	Name	Type	Use	Fixed
	hazardousMaterialIndicator	string	M	
	A code which qualifies the Hazardous Material Class Code.			

HazardousMaterials

A collection of elements conveying hazardous goods information related to a product.

note	If HazardousMaterials is used, then at least one of SpecialHandlingCode or HazardousMaterialDescription is required.			
level	FieldTicketResponseProperties FieldTicketResponseDetails			
children	Name	Type	Use	Max
	SpecialHandlingCode	string	0	1
	A code identifying any special transportation handling instructions			
	HazardousMaterialDescription	string	0	1
	A free-form textual explanation of information related to a hazardous shipment.			
	HazardousMaterialClassCode	string	0	U
	A code indicating the kind of hazard for a material.			
parent(s)	TransportInformation			

JobLocationIdentifier

A unique identifier referencing the job location.

note				
level	FieldTicketResponseProperties FieldTicketResponseDetails			
parent(s)	JobLocationInformation			

attributes	Name	Type	Use	Fixed
	jobLocationIdentifierIndicator	string	0	
	A code to define what type of location the identifier is referencing.			
	ChemicalPlant	Coal-		
	Degas	CogenerationPlant		
	Construction	Dock		
	GasPlant			
	IndustrialServiceMiscellaneous			
	MilitaryGovernment	PaperMill		
	PetroleumPlant	Pipeline		
	Refinery			
	Rig			

Unlabeled

Other

JobLocationInformation

A collection of elements giving details of a job location.

note	
level	FieldTicketResponseProperties FieldTicketResponseDetails

children	Name	Type	Use	Max
	JobLocationIdentifier A unique identifier referencing the job location.	string	O	U
	JobLocationClassCode A code indicating the class of the job location.	string	O	1
	FederalWaters Land InlandWaters StateWaters Other			
	JobLocationDescription A free-form textual description of the job location.	string	O	1
	JobLocationStatus A code indicating whether a location is active or inactive.	string	O	1
	Inactive Active Other			
	WellInformation A collection of elements detailing information about a well.		O	1
	JobSiteCategory A code indicating the kind of site on which the job is located.	string	O	1
	Boiler CivilHighways Compression Condenser ConstructPiles Dams HeatExchanger IndustrialServiceMiscellaneous Piping Production TowerVessel Turbine UndergroundStr Other			
	AddressInformation A collection of elements defining the details of an address.		O	1
	GeographicalInformation A collection of elements defining a geographical location.		O	1
parent(s)	FieldTicketResponseLineItem FieldTicketResponseProperties FieldTicketResponseSubLineItem			

LinItemIdentifier

The unique identifier for a product or service making up the line item.

note				
level	FieldTicketResponseDetails			
parent(s)	LinItemInformation			
attributes	Name	Type	Use	Fixed
	identifierIndicator	string	M	
	A code to indicate the origin of the identifier.			
	AssignedByBuyer			
	AssignedByManufacturer			
	AssignedBySeller			
	CatalogueNumber	UPCNumber		
	Other			

LinItemInformation

A collection of elements detailing identifying information about a line item.

note				
level	FieldTicketResponseDetails			
children	Name	Type	Use	Max
	LinItemIdentifier	string	O	U
	The unique identifier for a product or service making up the line item.			
	LinItemName	string	O	1
	The name of the product or service in the line item.			
children	LinItemDescription	string	O	1
	A free-form textual description of the line item.			
	ManufacturerIdentifier	string	O	1
A unique identifier for a manufacturer.				
parent(s)	FieldTicketResponseLinItem FieldTicketResponseSubLinItem			

LinItemTotal

The net total monetary amount for the line item.

note				
level	FieldTicketResponseDetails			
children	Name	Type	Use	Max
	MonetaryAmount	decimal	M	1
	The currency value of a transaction or item.			
children	CurrencyCode	string	O	1
	A code indicating the currency in which the monetary amount is specified.			

	Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.
parent(s)	FieldTicketResponseLineItem FieldTicketResponseSubLineItem

Location

A collection of elements giving details about a location.

note					
level	FieldTicketResponseProperties FieldTicketResponseDetails				
children	Name	Type	Use	Max	
	LocationIdentifier	string	O	1	
	A unique identifier for a physical location.				
	LocationName	string	O	1	
	The name of the location being referenced.				
	AddressInformation		O	1	
children	A collection of elements defining the details of an address.				
	GeographicalInformation		O	1	
	A collection of elements defining a geographical location.				
	LocationDescription	string	O	1	
Free-form textual description of the location.					
parent(s)	TransportInformation				
attributes	Name	Type	Use	Fixed	
	locationIndicator	string	O		
	A code to identify what kind of location is being referenced. FreightEqualizationPoint				
	OnVessel-FOBPoint				
	AssignedBySeller				
	Origin-AfterLoadingOnEquipment				
	Origin-ShippingPoint				
	Plant				
	ShippingDestination				
	Warehouse				
	Other				

MeasurementRange

A collection of elements providing a minimum and maximum measurement to create a range.

note					
level	FieldTicketResponseProperties FieldTicketResponseDetails				
children	Name	Type	Use	Max	
	MinimumMeasurement	decimal	M	1	
	The smallest measurement in a given range.				
children	MaximumMeasurement	decimal	M	1	
	The largest measurement in a given range.				

parent(s)	PriceBasis
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PartnerIdentifier

A unique identifier indicating a particular partner or organization.

note				
level	FieldTicketResponseProperties FieldTicketResponseDetails			
parent(s)	PartnerInformation			
attributes	Name	Type	Use	Fixed
	partnerIdentifierIndicator	string	M	
	A code to identify the origin of the Partner Identifier.			
	AssignedByBuyer			
	AssignedBySeller	DUNSNumber		
	DUNS+4Number			
	Other			

PartnerInformation

A collection of elements detailing partner information.

note				
level	FieldTicketResponseProperties FieldTicketResponseDetails			
children	<p>Name</p> <p>PartnerIdentifier</p> <p>A unique identifier indicating a particular partner or organization.</p> <p>PartnerName</p> <p>The name of the organization being referenced in Partner Information.</p> <p>AddressInformation</p> <p>A collection of elements defining the details of an address.</p> <p>ContactInformation</p> <p>A collection of elements defining details of communication for a contact person.</p> <p>TaxInformation</p> <p>A collection of elements detailing tax information about a partner.</p> <p>URL</p> <p>A Uniform Resource Locator indicating an internet address.</p>	<p>Type</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p>	<p>Use</p> <p>M</p> <p>O</p> <p>O</p> <p>O</p> <p>O</p> <p>O</p>	<p>Max</p> <p>U</p> <p>1</p> <p>1</p> <p>U</p> <p>1</p> <p>1</p>
parent(s)	FieldTicketResponseLineItem FieldTicketResponseProperties FieldTicketResponseSubLineItem TransportInformation			

attributes	Name	Type	Use	Fixed
	partnerRoleIndicator	string	M	
	A code to indicate the role in this transaction of the partner being referenced.			
	BillAndShipTo			
	BillTo			
	Carrier			
	CommissionPayee			
	FinalRecipient			
	Manufacturer			
	Marketplace			
	MaterialIssuer			
	OnsiteContractingCompany			
	OperatingCompany			
	Payer			
	PrimaryContractor			
	RemitTo			
	Seller			
	ShipFromParty			
	ShipToParty			
	SoldTo			
	ThirdParty			
	Vendor			
	Warehouse			
	Other			

PaymentTerms

A collection of elements detailing payment terms information.

note	<p>If either one of PercentDiscount or DiscountAmount is used, then at least one of DiscountsDueDate or DaysDue is required.</p> <p>If DeferredDueDate is used, then at least one of DeferredAmountDue or PercentOfInvoicePayable is required.</p>			
level	<p>FieldTicketResponseProperties</p> <p>FieldTicketResponseDetails</p>			
children	Name	Type	Use	Max
	PaymentTermsOfSale	string	0	1
	The terms on which payment is calculated for the transaction.			
	Description	string	0	1
	A free-form textual explanation or clarification.			
	PaymentTermsBasisDateCode	string	0	1
	A code identifying the beginning of the terms period.			
	DeliveryDate InvoiceDate			
	InvoiceReceiptDate Other			
	PaymentTermsBasisDate	date	0	1
	The date from which payment terms or discounts are calculated or based.			
	Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.			
	TermsNetDays	integer	0	1
	The number of days until the total invoice amount is due (discount not applicable).			
	PercentOfInvoicePayable	decimal	0	1
	The amount of an invoice payable expressed as a percentage.			
	Discounts		0	1
	The monetary amount allowed or applied as a credit against a transaction or balance.			
	Deferred		0	1
	The terms for a deferred payment in relation to a transaction.			
	Penalty	string	0	1
	A percentage used to calculate the penalty on any balance unpaid by the due date.			
parent(s)	<p>FieldTicketResponseLinItem</p> <p>FieldTicketResponseProperties</p> <p>FieldTicketResponseSubLinItem</p>			

PersonnelInformation

A collection of elements detailing relevant personnel information.

note	
level	FieldTicketResponseDetails

children	Name	Type	Use	Max
	PersonnelName The name of the person being referenced.	string	0	1
	CompanyName The name of the company.	string	0	1
	PersonnelIdentifier A unique identifier for an employee of an organization.	string	0	1
	<u>TimeWorked</u> The time period worked by a specific employee completing a service.		0	1

	JobDescription A free-form textual description of the job.	string	O	1
	Comment A free-form textual structure for general information or comments.	string	O	1
parent(s)	FieldTicketResponseLineItem FieldTicketResponseSubLineItem			

PostalCountry

The country code indicating the country to which mail should be delivered.

note				
level	FieldTicketResponseProperties FieldTicketResponseDetails			
children	Name CountryCode A code indicating a country. Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.	Type	Use	Max
		string	M	1
parent(s)	AddressInformation			

PriceBasis

A structure allowing for a price to be based on more than just a single unit of measure.

note				
level	FieldTicketResponseDetails			
children	Name Measurement A numeric value for technical or attribute data. MeasurementRange A collection of elements providing a minimum and maximum measurement to create a range. UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030. BasisDescription Free-form textual description of the basis.	Type	Use	Max
		decimal	O	1
			O	1
		string	M	1
		string	O	1
parent(s)	Pricing			

Pricing

A collection of elements detailing price information.

note				
level	FieldTicketResponseDetails			

children	<p>Name</p> <p>UnitPrice</p> <p>The unit price of the product or service being sold.</p> <p>PriceBasis</p> <p>A structure allowing for a price to be based on more than just a single unit of measure.</p>	Type	Use	Max
parent(s)	<p>FieldTicketResponseLineItem</p> <p>FieldTicketResponseSubLineItem</p>		M	1
			O	U

PrimaryCurrency

The currency code indicating the currency to be used for the transaction.

note					
level	FieldTicketResponseProperties				
children	Name	Type	Use	Max	
	CurrencyCode	string	M	1	
	A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.				
parent(s)	FieldTicketResponseProperties				

PurchaseOrderInformation

A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.

note					
level	FieldTicketResponseProperties FieldTicketResponseDetails				
children	Name	Type	Use	Max	
	PurchaseOrderNumber	string	M	1	
	A unique identifier for an Order Create message.				
	PurchaseOrderIssuedDate	date	O	1	
	The date upon which an order was created or deemed to have been issued. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.				
	PurchaseOrderTypeCode	string	O	1	
	A code indicating the kind of purchase order. Confirmation EmergencyOrder ReleaseOrDeliveryOrder RushOrder StandAloneOrder SupplyOrServiceOrder Other				
	ReleaseNumber	string	O	1	
	A number identifying a release against a purchase order previously placed by the parties involved in the transaction. It is the equivalent to a work order number.				
	SalesOrderNumber	string	O	1	
	The identifier assigned by a supplier to an order placed by a customer.				
	RevisionNumber	string	O	1	
	A number indicating the version of the document. It is used if a message is resent in its entirety to replace an earlier version.				

parent(s)	FieldTicketResponseLineItem FieldTicketResponseProperties FieldTicketResponseSubLineItem
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ReferenceInformation

A collection of elements detailing references to information that reside outside of the current transaction message.

note	It is recommended that ReferenceInformation be used at either the Property or Detail level, but not both.			
level	FieldTicketResponseProperties FieldTicketResponseDetails			
children	Name	Type	Use	Max
	ReferenceNumber	string	M	1
	A number or identifier that is used to reference documents or information not included within a particular message. The referenceInformationIndicator attribute qualifies what this number references			
	Description	string	O	1
	A free-form textual explanation or clarification.			
parent(s)	FieldTicketResponseLineItem FieldTicketResponseProperties FieldTicketResponseSubLineItem			

attributes	Name	Type	Use	Fixed
	referenceInformationIndicator	string	M	
	A code to identify what type of information is being referenced.			
	AFENumber	BatchNumber		
	BillOfLading	Certification		
	CertifiedInspectionTestResults			
	ConfigurationNumber			
	ContractNumber			
	CostAllocationReference	CostCenter		
	CustomerAccountingReference			
	CustomerReferenceNumber			
	DeliveryTicketNumber			
	DivisionIdentifier			
	EngineeringChangeOrderNumber	JobNumber		
	LetterOfCreditNumber			
	LocationNumber			
	MaterialSafetyDataSheet			
	OperatorGeneralLedgerCode			
	OriginalInvoiceNumber			
	PriceAreaNumber	ProjectNumber		
	ProposalNumber	QuoteNumber		
	RequestForQuotationNumber			
	TemplateName			
	Other			

SecondCurrency

The currency code indicating a second currency, such as for European countries using the Euro and a local currency.

note				
level	FieldTicketResponseProperties			
children	<p>Name</p> <p>CurrencyCode</p> <p>A code indicating the currency in which the monetary amount is specified.</p> <p>Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.</p>	Type	Use	Max
		string	M	1
parent(s)	FieldTicketResponseProperties			

ServiceDateTime

The actual and/or schedule dates for a service.

note	<p>Format is CCYY-MM-DDThh:mm:ss where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day. The letter "T" is the date/time separator and "hh", "mm", "ss" represent hour, minute and second respectively.</p> <p>The CCYY field must have at least four digits, the MM, DD, SS, hh, mm and ss fields exactly two digits each. Leading zeroes must be used if the field would otherwise have too few digits.</p> <p>If no time is to be given then use zeroes in the hh, mm and ss fields.</p> <p>This representation may be immediately followed by a "Z" to indicate Coordinated Universal Time (UTC) or, to indicate the time zone, i.e. the difference between the local time and Coordinated Universal Time, immediately followed by a sign, + or -, followed by the difference from UTC represented as hh:mm (note: the minutes part is required). For example, to indicate 1:20 pm on May the 31st, 1999 for Eastern Standard Time which is 5 hours behind Coordinated Universal Time (UTC), one would write: 1999-05-31T13:20:00-05:00.</p>
level	<p>FieldTicketResponseProperties</p> <p>FieldTicketResponseDetails</p>
parent(s)	<p>FieldTicketResponseLineItem</p> <p>FieldTicketResponseProperties</p> <p>FieldTicketResponseSubLineItem</p>

attributes	Name	Type	Use	Fixed
	dateTypeIndicator	string	M	
	A code to identify which date being given.			
	ArriveLocationDate	InvoiceDueDate		
	InvoicePeriodStartDate			
	LeaveLocationDate			
	PromisedForDelivery			
	PromisedForShipment			
	RequestedForDelivery			
	RequestedForShipment			
	ServicePeriodEnd			
	ServicePeriodStart	ShipDate		
	Other			

ShippingAmount

The monetary amount of shipping or freight charges.

note					
level	FieldTicketResponseDetails FieldTicketResponseSummary				
children	Name	Type	Use	Max	
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal	M	1	
		string	O	1	
parent(s)	FieldTicketResponseLinItem FieldTicketResponseSubLinItem FieldTicketResponseSummary				

SpecialInstructions

A free-form textual description of special requirements.

note					
level	FieldTicketResponseProperties FieldTicketResponseDetails				
parent(s)	FieldTicketResponseLinItem FieldTicketResponseProperties FieldTicketResponseSubLinItem				
attributes	Name	Type	Use	Fixed	
	instructionIndicator A code to identify the type of instruction being given. CarrierInstructions ConsigneeInstructions DriverInstructions EmptyReturnInstructions InspectionInstructions RoutingInstructions ShipperInstructions Tolerances	string	O		ShortLeadTime Other

SubTotalAmount

The monetary amount of the subtotal. It is qualified by the subTotalIndicator attribute which identifies what the subtotal is referencing.

note				
level	FieldTicketResponseSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
parent(s)	FieldTicketResponseSummary			
attributes	Name	Type	Use	Fixed
	subTotalIndicator A code to indicate the type of subtotal being given. Equipment Labor Materials Other	string	M	

Tax

A collection of elements detailing information about tax applied to a transaction.

note	It is recommended that Tax be used at the Detail level to support tax exemptions. However, many systems cannot provide detail-level Tax information at this time, therefore, Tax is not mandatory at the detail level.
level	FieldTicketResponseDetails FieldTicketResponseSummary

children	Name	Type	Use	Max
	TaxTypeCode	string	M	1
	A code indicating the kind of tax being applied.			
	CitySalesTax			
	CountyParishSalesTax	CountyTax		
	FederalExciseTax			
	GoodsAndServicesTax			
	GrossReceiptsTax	LocalTax		
	MetropolitanTransitTax			
	StateAndLocalSalesTax			
	StateProvincialTax	StateSalesTax		
	ValueAddedTax	WellServiceTax		
	Other			
	MixedRateIndicator	string	O	1
	A mixed rate VAT tax indicator. This is used for European tax purposes.			
	TaxIdentifierNumber	string	O	1
	A unique number or code issued to an organization by a governmental or regulatory body identifying that entity for tax purposes.			
	TaxExemptCode	string	O	1
	A code identifying exemption status from sales and use tax.			
	DirectPay	Exempt		
	NonExempt	Other		
	<u>TaxLocation</u>		O	1
	The physical or deemed location at which tax is calculated based upon jurisdiction by a governmental or regulatory body.			
	TaxRate	decimal	O	1
	The percentage or monetary amount charged on a transaction.			
	<u>TaxBasisAmount</u>		O	1
	The monetary amount which is subject to tax.			
	<u>TaxAmount</u>		O	1
	The monetary amount of the tax.			
	TaxReference	string	O	1
	A free-form textual explanation or clarification.			
parent(s)	FieldTicketResponseLineItem FieldTicketResponseSubLineItem FieldTicketResponseSummary			

TaxAmount

The monetary amount of the tax.

note				
level	FieldTicketResponseDetails FieldTicketResponseSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal string	M O	1 1
parent(s)	Tax			

TaxBasisAmount

The monetary amount which is subject to tax.

note				
level	FieldTicketResponseDetails FieldTicketResponseSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal string	M O	1 1
parent(s)	Tax			

TaxInformation

A collection of elements detailing tax information about a partner.

note				
level	FieldTicketResponseProperties FieldTicketResponseDetails			

	Name	Type	Use	Max
children	TaxIdentifierNumber A unique number or code issued to an organization by a governmental or regulatory body identifying that entity for tax purposes.	string	0	1
	Jurisdiction The authority exercised by a nation, a judicial body, or a legislative body over persons, places, and property. Jurisdiction may apply to the territory over which a nation has control, including the land area, the adjacent sea, and the airspace above. It may also refer to the authority of an international body to make decisions binding on national entities.	string	0	1
	TaxCertificateType The category of tax certificate for which an identifying number is issued.	string	0	1
	TaxCertificateNumber The identifying number for a tax certificate such as tax exemption, sales and use tax certificate or other such document.	string	0	1
parent(s)	PartnerInformation			

TaxLocation

The physical or deemed location at which tax is calculated based upon jurisdiction by a governmental or regulatory body.

note				
level	FieldTicketResponseDetails FieldTicketResponseSummary			
children	Name	Type	Use	Max
	LocationIdentifier A unique identifier for a physical location.	string	O	1
	LocationName The name of the location being referenced.	string	O	1
	LocationDescription Free-form textual description of the location.	string	O	1
	AddressInformation A collection of elements defining the details of an address.		O	1
parent(s)	Tax			

Telephone

A collection of elements detailing information about a telephone number.

note				
level	FieldTicketResponseProperties FieldTicketResponseDetails			
children	Name	Type	Use	Max
	PhoneNumber A numerical sequence to reach a telephone attached to a communication network.	string	M	1
	PhoneNumberExtension An extension number that is needed to further identify the phone number.	string	O	1
	TelecomCountryCode The dialing code from another country to access the telephone network in another country.	string	O	1
	TelecomAreaCode The area code within a country or jurisdiction, if needed, to access local telephones within the country.	string	O	1
parent(s)	ContactInformation			
attributes	Name	Type	Use	Fixed
	telephoneIndicator A code to indicate the type of phone number being given.	string	O	
	Fax			Mobile
	Pager			Voice
	Other			

TermsDiscountAmount

The total monetary amount of the payment terms discount.

note				
level	FieldTicketResponseSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1

	CurrencyCode string O 1 A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.
parent(s)	FieldTicketResponseSummary

TimeWorked

The time period worked by a specific employee completing a service.

note																									
level	FieldTicketResponseDetails																								
children	<table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">Name</td> <td style="width: 10%;">Type</td> <td style="width: 10%;">Use</td> <td style="width: 10%;">Max</td> </tr> <tr> <td>Quantity</td> <td>decimal</td> <td>M</td> <td>1</td> </tr> <tr> <td>A numeric count of measure.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>UnitOfMeasureCode</td> <td>string</td> <td>M</td> <td>1</td> </tr> <tr> <td>A code identifying the units in which measurement is expressed.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Use values from the DE 355 code list contained in ASC X12 release 3030.</td> <td></td> <td></td> <td></td> </tr> </table>	Name	Type	Use	Max	Quantity	decimal	M	1	A numeric count of measure.				UnitOfMeasureCode	string	M	1	A code identifying the units in which measurement is expressed.				Use values from the DE 355 code list contained in ASC X12 release 3030.			
Name	Type	Use	Max																						
Quantity	decimal	M	1																						
A numeric count of measure.																									
UnitOfMeasureCode	string	M	1																						
A code identifying the units in which measurement is expressed.																									
Use values from the DE 355 code list contained in ASC X12 release 3030.																									
parent(s)	PersonnelInformation																								

TransportInformation

A collection of elements detailing how product is transported.

note	If TransportInformation is used, then at least one of TransportMethodCode, Routing, or ServiceLevelCode is required.
level	FieldTicketResponseProperties FieldTicketResponseDetails

children	Name	Type	Use	Max
	ShipmentMethodOfPayment A code indicating payment terms for transportation charges.	string	M	1
	Collect Collect-			
	FreightCreditedBackToCustomer			
	CustomerPickupBackhaul Pickup			
	PrepaidBySeller Prepaid-			
	ChargedToCustomer ServiceFreight-			
	NoCharge ThirdPartyPay			
	Other			
	RoutingSequenceCode A code indicating the relationship of a carrier to a specific shipment movement.	string	O	1
	OriginCarrier-AirMotorOcean			
	OriginDeliveryCarrier-AnyMode			
	Other			
	TransportMethodCode A code indicating the mode of transportation used to move product.	string	O	1
	Air AirExpress			
	Barge BestWay-			
	ShippersOption Boat			
	CustomerPickup ExpeditedTruck			
	Motor-CommonCarrier Ocean			
	ParcelPost Rail			
	SupplierTruck Truck			
	Vessel Other			
	PartnerInformation A collection of elements detailing partner information.		O	U
	Location A collection of elements giving details about a location.		O	U
	ShipmentTermsCode A code indicating the terms under which a product is shipped, such as Freight Prepaid, FOB or similar.	string	O	1
	Routing A free-form description of the shipping route to be provided for transportation of product.	string	O	1
	ServiceLevelCode A code indicating the level of service required.	string	O	1
	HazardousMaterials A collection of elements conveying hazardous goods information related to a product.		O	1
	CarrierEquipmentCode	string	O	1

	A code indicating the kind of equipment parent(s) the carrier. TransportName The identifier of specific vessel, truck, railcar, etc.	string	O	1
parent(s)	FieldTicketResponseLineItem FieldTicketResponseProperties FieldTicketResponseSubLineItem			

UnitPrice

A collection of elements detailing how product is transported.

note				
level	FieldTicketResponseDetails			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.	string	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
parent(s)	Pricing			

WellIdentifier

A unique identifier referencing a well, such as an UWI number.

note				
level	FieldTicketResponseProperties FieldTicketResponseDetails			
parent(s)	WellInformation			
attributes	Name	Type	Use	Fixed
	wellIdentifierIndicator A code to indicate the origin of the Well Identifier.	string	O	
	Number	CustomerNumber		
	UWINumber	Other		

WellInformation

A collection of elements detailing information about a well.

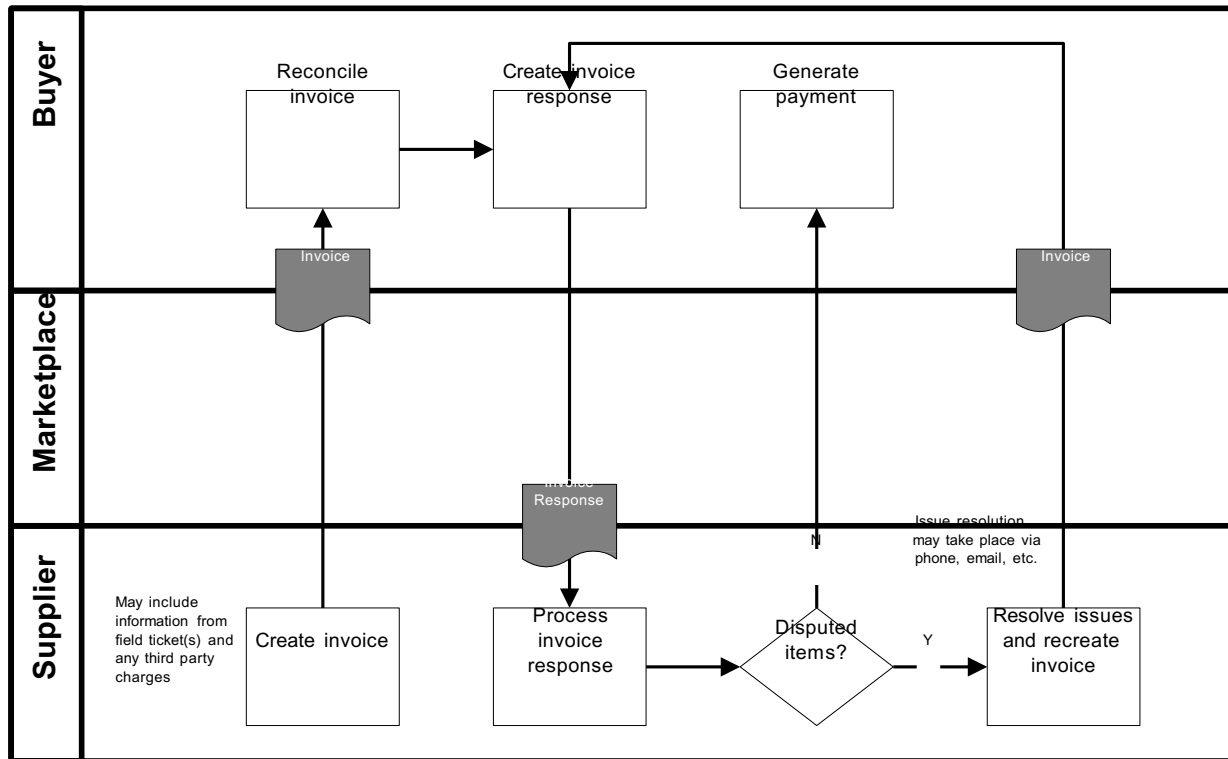
note	
level	FieldTicketResponseProperties FieldTicketResponseDetails

children	Name	Type	Use	Max
	<u>WellIdentifier</u> A unique identifier referencing a well, such as an UWI number.	string	M	U
	WellName The customer name of a well.	string	O	1
	WellType A code indicating the function of the well.	string	O	1
	Brine	DirectionalGas		
	DirectionalNonWell	DirectionalOil		
	DisposalWell	Environmental		
	Gas	HorizontalGas		
	HorizontalOil	IndustrialDisposal		
	IndustrialNonWell	Injection		
	NonWell	Oil		
	Relief	Storage		
	Sulfur	Thermal		
	Uranium	Water		
	Other			
	WellCategory A code indicating the category of a well.	string	O	1
	Abandoned	DevBelow3000		
	Development	ExistingWell		
	NonWell	ReacidizeWell		
	Recompletion	RefractedWell		
Wildcat	Workover			
Other				
parent(s)	<u>JobLocationInformation</u>			

14.0 Invoice

14.1 Business Process Diagram

Below is the Business Process Diagram for the Invoice transaction. This is not the only method in which the process can take place, however, it represents a primary process. Third parties, including a Marketplace, may be involved if necessary.



Process Model - A Seller creates an invoice using information from one or many field tickets and third party charges, if applicable. The invoice is sent to the Buyer. The Buyer reconciles the invoice and creates an invoice response and sends to the Seller. The Seller processes the response. Any disputes are handled by phone, email, etc. If necessary, once disputes are resolved, a corrected invoice is generated and sent to the Buyer. Once all information is correct, the Buyer generates payment for the invoice.

The Invoice document is used to bill the Buyer for services and/or products delivered by the Seller.

14.2 Legend to Tables

The following tables detail the elements and attributes that make up the Invoice. The legend below provides guidance to understanding the element tables. The legend is an example only and is not part of the document standard data.

Telephone ¹ ²

A collection of elements detailing information about a telephone number.

³ note						
level	OrderCreateProperties ⁴ OrderCreateDetails					
children	⁵ Name PhoneNumber ⁶ ⁷ string A numerical sequence to reach a telephone attached to a communication network. PhoneNumberExtension string O 1 An extension number that is needed to further identify the phone number. TelecomCountryCode string O 1 The dialing code from another country to access the telephone network in another country. TelecomAreaCode string O 1 The area code within a country or jurisdiction, if needed, to access local telephones within the country.	Type	Use	Max		
parent(s)	ContactInformation ⁹					
attributes	¹⁰ Name ¹¹ ¹⁴ ¹² telephoneIndicator ¹³ string O A code to indicate the type of phone number being given. Fax <input type="checkbox"/> Mobile Pager <input type="checkbox"/> Voice Other <input type="checkbox"/>	Type	Use	Fixed		

Legend	
1	The name of the element.
2	The definition of the element.
3	Contains any business rules or comments about the element
4	Identifies whether or not the element is under the Property, Detail, or Summary level of the document
5	Contains the name of the child elements and their definitions. Those elements in blue are links to the element specification. Only those elements that contain children or attributes are hyperlinked.
6	Indicates the data type of the element.
7	Indicates whether the element is mandatory (M) or optional (O).
8	Indicates whether the element can have a maximum of one occurrence (1) or unbounded multiple occurrences (U)
9	Indicates the parent element of the element.

10	Contains the name of any attributes and their definitions.
11	Indicates the data type of the attribute. If the type is blank, then the element contains children rather than data.
12	Indicates whether the attribute is mandatory (M) or optional (O).
13	Provides a fixed value for the attribute.
14	The shaded areas provide either code list values, rules, or notes about the child element or attribute.

The document, its properties, details, line item, sub-line item, and summary elements are presented first. They are followed by an alphabetical listing of those elements used in the document and have children or attributes.

14.3 Document Detail

Invoice

The root element of the Invoice message. It is used to bill for goods or services.

note		Type	Use	Max
children	Name			
	InvoiceProperties		M	1
	A collection of elements defining the invoice "meta-data" or "common data".			
	InvoiceDetails		M	1
	A collection of elements defining the details of the Invoice message.			
	InvoiceSummary		M	1
	A collection of elements detailing the totals of the invoice.			
attributes	Name	Type	Use	Fixed
	transactionPurposeIndicator	string	M	
	A code indicating the purpose of the transaction.			
	Add			
	Cancellation	Change		
	Confirmation	Delete		
	Duplicate	Original		
	Replace	Request		
	Other			
	version	decimal	M	1.0
A fixed number indicating the version of the PIDX XML Standard on which the transaction is based.				

InvoiceProperties

A collection of elements defining the invoice "meta-data" or "common data".

note	
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children	Name	Type	Use	Max
	InvoiceNumber A unique identifier for an Invoice message.	string	M	1
	InvoiceDate The date upon which an invoice was created or deemed to have been issued. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	M	1
	<u>PartnerInformation</u> A collection of elements detailing partner information.		M	U
	InvoiceTypeCode A code defining the type of invoice being transmitted.	string	O	1
	CreditMemo DebitMemo ProductOrService Other			
	RevisionNumber A number indicating the version of the document. It is used if a message is resent in its entirety to replace an earlier version.	string	O	1
	<u>PurchaseOrderInformation</u> A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.		O	1
	<u>FieldTicketInformation</u> A collection of elements containing relevant field ticket information which needs to be referenced within other documentation and/or messages.		O	1
	<u>PrimaryCurrency</u> The currency code indicating the currency to be used for the transaction.		O	1
	<u>SecondCurrency</u> The currency code indicating a second currency, such as for European countries using the Euro and a local currency.		O	1
	LanguageCode A code indicating the language used for the transaction. Use the codelist from ISO 639-2:1998 Codes for the representation of names of languages – Part 2: Alpha-3 Code.	string	O	1
	<u>RateOfExchangeDetail</u> A collection of elements containing the detail of the exchange rate between two currencies.		O	1
	<u>JobLocationInformation</u> A collection of elements giving details of a job location.		O	1
	<u>ServiceDateTime</u> The actual and/or schedule dates for a service.	datetime	O	U
	<u>CountryOfOrigin</u> The country where product originates or is deemed to have originated.		O	1
	<u>CountryOfFinalDestination</u> The country where product is ultimately delivered or is deemed to have been delivered.		O	1
	<u>TransportInformation</u> A collection of elements detailing how product is transported.		O	1
	<u>Intrastat</u>		O	1

	A collection of elements used for international (European) purposes. PaymentTerms		O	1
	A collection of elements detailing payment terms information. SpecialInstructions	string	O	U
	A free-form textual description of special requirements. ReferenceInformation		O	U
	A collection of elements detailing references to information that reside outside of the current transaction message. Attachment		O	U
	A collection of elements defining the details of an attachment to the document. Comment	string	O	1
	A free-form textual structure for general information or comments.			
parent(s)	Invoice			

InvoiceDetails

A collection of elements defining the details of the Invoice message.

note				
children	Name InvoiceLineItem	Type	Use	Max
	A collection of elements defining the details of the line items making up the invoice.		M	U
parent(s)	Invoice			

InvoiceLineItem

A collection of elements defining the details of the line items making up the invoice.

note	
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children	Name	Type	Use	Max
	LineItemNumber A sequential individual line identifier within a document containing service or item information.	string	M	1
	LineItemInformation A collection of elements detailing identifying information about a line item.		M	1
	InvoiceQuantity The number of units of an item or service invoiced.		M	1
	PurchaseOrderLineItemNumber A sequential individual line identifier within a purchase order document containing product or item information.	string	O	1
	FieldTicketLineItemNumber A sequential individual line identifier within a Field Ticket document containing product or item information.	string	O	1
	FieldTicketInformation A collection of elements containing relevant field ticket information which needs to be referenced within other documentation and/or messages.		O	1
	PurchaseOrderInformation A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.		O	1
	CommodityCode A code indicating the categorization of a product or service in accordance with a particular standard.	string	O	U
	PartnerInformation A collection of elements detailing partner information.		O	U
	JobLocationInformation A collection of elements giving details of a job location.		O	1
	PersonnelInformation A collection of elements detailing relevant personnel information.		O	U
	Pricing A collection of elements detailing price information.		O	1
	AllowanceOrCharge A collection of elements defining the details of an allowance or charge to the customer.		O	U
	Tax A collection of elements detailing information about tax applied to a transaction.		O	U
	ShippingAmount The monetary amount of shipping or freight charges.		O	1
	LineItemTotal A code indicating the response to the line item, such as accepted, rejected, etc.		O	1
	ServiceDateTime The actual and/or schedule dates for a service.	datetime	O	U
	CountryOfOrigin The country where product originates or is deemed to have originated.		O	1
	CountryOfFinalDestination The country where product is ultimately delivered or is deemed to have been delivered.		O	1
	TransportInformation		O	1

	<p>A collection of elements detailing how product is transported.</p> <p>Intrastat O 1</p> <p>A collection of elements used for international (European) purposes.</p> <p>PaymentTerms O 1</p> <p>A collection of elements detailing payment terms information.</p> <p>SpecialInstructions string O U</p> <p>A free-form textual description of special requirements.</p> <p>PackagingCharacteristicCode string O U</p> <p>A code indicating the marking, packaging, loading and related characteristics being described.</p> <p>PackageSpecifications</p> <p>ProductMarking SkidPalletType</p> <p>TypeOfPackage Other</p> <p>PackagingCharacteristicDescription string O U</p> <p>Free-form text providing any additional information associated with the Packaging Characteristic Code.</p> <p>ReferenceInformation O U</p> <p>A collection of elements detailing references to information that reside outside of the current transaction message.</p> <p>Attachment O U</p> <p>A collection of elements defining the details of an attachment to the document.</p> <p>Comment string O 1</p> <p>A free-form textual structure for general information or comments.</p> <p>InvoiceSubLineItem O U</p> <p>A collection of elements defining the details of the sub line items of an invoice. It is used if a line item needs to be broken down into further detail.</p>
parent(s)	InvoiceDetails

InvoiceSubLineItem

A collection of elements defining the details of the sub line items of an invoice. It is used if a line item needs to be broken down into further detail.

note	
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children	Name	Type	Use	Max
	SubLineItemNumber The sub-line item number relating to the primary line item referenced in the message.	string	M	1
	LineItemInformation A collection of elements detailing identifying information about a line item.		M	1
	InvoiceQuantity The number of units of an item or service invoiced.		M	1
	PurchaseOrderSubLineItemNumber A sequential individual sub-line identifier within an Order Create document containing product or item information that relates back to a parent line item.	string	O	1
	FieldTicketLineSubItemNumber A sequential individual sub-line identifier within a Field Ticket document containing product or item information that relates back to a parent line item.	string	O	1
	FieldTicketInformation A collection of elements containing relevant field ticket information which needs to be referenced within other documentation and/or messages.		O	1
	PurchaseOrderInformation A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.		O	1
	CommodityCode A code indicating the categorization of a product or service in accordance with a particular standard.	string	O	U
	PartnerInformation A collection of elements detailing partner information.		O	U
	JobLocationInformation A collection of elements giving details of a job location.		O	1
	PersonnelInformation A collection of elements detailing relevant personnel information.		O	U
	Pricing A collection of elements detailing price information.		O	1
	AllowanceOrCharge A collection of elements defining the details of an allowance or charge to the customer.		O	U
	Tax A collection of elements detailing information about tax applied to a transaction.		O	U
	ShippingAmount The monetary amount of shipping or freight charges.		O	1
	LineItemTotal A code indicating the response to the line item, such as accepted, rejected, etc.		O	1
	ServiceDateTime The actual and/or schedule dates for a service.	datetime	O	U
	CountryOfOrigin The country where product originates or is deemed to have originated.		O	1
	CountryOfFinalDestination The country where product is ultimately delivered or is deemed to have been delivered.		O	1

	<p>TransportInformation O 1</p> <p>A collection of elements detailing how product is transported.</p> <p>Intrastat O 1</p> <p>A collection of elements used for international (European) purposes.</p> <p>PaymentTerms O 1</p> <p>A collection of elements detailing payment terms information.</p> <p>SpecialInstructions string O U</p> <p>A free-form textual description of special requirements.</p> <p>PackagingCharacteristicCode string O U</p> <p>A code indicating the marking, packaging, loading and related characteristics being described.</p> <p>PackageSpecifications</p> <p>ProductMarking SkidPalletType</p> <p>TypeOfPackage Other</p> <p>PackagingCharacteristicDescription string O U</p> <p>Free-form text providing any additional information associated with the Packaging Characteristic Code.</p> <p>ReferenceInformation O U</p> <p>A collection of elements detailing references to information that reside outside of the current transaction message.</p> <p>Attachment O U</p> <p>A collection of elements defining the details of an attachment to the document.</p> <p>Comment string O 1</p> <p>A free-form textual structure for general information or comments.</p>
parent(s)	InvoiceLineItem

InvoiceSummary

A collection of elements detailing the totals of the invoice.

note	
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children	Name	Type	Use	Max
	TotalLineItems The total number of line items contained in a message.	integer	M	1
	<u>InvoiceTotal</u> The total amount payable including tax and related charges.		M	1
	<u>AllowanceOrCharge</u> A collection of elements defining the details of an allowance or charge to the customer.		O	U
	<u>ShippingAmount</u> A free-form textual description of special requirements.		O	1
	<u>Tax</u> A collection of elements detailing information about tax applied to a transaction.		O	U
	<u>SubTotalAmount</u> The monetary amount of the subtotal. It is qualified by the subTotalIndicator attribute which identifies what the subtotal is referencing.		O	U
	<u>TermsDiscountAmount</u> The total monetary amount of the payment terms discount.		O	1
	<u>DiscountedAmountDue</u> The monetary amount due if paid by terms discount due date (total invoice or		O	1

installment amount less cash discount.)

parent(s)

AddressInformation

A collection of elements defining the details of an address.

note				
level	InvoiceProperties InvoiceDetails			
children	<p>Name</p> <p>POBoxNumber The identity of a physical box within a postal facility to accept and receive mail.</p> <p>BuildingHouseNumber The alphanumeric identifier of a building as a part of an address.</p> <p>StreetName The name of a street as part of an address.</p> <p>AddressLine An occurrence of a generally accepted formatted line of data such that when combined with the entire address structure there is sufficient information for delivery or location purposes.</p> <p>CityName The name of the city or municipality.</p> <p>StateProvince The name of the municipality or town as a location for mailing, siting and other geographic functions.</p> <p>PostalCode The code assigned by local postal authorities to delivery addresses.</p> <p>PostalCountry The country code indicating the country to which mail should be delivered.</p> <p>CountyName The name of the county.</p> <p>LocationIdentifier A unique identifier for a physical location.</p>	Type	Use	Max
		string	O	1
		string	O	1
		string	O	1
		string	O	U
		string	O	1
		string	O	1
		string	O	1
			O	1
		string	O	1
parent(s)	JobLocationInformation Location PartnerInformation TaxLocation			

AllowanceOrCharge

A collection of elements defining the details of an allowance or charge to the customer.

note	If AllowanceOrCharge is used, then at least one of AllowanceOrChargeRate, AllowanceOrChargeTotalAmount, or AllowanceOrChargePercent is required.
level	InvoiceDetails InvoiceSummary

children	Name	Type	Use	Max
	AllowanceOrChargeTotalAmount The total monetary amount for the allowance or charge.		0	1
	AllowanceOrChargeRate The rate per unit of the allowance or charge.		0	1
	AllowanceOrChargePercent The allowance or charge expressed as a percentage.	decimal	0	1
	AllowanceOrChargeNumber The identifier assigned by a vendor referencing an allowance, promotion, deal or charge.	string	0	1
	AllowanceOrChargeTypeCode A code identifying the kind of allowance or charge being described.	string	0	1
	Freight			
	FuelSurcharge			
	SpecialHandlingService			
	Discount			
	FlatRate			
	EngineeringCharge			
	InvoiceAdjustment			
	InsuranceSurcharge			
	OneTimeLicenseFee			
	Royalties			
	MiscellaneousCharge			
	PostageCharge			
	TrailerRentalCharge			
	TransportationDirectBilling			
	TransportationVendorProvided			
	Other			
	MethodOfHandlingCode A code which describes how a particular allowance or charge should be handled.	string	0	1
	OffInvoice			
	ChargeToBePaidByCustomer			
	Other			
	AllowanceOrChargeDescription A free form description used to clarify the related allowance and charge data elements and their content.	string	0	1
	AllowanceOrChargeQuantity The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.		0	1
parent(s)	InvoiceLineItem InvoiceSubLineItem InvoiceSummary			

attributes	Name	Type	Use	Fixed
	allowanceOrChargeIndicator	string	M	
	A code to indicate whether the information relates to an allowance or charge.			
	Allowance			
	Charge			
	Other			

AllowanceOrChargePercent

The allowance or charge expressed as a percentage.

note				
level	InvoiceDetails InvoiceSummary			
parent(s)	AllowanceOrCharge			
attributes	Name	Type	Use	Fixed
	percentIndicator	string	O	
	A code indicating on what basis the allowance or charge percent is calculated.			

AllowanceOrChargeQuantity

The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.

note				
level	InvoiceDetails InvoiceSummary			
children	Name	Type	Use	Max
	Quantity	decimal	M	1
	A numeric count of measure.			
	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed.			
	Use values from the DE 355 code list contained in ASC X12 release 3030.			
parent(s)	AllowanceOrCharge			

AllowanceOrChargeRate

The rate per unit of the allowance or charge.

note				
level	InvoiceDetails InvoiceSummary			
children	Name	Type	Use	Max
	MonetaryAmount	decimal	M	1
	The currency value of a transaction or item.			
	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed.			
	Use values from the DE 355 code list contained in ASC X12 release 3030.			
	CurrencyCode	string	O	1
	A code indicating the currency in which the monetary amount is specified.			
	Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.			
parent(s)	AllowanceOrCharge			

AllowanceOrChargeTotalAmount

The total monetary amount for the allowance or charge.

note				
level	InvoiceDetails InvoiceSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	CurrencyCode	string	O	1

	A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.
parent(s)	AllowanceOrCharge

AlternativeCommunicationMethod

Additional methods of communication, such as an IP Address or Printer ID, in addition to those specifically listed elsewhere in contact or address information.

note																																									
level	InvoiceProperties InvoiceDetails																																								
parent(s)	ContactInformation																																								
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Fixed</th> </tr> </thead> <tbody> <tr> <td>alternativeCommunicationMethodIndicator</td> <td>string</td> <td>M</td> <td></td> </tr> <tr> <td colspan="4">A code to indicate the type of alternative communication method.</td> </tr> <tr> <td>AUTOVON</td> <td></td> <td></td> <td></td> </tr> <tr> <td>EDIAccessNumber</td> <td></td> <td></td> <td></td> </tr> <tr> <td>FederalTelecommunicationsSystem</td> <td>IPAddress</td> <td></td> <td></td> </tr> <tr> <td>PacketSwitching</td> <td>PrinterID</td> <td></td> <td></td> </tr> <tr> <td>StationCode</td> <td>Telemail</td> <td></td> <td></td> </tr> <tr> <td>Telex</td> <td>TWX</td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Fixed	alternativeCommunicationMethodIndicator	string	M		A code to indicate the type of alternative communication method.				AUTOVON				EDIAccessNumber				FederalTelecommunicationsSystem	IPAddress			PacketSwitching	PrinterID			StationCode	Telemail			Telex	TWX			Other			
Name	Type	Use	Fixed																																						
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StationCode	Telemail																																								
Telex	TWX																																								
Other																																									

Attachment

A collection of elements defining the details of an attachment to the document.

note	
level	InvoiceProperties InvoiceDetails

	Name	Type	Use	Max
children	AttachmentPurposeCode	string	0	1
	A code to indicate the purpose of the attachment.			
	Template			
	Other			
	FileName	string	0	1
	The name of the file in an attachment.			
	AttachmentTitle	string	0	1
	The title of the attachment.			
	AttachmentDescription	string	0	1
A free-form textual description of the attachment.				
	FileType	string	0	1
The type of the file in an attachment.				
	AttachmentLocation	string	0	1
The location of the attachment, such as a URL.				
parent(s)	InvoiceLineItem InvoiceProperties			

[InvoiceSubLineItem](#)

Block

A collection of elements defining the details of a block, which identifies a location.

note					
level	InvoiceProperties InvoiceDetails				
children	Name	Type	Use	Max	
	BlockName	string	0	1	
	The name of the block, which identifies a location.				
	OCSGNumber	string	0	1	
	The Outer Continental Shelf Gulf number.				
	StateLease	string	0	1	
	Lease on state land.				
parent(s)	GeographicalInformation				

CommodityCode

A code indicating the categorization of a product or service in accordance with a particular standard.

note					
level	InvoiceDetails				
parent(s)	InvoiceLineItem InvoiceSubLineItem				
attributes	Name	Type	Use	Fixed	
	agencyIndicator	string	0		
	A code indicating what agency or organization is responsible for defining the commodity code list.				

ContactIdentifier

The identifier of the contact person or department.

note					
level	InvoiceProperties InvoiceDetails				
parent(s)	ContactInformation				
attributes	Name	Type	Use	Fixed	
	contactIdentifierIndicator	string	0		
	A code to identify the origin of the contact identifier.				
	AssignedByBuyer				
	AssignedBySeller	EmployeeID			
	Other				

ContactInformation

A collection of elements defining details of communication for a contact person.

note	It is recommended that ContactInformation be used at either the Property or Detail level, but not both.				
level	InvoiceProperties InvoiceDetails				
children	Name	Type	Use	Max	
	ContactIdentifier	string	O	1	
	The identifier of the contact person or department.				
	ContactName	string	O	1	
	The name of the contact person within the organization.				
	ContactDescription	string	O	1	
	A free-form textual description of the contact.				
	Telephone			O	U
	A collection of elements detailing information about a telephone number.				
	EmailAddress	string	O	1	
The address assigned to a person or organization to receive electronic messages.					
AlternativeCommunicationMethod	string		O	U	
Additional methods of communication, such as an IP Address or Printer ID, in addition to those specifically listed elsewhere in contact or address information.					
parent(s)	PartnerInformation				
attributes	Name	Type	Use	Fixed	
	contactInformationIndicator	string	M		
	A code indicating the function of the contact.				
	BuyerDepartment	DeliveryContact			
	DesignEngineer	Engineer			
	EnteredBy				
	FieldRepresentative				
	OfficeRepresentative				
	OrderContact	PurchasingAgent			
	QuotePreparer	QuoteRequestor			
	RFQContact				
	SalesRepresentative				
	ServiceCoordinator				
	TechnicalMarketingRepresentative				
	Other				

CountryOfFinalDestination

The country where product is ultimately delivered or is deemed to have been delivered.

note				
level	InvoiceProperties InvoiceDetails			
children	Name CountryCode A code indicating a country.	Type string	Use M	Max 1

	<p>Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions - Part 1: Country Codes.</p>
parent(s)	<p>!unjp >ljp >ttPm InvoiceProperties InvoiceSublineItem</p>

CountryOfOrigin

The country where product originates or is deemed to have originated.

note																	
level	InvoiceProperties InvoiceDetails																
children	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>CountryCode</td> <td>string</td> <td>M</td> <td>1</td> </tr> <tr> <td colspan="4">A code indicating a country.</td> </tr> <tr> <td colspan="4">Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.</td> </tr> </tbody> </table>	Name	Type	Use	Max	CountryCode	string	M	1	A code indicating a country.				Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.			
Name	Type	Use	Max														
CountryCode	string	M	1														
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parent(s)	InvoiceLineItem InvoiceProperties InvoiceSubLineItem																

Deferred

The terms for a deferred payment in relation to a transaction.

note																																									
level	InvoiceProperties InvoiceDetails																																								
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A free-form textual explanation or clarification.																																									
parent(s)	PaymentTerms																																								

DeferredAmount

The monetary amount that is deferred for payment based upon terms in an invoice, contract or agreement.

note	
level	InvoiceProperties InvoiceDetails

children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
parent(s)	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
	Deferred			

DiscountAmount

The monetary amount of a discount based upon payment terms.

note				
level	InvoiceProperties InvoiceDetails			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal string	M O	1 1
parent(s)	Discounts			

DiscountedAmountDue

The monetary amount due if paid by terms discount due date (total invoice or installment amount less cash discount.)

note				
level	InvoiceSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal string	M O	1 1
parent(s)	InvoiceSummary			

Discounts

The monetary amount allowed or applied as a credit against a transaction or balance.

note				
level	InvoiceProperties InvoiceDetails			



	Name	Type	Use	Max
children	DaysDue	integer	0	1
	The number of days from the payment terms basis date before a discount expires.			
	DiscountsDueDate	date	0	1
	The date upon which a discount expires. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.			
	PercentDiscount	decimal	0	1
	A discount to be applied to the transaction expressed as a percentage.			
	<u>DiscountAmount</u>		0	1
	The monetary amount of a discount based upon payment terms.			
	Description	string	0	1
	A free-form textual explanation or clarification.			
parent(s)	<u>PaymentTerms</u>			

EffectiveDates

The period of time (or range) where the information is valid or guaranteed.

note				
level	InvoiceProperties InvoiceDetails			
children	Name	Type	Use	Max
	FromDate The date upon which a time period begins. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	M	1
children	Name	Type	Use	Max
	ToDate The date upon which a time period ends. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	M	1
parent(s)	TaxInformation			

FieldTicketInformation

A collection of elements containing relevant field ticket information which needs to be referenced within other documentation and/or messages.

note				
level	InvoiceProperties InvoiceDetails			
children	Name	Type	Use	Max
	FieldTicketNumber A unique identifier for a Field Ticket.	string	M	1
children	Name	Type	Use	Max
	FieldTicketDate The date upon which a field ticket was created or deemed to have been issued. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	O	1
children	Name	Type	Use	Max
	RevisionNumber A number indicating the version of the document. It is used if a message is resent in its entirety to replace an earlier version.	string	O	1
parent(s)	InvoiceLineItem InvoiceProperties InvoiceSubLineItem			

GeographicalInformation

A collection of elements defining a geographical location.

note	If any one of Section, Township, or Range is given then the other two are required.				
level	InvoiceProperties InvoiceDetails				
children	Name	Type	Use	Max	
	FieldName	string	O	1	
	The name of the oil field.				
	Section	string	O	1	
	A part of Section/Township/Range location identifier scheme.				
	Township	string	O	1	
	A part of Section/Township/Range location identifier scheme.				
	Range	string	O	1	
A part of Section/Township/Range location identifier scheme.					
Region	string	O	1		
The name of a geographic region.					
Block			O	1	
A collection of elements defining the details of a block, which identifies a location.					
GPSCoordinates			O	1	
A collection of elements containing latitude and longitude data for a specific location.					
parent(s)	JobLocationInformation Location				

GPSCoordinates

A collection of elements containing latitude and longitude data for a specific location.

note					
level	InvoiceProperties InvoiceDetails				
children	Name	Type	Use	Max	
	Latitude	string	M	1	
	The specified latitude of a location.				
Longitude	string	M	1		
The specified longitude of a location.					
parent(s)	GeographicalInformation				

HazardousMaterialClassCode

A code indicating the kind of hazard for a material.

note	
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level	InvoiceProperties InvoiceDetails			
parent(s)	HazardousMaterials			
attributes	Name	Type	Use	Fixed
	hazardousMaterialIndicator	string	M	
	A code which qualifies the Hazardous Material Class Code.			

HazardousMaterials

A collection of elements conveying hazardous goods information related to a product.

note	If HazardousMaterials is used, then at least one of SpecialHandlingCode or HazardousMaterialDescription is required.			
level	InvoiceProperties InvoiceDetails			
children	Name	Type	Use	Max
	SpecialHandlingCode	string	0	1
	A code identifying any special transportation handling instructions			
	HazardousMaterialDescription	string	0	1
	A free-form textual explanation of information related to a hazardous shipment.			
	HazardousMaterialClassCode	string	0	U
	A code indicating the kind of hazard for a material.			
parent(s)	TransportInformation			

Intrastat

A collection of elements used for international (European) purposes.

note	This structure was created to satisfy international requirements as outlined by BASDA .			
level	InvoiceProperties InvoiceDetails			

children	Name	Type	Use	Max
	<u>CommodityCode</u>	string	0	1
	A code indicating the categorization of a product or service in accordance with a particular standard. Should only be used at the InvoiceDetails level.			
	CommodityDescription	string	0	1
	A textual description of the commodity code.			
	TransactionNature	string	0	1
	Identifies the nature of the transaction Should only be used at the InvoiceProperties level.			
	SupplementaryUnits	int	0	1
	???????????????????? Should only be used at the InvoiceDetails level.			
	<u>CountryOfFinalDestination</u>		0	1
	The country where product is ultimately delivered or is deemed to have been delivered.			
	TransportMethodCode	string	0	1
	A code indicating the mode of transportation used to move product.			
	Air <input type="checkbox"/> AirExpress			
	Barge <input type="checkbox"/> BestWay-			
	ShippersOption <input type="checkbox"/> Boat			
	CustomerPickup <input type="checkbox"/> ExpeditedTruck			
	Motor-CommonCarrier <input type="checkbox"/> Ocean			
	ParcelPost <input type="checkbox"/> Rail			
	SupplierTruck <input type="checkbox"/> Truck			
	Vessel <input type="checkbox"/>			

	Other
parent(s)	InvoiceLineItem InvoiceProperties InvoiceSubLineItem

InvoiceQuantity

The number of units of an item or service invoiced.

note																									
level	InvoiceProperties InvoiceDetails																								
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A code identifying the units in which measurement is expressed.																									
Use values from the DE 355 code list contained in ASC X12 release 3030.																									
parent(s)	InvoiceLineItem InvoiceSubLineItem																								

InvoiceTotal

The total amount payable including tax and related charges.

note																									
level	InvoiceSummary																								
children	<table border="0"> <tr> <td>Name</td> <td>Type</td> <td>Use</td> <td>Max</td> </tr> <tr> <td>MonetaryAmount</td> <td>decimal</td> <td>M</td> <td>1</td> </tr> <tr> <td>The currency value of a transaction or item.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>CurrencyCode</td> <td>string</td> <td>O</td> <td>1</td> </tr> <tr> <td>A code indicating the currency in which the monetary amount is specified.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.</td> <td></td> <td></td> <td></td> </tr> </table>	Name	Type	Use	Max	MonetaryAmount	decimal	M	1	The currency value of a transaction or item.				CurrencyCode	string	O	1	A code indicating the currency in which the monetary amount is specified.				Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.			
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parent(s)	InvoiceSummary																								

JobLocationIdentifier

A unique identifier referencing the job location.

note																																																					
level	InvoiceProperties InvoiceDetails																																																				
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attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Fixed</th> </tr> </thead> <tbody> <tr> <td>jobLocationIdentifierIndicator</td> <td>string</td> <td>0</td> <td></td> </tr> <tr> <td colspan="4">A code to define what type of location the identifier is referencing.</td> </tr> <tr> <td>ChemicalPlant</td> <td>Coal-</td> <td></td> <td></td> </tr> <tr> <td>Degas</td> <td>CogenerationPlant</td> <td></td> <td></td> </tr> <tr> <td>Construction</td> <td>Dock</td> <td></td> <td></td> </tr> <tr> <td>GasPlant</td> <td></td> <td></td> <td></td> </tr> <tr> <td>IndustrialServiceMiscellaneous</td> <td></td> <td></td> <td></td> </tr> <tr> <td>MilitaryGovernment</td> <td>PaperMill</td> <td></td> <td></td> </tr> <tr> <td>PetroleumPlant</td> <td>Pipeline</td> <td></td> <td></td> </tr> <tr> <td>Refinery</td> <td>Rig</td> <td></td> <td></td> </tr> <tr> <td>UtilityPlant</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Fixed	jobLocationIdentifierIndicator	string	0		A code to define what type of location the identifier is referencing.				ChemicalPlant	Coal-			Degas	CogenerationPlant			Construction	Dock			GasPlant				IndustrialServiceMiscellaneous				MilitaryGovernment	PaperMill			PetroleumPlant	Pipeline			Refinery	Rig			UtilityPlant				Other			
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PetroleumPlant	Pipeline																																																				
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UtilityPlant																																																					
Other																																																					

JobLocationInformation

A collection of elements giving details of a job location.

note	
level	InvoiceProperties InvoiceDetails

children	Name	Type	Use	Max
	JobLocationIdentifier A unique identifier referencing the job location.	string	0	U
	JobLocationClassCode A code indicating the class of the job location.	string	0	1
	FederalWaters Land			
	InlandWaters StateWaters			
	Other			
	JobLocationDescription A free-form textual description of the job location.	string	0	1
	JobLocationStatus A code indicating whether a location is active or inactive.	string	0	1
	Inactive Active			
	Other			
	WellInformation A collection of elements detailing information about a well.		0	1
	JobSiteCategory A code indicating the kind of site on which the job is located.	string	0	1
	Boiler CivilHighways			
	Compression Condenser			
	ConstructPiles Dams			
	HeatExchanger			
	IndustrialServiceMiscellaneous Piping			
	Production TowerVessel			
	Turbine UndergroundStr			
	Other			
	AddressInformation A collection of elements defining the details of an address.		0	1
	GeographicalInformation A collection of elements defining a geographical location.		0	1
parent(s)	InvoiceLineItem			
	InvoiceProperties			
	InvoiceSubLineItem			

LinItemIdentifier

The unique identifier for a product or service making up the line item.

note				
level	InvoiceDetails			
parent(s)	LinItemInformation			
attributes	Name	Type	Use	Fixed
	identifierIndicator	string	M	
	A code to indicate the origin of the identifier.			
	AssignedByBuyer			
	AssignedByManufacturer			
	AssignedBySeller			
	CatalogueNumber	UPCNumber		
	Other			

LinItemInformation

A collection of elements detailing identifying information about a line item.

note				
level	InvoiceDetails			
children	Name	Type	Use	Max
	LinItemIdentifier	string	O	U
	The unique identifier for a product or service making up the line item.			
	LinItemName	string	O	1
	The name of the product or service in the line item.			
children	LinItemDescription	string	O	1
	A free-form textual description of the line item.			
	ManufacturerIdentifier	string	O	1
A unique identifier for a manufacturer.				
parent(s)	InvoiceLinItem			
	InvoiceSubLinItem			

LinItemTotal

The net total monetary amount for the line item.

note				
level	InvoiceDetails			
children	Name	Type	Use	Max
	MonetaryAmount	decimal	M	1
	The currency value of a transaction or item.			
children	CurrencyCode	string	O	1
	A code indicating the currency in which the monetary amount is specified.			

	Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.
parent(s)	InvoiceLineItem InvoiceSubLineItem

Location

A collection of elements giving details about a location.

note					
level	InvoiceProperties InvoiceDetails				
children	Name	Type	Use	Max	
	LocationIdentifier	string	O	1	
	A unique identifier for a physical location.				
	LocationName	string	O	1	
	The name of the location being referenced.				
	AddressInformation		O	1	
children	A collection of elements defining the details of an address.				
	GeographicalInformation		O	1	
	A collection of elements defining a geographical location.				
	LocationDescription	string	O	1	
Free-form textual description of the location.					
parent(s)	TransportInformation				
attributes	Name	Type	Use	Fixed	
	locationIndicator	string	O		
	A code to identify what kind of location is being referenced. FreightEqualizationPoint				
	OnVessel-FOBPoint				
	AssignedBySeller				
	Origin-AfterLoadingOnEquipment				
	Origin-ShippingPoint				
	Plant				
	ShippingDestination				
	Warehouse				
	Other				

MeasurementRange

A collection of elements providing a minimum and maximum measurement to create a range.

note					
level	InvoiceDetails				
children	Name	Type	Use	Max	
	MinimumMeasurement	decimal	M	1	
	The smallest measurement in a given range.				
children	MaximumMeasurement	decimal	M	1	
	The largest measurement in a given range.				
parent(s)	PriceBasis				

PartnerIdentifier

A unique identifier indicating a particular partner or organization.

note				
level	InvoiceProperties InvoiceDetails			
parent(s)	PartnerInformation			
attributes	Name	Type	Use	Fixed
	partnerIdentifierIndicator	string	M	
	A code to identify the origin of the Partner Identifier.			
	AssignedByBuyer			
	AssignedBySeller	DUNSNumber		
	DUNS+4Number			
	Other			

PartnerInformation

A collection of elements detailing partner information.

note				
level	InvoiceProperties InvoiceDetails			
children	Name PartnerIdentifier A unique identifier indicating a particular partner or organization. PartnerName The name of the organization being referenced in Partner Information. AddressInformation A collection of elements defining the details of an address. ContactInformation A collection of elements defining details of communication for a contact person. TaxInformation A collection of elements detailing tax information about a partner. URL A Uniform Resource Locator indicating an internet address.	Type string string string string string string	Use M O O O O	Max U 1 1 U 1 1
parent(s)	InvoiceLineItem InvoiceProperties InvoiceSubLineItem			

attributes	Name	Type	Use	Fixed
	partnerRoleIndicator	string	M	
	A code to indicate the role in this transaction of the partner being referenced.			
	BillAndShipTo			
	BillTo			
	Carrier			
	CommissionPayee			
	FinalRecipient			
	Manufacturer			
	Marketplace			
	MaterialIssuer			
	OnsiteContractingCompany			
	OperatingCompany			
	Payer			
	PrimaryContractor			
	RemitTo			
	Seller			
	ShipFromParty			
	ShipToParty			
	SoldTo			
	ThirdParty			
	Vendor			
	Warehouse			
	Other			

PaymentTerms

A collection of elements detailing payment terms information.

note	<p>If either one of PercentDiscount or DiscountAmount is used, then at least one of DiscountsDueDate or DaysDue is required.</p> <p>If DeferredDueDate is used, then at least one of DeferredAmountDue or PercentOfInvoicePayable is required.</p>			
level	<p>InvoiceProperties</p> <p>InvoiceDetails</p>			
children	<p>Name</p> <p>PaymentTermsOfSale</p> <p>The terms on which payment is calculated for the transaction.</p> <p>Description</p> <p>A free-form textual explanation or clarification.</p> <p>PaymentTermsBasisDateCode</p> <p>A code identifying the beginning of the terms period.</p> <p>DeliveryDate InvoiceDate</p> <p>InvoiceReceiptDate Other</p> <p>PaymentTermsBasisDate</p> <p>The date from which payment terms or discounts are calculated or based.</p> <p>Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.</p> <p>TermsNetDays</p> <p>The number of days until the total invoice amount is due (discount not applicable).</p> <p>PercentOfInvoicePayable</p> <p>The amount of an invoice payable expressed as a percentage.</p> <p>Discounts</p> <p>The monetary amount allowed or applied as a credit against a transaction or balance.</p> <p>Deferred</p> <p>The terms for a deferred payment in relation to a transaction.</p> <p>Penalty</p> <p>A percentage used to calculate the penalty on any balance unpaid by the due date.</p>	Type	Use	Max
		string	0	1
		string	0	1
		string	0	1
		date	0	1
		integer	0	1
		decimal	0	1
			0	1
			0	1
		string	0	1
parent(s)	<p>InvoiceLineItem</p> <p>InvoiceProperties</p> <p>InvoiceSubLineItem</p>			

PersonnelInformation

A collection of elements detailing relevant personnel information.

note	
level	InvoiceDetails

children	Name	Type	Use	Max
	PersonnelName The name of the person being referenced.	string	0	1
	CompanyName The name of the company.	string	0	1
	PersonnelIdentifier A unique identifier for an employee of an organization.	string	0	1
	<u>TimeWorked</u> The time period worked by a specific employee completing a service.		0	1

	JobDescription A free-form textual description of the job.	string	O	1
	Comment A free-form textual structure for general information or comments.	string	O	1
parent(s)	InvoiceLineItem InvoiceSubLineItem			

PostalCountry

The country code indicating the country to which mail should be delivered.

note				
level	InvoiceProperties InvoiceDetails			
children	Name CountryCode A code indicating a country. Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.	Type string	Use M	Max 1
parent(s)	AddressInformation			

PriceBasis

A structure allowing for a price to be based on more than just a single unit of measure.

note				
level	InvoiceDetails			
children	Name Measurement A numeric value for technical or attribute data. MeasurementRange A collection of elements providing a minimum and maximum measurement to create a range. UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030. BasisDescription Free-form textual description of the basis.	Type decimal string string	Use O M O	Max 1 1 1 1
parent(s)	Pricing			

Pricing

A collection of elements detailing price information.

note	
level	InvoiceDetails

	Name	Type	Use	Max
children	UnitPrice		M	1
	The unit price of the product or service being sold.			
parent(s)	PriceBasis		O	U
	A structure allowing for a price to be based on more than just a single unit of measure.			
	InvoiceLineItem			
	InvoiceSubLineItem			

PrimaryCurrency

The currency code indicating the currency to be used for the transaction.

note				
level	InvoiceProperties			
children	Name	Type	Use	Max
	CurrencyCode	string	M	1
	A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.			
parent(s)	InvoiceProperties			

PurchaseOrderInformation

A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.

note				
level	InvoiceProperties InvoiceDetails			
children	Name	Type	Use	Max
	PurchaseOrderNumber	string	M	1
	A unique identifier for an Order Create message.			
	PurchaseOrderIssuedDate	date	O	1
	The date upon which an order was created or deemed to have been issued. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.			
	PurchaseOrderTypeCode	string	O	1
	A code indicating the kind of purchase order.			
	Confirmation	EmergencyOrder		
	ReleaseOrDeliveryOrder	RushOrder		
	StandAloneOrder			
	SupplyOrServiceOrder	Other		
	ReleaseNumber	string	O	1
	A number identifying a release against a purchase order previously placed by the parties involved in the transaction. It is the equivalent to a work order number.			
	SalesOrderNumber	string	O	1
	The identifier assigned by a supplier to an order placed by a customer.			
	RevisionNumber	string	O	1
	A number indicating the version of the document. It is used if a message is resent in its entirety to replace an earlier version.			

parent(s)	InvoiceLineItem InvoiceProperties InvoiceSubLineItem
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RateOfExchangeDetail

A collection of elements containing the detail of the exchange rate between two currencies.

note	
level	InvoiceProperties

	Name	Type	Use	Max
children	ReferenceCurrency		M	1
	The currency from which a monetary value is to be converted using a rate of exchange.			
	TargetCurrency		M	1
	The currency to which the monetary value is to be converted using a rate of exchange.			
	ExchangeRate		string	M
	An equation which converts monetary amounts into different denominations.			
	DateOfRateOfExchange			
	The date upon which the exchange rate was quoted.			
	Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.			
parent(s)	InvoiceProperties			

ReferenceCurrency

The currency from which a monetary value is to be converted using a rate of exchange.

note				
level	InvoiceProperties			
children	<p>Name</p> <p>CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.</p>	Type string	Use M	Max 1
parent(s)	RateOfExchangeDetail			

ReferenceInformation

A collection of elements detailing references to information that reside outside of the current transaction message.

note	It is recommended that ReferenceInformation be used at either the Property or Detail level, but not both.			
level	InvoiceProperties InvoiceDetails			
children	<p>Name</p> <p>ReferenceNumber A number or identifier that is used to reference documents or information not included within a particular message. The referenceInformationIndicator attribute qualifies what this number references</p> <p>Description A free-form textual explanation or clarification.</p>	Type string	Use M	Max 1
parent(s)	InvoiceLineItem InvoiceProperties InvoiceSubLineItem			

attributes	Name	Type	Use	Fixed
	referenceInformationIndicator A code to identify what type of information is being referenced.	string	M	
	AFENumber	BatchNumber		
	BillOfLading	Certification		
	CertifiedInspectionTestResults			
	ConfigurationNumber			
	ContractNumber			
	CostAllocationReference	CostCenter		
	CustomerAccountingReference			
	CustomerReferenceNumber			
	DeliveryTicketNumber			
	DivisionIdentifier			
	EngineeringChangeOrderNumber	JobNumber		
	LetterOfCreditNumber			
	LocationNumber			
	MaterialSafetyDataSheet			
	OperatorGeneralLedgerCode			
	OriginalInvoiceNumber			
	PriceAreaNumber	ProjectNumber		
	ProposalNumber			

	QuoteNumber	
	RequestForQuotationNumber	
	TemplateName	Other

SecondCurrency

The currency code indicating a second currency, such as for European countries using the Euro and a local currency.

note				
level	InvoiceProperties			
children	Name	Type	Use	Max
	CurrencyCode	string	M	1
	A code indicating the currency in which the monetary amount is specified.			
	Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.			
parent(s)	InvoiceProperties			

ServiceDateTime

The actual and/or schedule dates for a service.

note	<p>Format is CCYY-MM-DDThh:mm:ss where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day. The letter "T" is the date/time separator and "hh", "mm", "ss" represent hour, minute and second respectively.</p> <p>The CCYY field must have at least four digits, the MM, DD, SS, hh, mm and ss fields exactly two digits each. Leading zeroes must be used if the field would otherwise have too few digits.</p> <p>If no time is to be given then use zeroes in the hh, mm and ss fields.</p> <p>This representation may be immediately followed by a "Z" to indicate Coordinated Universal Time (UTC) or, to indicate the time zone, i.e. the difference between the local time and Coordinated Universal Time, immediately followed by a sign, + or -, followed by the difference from UTC represented as hh:mm (note: the minutes part is required). For example, to indicate 1:20 pm on May the 31st, 1999 for Eastern Standard Time which is 5 hours behind Coordinated Universal Time (UTC), one would write: 1999-05-31T13:20:00-05:00.</p>			
level	InvoiceProperties InvoiceDetails			
parent(s)	InvoiceLineItem InvoiceProperties InvoiceSubLineItem			

attributes	Name	Type	Use	Fixed
	dateTypeIndicator	string	M	
	A code to identify which date being given.			
	ArriveLocationDate	InvoiceDueDate		
	InvoicePeriodStartDate			
	LeaveLocationDate			
	PromisedForDelivery			
	PromisedForShipment			
	RequestedForDelivery			
	RequestedForShipment			
	ServicePeriodEnd			
	ServicePeriodStart	ShipDate		
	Other			

ShippingAmount

The monetary amount of shipping or freight charges.

note				
level	InvoiceDetails InvoiceSummary			
children	<p>Name</p> <p>MonetaryAmount The currency value of a transaction or item.</p> <p>CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.</p>	<p>Type</p> <p>decimal</p> <p>string</p>	<p>Use</p> <p>M</p> <p>O</p>	<p>Max</p> <p>1</p> <p>1</p>
parent(s)	InvoiceLineItem InvoiceSubLineItem InvoiceSummary			

SpecialInstructions

A free-form textual description of special requirements.

note				
level	InvoiceProperties InvoiceDetails			
parent(s)	InvoiceLineItem InvoiceProperties InvoiceSubLineItem			
attributes	<p>Name</p> <p>instructionIndicator A code to identify the type of instruction being given.</p> <p>CarrierInstructions</p> <p>ConsigneeInstructions</p> <p>DriverInstructions</p> <p>EmptyReturnInstructions</p> <p>InspectionInstructions</p> <p>RoutingInstructions</p> <p>ShipperInstructions</p> <p>Tolerances</p>	<p>Type</p> <p>string</p> <p>ShortLeadTime</p> <p>Other</p>	<p>Use</p> <p>O</p>	<p>Fixed</p>

SubTotalAmount

The monetary amount of the subtotal. It is qualified by the subTotalIndicator attribute which identifies what the subtotal is referencing.

note				
level	InvoiceSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
parent(s)	InvoiceSummary			
attributes	Name	Type	Use	Fixed
	subTotalIndicator A code to indicate the type of subtotal being given. Equipment Labor Materials Other	string	M	

TargetCurrency

The currency to which the monetary value is to be converted using a rate of exchange.

note				
level	InvoiceProperties			
children	Name	Type	Use	Max
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	M	1
parent(s)	RateOfExchangeDetail			

Tax

A collection of elements detailing information about tax applied to a transaction.

note	It is recommended that Tax be used at the Detail level to support tax exemptions. However, many systems cannot provide detail-level Tax information at this time, therefore, Tax is not mandatory at the detail level.
level	InvoiceDetails InvoiceSummary

children	Name	Type	Use	Max
	TaxTypeCode	string	M	1
	A code indicating the kind of tax being applied.			
	CitySalesTax			
	CountyParishSalesTax	CountyTax		
	FederalExciseTax			
	GoodsAndServicesTax			
	GrossReceiptsTax	LocalTax		
	MetropolitanTransitTax			
	StateAndLocalSalesTax			
	StateProvincialTax	StateSalesTax		
	ValueAddedTax	WellServiceTax		
	Other			
	MixedRateIndicator	string	O	1
	A mixed rate VAT tax indicator. This is used for European tax purposes.			
	TaxIdentifierNumber	string	O	1
	A unique number or code issued to an organization by a governmental or regulatory body identifying that entity for tax purposes.			
	TaxExemptCode	string	O	1
	A code identifying exemption status from sales and use tax.			
	DirectPay	Exempt		
	NonExempt	Other		
	<u>TaxLocation</u>		O	1
	The physical or deemed location at which tax is calculated based upon jurisdiction by a governmental or regulatory body.			
	TaxRate	decimal	O	1
	The percentage or monetary amount charged on a transaction.			
	<u>TaxBasisAmount</u>		O	1
	The monetary amount which is subject to tax.			
	<u>TaxAmount</u>		O	1
	The monetary amount of the tax.			
	TaxReference	string	O	1
	A free-form textual explanation or clarification.			
parent(s)	InvoiceLineItem InvoiceSubLineItem InvoiceSummary			

TaxAmount

The monetary amount of the tax.

note				
level	InvoiceDetails InvoiceSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal	M	1
		string	O	1
parent(s)	Tax			

TaxBasisAmount

The monetary amount which is subject to tax.

note				
level	InvoiceDetails InvoiceSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal	M	1
		string	O	1
parent(s)	Tax			

TaxInformation

A collection of elements detailing tax information about a partner.

note				
level	InvoiceProperties InvoiceDetails			

	Name	Type	Use	Max
children	TaxIdentifierNumber A unique number or code issued to an organization by a governmental or regulatory body identifying that entity for tax purposes.	string	0	1
	Jurisdiction The authority exercised by a nation, a judicial body, or a legislative body over persons, places, and property. Jurisdiction may apply to the territory over which a nation has control, including the land area, the adjacent sea, and the airspace above. It may also refer to the authority of an international body to make decisions binding on national entities.	string	0	1
	TaxCertificateType The category of tax certificate for which an identifying number is issued.	string	0	1
	TaxCertificateNumber The identifying number for a tax certificate such as tax exemption, sales and use tax certificate or other such document.	string	0	1
parent(s)	PartnerInformation			

TaxLocation

The physical or deemed location at which tax is calculated based upon jurisdiction by a governmental or regulatory body.

note				
level	InvoiceDetails InvoiceSummary			
children	Name	Type	Use	Max
	LocationIdentifier	string	O	1
	A unique identifier for a physical location.			
	LocationName	string	O	1
	The name of the location being referenced.			
children	LocationDescription	string	O	1
	Free-form textual description of the location.			
	AddressInformation		O	1
A collection of elements defining the details of an address.				
parent(s)	Tax			

Telephone

A collection of elements detailing information about a telephone number.

note				
level	InvoiceProperties InvoiceDetails			
children	Name	Type	Use	Max
	PhoneNumber	string	M	1
	A numerical sequence to reach a telephone attached to a communication network.			
	PhoneNumberExtension	string	O	1
	An extension number that is needed to further identify the phone number.			
children	TelecomCountryCode	string	O	1
	The dialing code from another country to access the telephone network in another country.			
	TelecomAreaCode	string	O	1
The area code within a country or jurisdiction, if needed, to access local telephones within the country.				
parent(s)	ContactInformation			
attributes	Name	Type	Use	Fixed
	telephoneIndicator	string	O	
	A code to indicate the type of phone number being given.			
	Fax	Mobile		
	Pager	Voice		
Other				

TermsDiscountAmount

The total monetary amount of the payment terms discount.

note				
level	InvoiceSummary			
children	Name	Type	Use	Max
	MonetaryAmount	decimal	M	1
	The currency value of a transaction or item.			

	CurrencyCode string O 1 A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.
parent(s)	InvoiceSummary

TimeWorked

The time period worked by a specific employee completing a service.

note																					
level	InvoiceDetails																				
children	<table border="0" style="width: 100%;"> <thead> <tr> <th style="width: 70%;"></th> <th style="text-align: center;">Type</th> <th style="text-align: center;">Use</th> <th style="text-align: center;">Max</th> </tr> </thead> <tbody> <tr> <td>Quantity</td> <td style="text-align: center;">decimal</td> <td style="text-align: center;">M</td> <td style="text-align: center;">1</td> </tr> <tr> <td colspan="4">A numeric count of measure.</td> </tr> <tr> <td>UnitOfMeasureCode</td> <td style="text-align: center;">string</td> <td style="text-align: center;">M</td> <td style="text-align: center;">1</td> </tr> <tr> <td colspan="4">A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.</td> </tr> </tbody> </table>		Type	Use	Max	Quantity	decimal	M	1	A numeric count of measure.				UnitOfMeasureCode	string	M	1	A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.			
	Type	Use	Max																		
Quantity	decimal	M	1																		
A numeric count of measure.																					
UnitOfMeasureCode	string	M	1																		
A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.																					
parent(s)	PersonnelInformation																				

TransportInformation

A collection of elements detailing how product is transported.

note	If TransportInformation is used, then at least one of TransportMethodCode, Routing, or ServiceLevelCode is required.
level	InvoiceDetails InvoiceSummary

children	Name	Type	Use	Max
	ShipmentMethodOfPayment A code indicating payment terms for transportation charges.	string	M	1
	Collect Collect-			
	FreightCreditedBackToCustomer			
	CustomerPickupBackhaul Pickup			
	PrepaidBySeller Prepaid-			
	ChargedToCustomer ServiceFreight-			
	NoCharge ThirdPartyPay			
	Other			
	RoutingSequenceCode A code indicating the relationship of a carrier to a specific shipment movement.	string	O	1
	OriginCarrier-AirMotorOcean			
	OriginDeliveryCarrier-AnyMode			
	Other			
	TransportMethodCode A code indicating the mode of transportation used to move product.	string	O	1
	Air AirExpress			
	Barge BestWay-			
	ShippersOption Boat			
	CustomerPickup ExpeditedTruck			
	Motor-CommonCarrier Ocean			
	ParcelPost Rail			
	SupplierTruck Truck			
	Vessel Other			
	PartnerInformation A collection of elements detailing partner information.		O	U
	Location A collection of elements giving details about a location.		O	U
	ShipmentTermsCode A code indicating the terms under which a product is shipped, such as Freight Prepaid, FOB or similar.	string	O	1
	Routing A free-form description of the shipping route to be provided for transportation of product.	string	O	1
	ServiceLevelCode A code indicating the level of service required.	string	O	1
	HazardousMaterials A collection of elements conveying hazardous goods information related to a product.		O	1
	CarrierEquipmentCode	string	O	1

	A code indicating the kind of equipment parent(s) the carrier. TransportName The identifier of specific vessel, truck, railcar, etc.	string	O	1
parent(s)	InvoiceLineItem InvoiceProperties InvoiceSubLineItem			

UnitPrice

A collection of elements detailing how product is transported.

note				
level	InvoiceDetails			
children	Name MonetaryAmount The currency value of a transaction or item. UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	Type decimal string string	Use M M O	Max 1 1 1
parent(s)	Pricing			

WellIdentifier

A unique identifier referencing a well, such as an UWI number.

note				
level	InvoiceDetails InvoiceSummary			
parent(s)	WellInformation			
attributes	Name wellIdentifierIndicator A code to indicate the origin of the Well Identifier. Number UWIDNumber	Type string	Use O	Fixed

WellInformation

A collection of elements detailing information about a well.

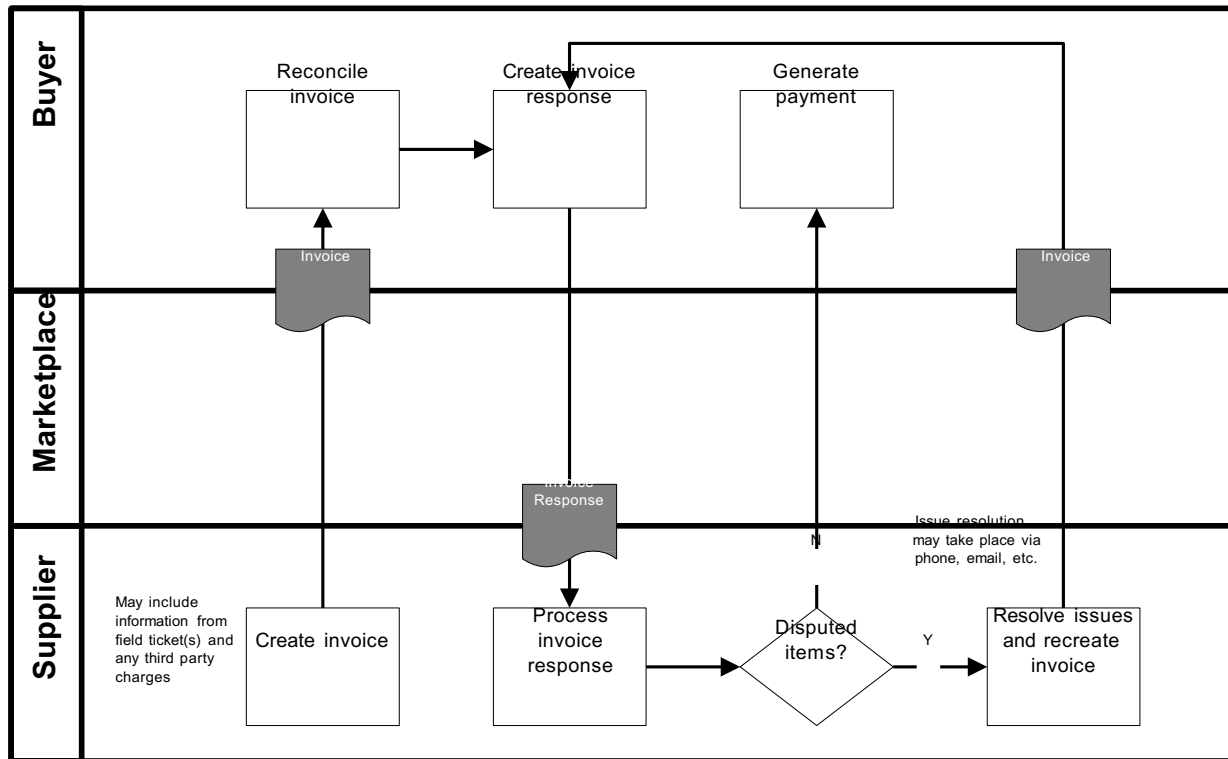
note	
level	InvoiceDetails InvoiceSummary

children	Name	Type	Use	Max	
	<u>WellIdentifier</u>	string	M	U	
	A unique identifier referencing a well, such as an UWI number.				
	WellName	string	O	1	
	The customer name of a well.				
	WellType	string	O	1	
	A code indicating the function of the well.				
	Brine	DirectionalGas			
	DirectionalNonWell	DirectionalOil			
	DisposalWell	Environmental			
	Gas	HorizontalGas			
	HorizontalOil	IndustrialDisposal			
	IndustrialNonWell	Injection			
	NonWell	Oil			
	Relief	Storage			
	Sulfur	Thermal			
	Uranium	Water			
	Other				
	WellCategory	string	O	1	
	A code indicating the category of a well.				
Abandoned	DevBelow3000				
Development	ExistingWell				
NonWell	ReacidizeWell				
Recompletion	RefractedWell				
Wildcat	Workover				
Other					
parent(s)	<u>JobLocationInformation</u>				

15.0 Invoice Response

15.1 Business Process Diagram

Below is the Business Process Diagram for the Invoice Response transaction. This is not the only method in which the process can take place, however, it represents a primary process. Third parties, including a Marketplace, may be involved if necessary.



Process Model - A Seller creates an invoice using information from one or many field tickets and third party charges, if applicable. The invoice is sent to the Buyer. The Buyer reconciles the invoice and creates an invoice response and sends to the Seller. The Seller processes the response. Any disputes are handled by phone, email, etc. If necessary, once disputes are resolved, a corrected invoice is generated and sent to the Buyer. Once all information is correct, the Buyer generates payment for the invoice.

The Invoice Response document is used to accept or dispute the information provided by the Invoice.

15.2 Legend to Tables

The following tables detail the elements and attributes that make up the Invoice Response. The legend below provides guidance to understanding the element tables. The legend is an example only and is not part of the document standard data.

Telephone ¹

A collection of elements detailing information about a telephone number. ²

³ note						
level	OrderCreateProperties OrderCreateDetails	⁴				
children	<p>Name ⁵</p> <p>PhoneNumber ⁶</p> <p>A numerical sequence to reach a telephone attached to a communication network.</p> <p>PhoneNumberExtension ⁷</p> <p>An extension number that is needed to further identify the phone number.</p> <p>TelecomCountryCode</p> <p>The dialing code from another country to access the telephone network in another country.</p> <p>TelecomAreaCode</p> <p>The area code within a country or jurisdiction, if needed, to access local telephones within the country.</p>		Type	Use	Max	
			string	M	1	
			string	O	1	
			string	O	1	
			string	O	1	
parent(s)	ContactInformation					
attributes	<p>Name ¹⁰</p> <p>telephoneIndicator ¹¹ ¹⁴ ¹²</p> <p>A code to indicate the type of phone number being given.</p> <p>Fax <input type="checkbox"/> Mobile</p> <p>Pager <input type="checkbox"/> Voice</p> <p>Other <input type="checkbox"/></p>		Type	Use	Fixed	
			string	O		

Legend

1	The name of the element.
2	The definition of the element.
3	Contains any business rules or comments about the element
4	Identifies whether or not the element is under the Property, Detail, or Summary level of the document
5	Contains the name of the child elements and their definitions. Those elements in blue are links to the element specification. Only those elements that contain children or attributes are hyperlinked.
6	Indicates the data type of the element.
7	Indicates whether the element is mandatory (M) or optional (O).
8	Indicates whether the element can have a maximum of one occurrence (1) or unbounded multiple occurrences (U)
9	Indicates the parent element of the element.

10	Contains the name of any attributes and their definitions.
11	Indicates the data type of the attribute. If the type is blank, then the element contains children rather than data.
12	Indicates whether the attribute is mandatory (M) or optional (O).
13	Provides a fixed value for the attribute.
14	The shaded areas provide either code list values, rules, or notes about the child element or attribute.

The document, its properties, details, line item, sub-line item, and summary elements are presented first. They are followed by an alphabetical listing of those elements used in the document and have children or attributes.

15.3 Document Detail

InvoiceResponse

The root element of the Invoice Response message. It is used to acknowledge a previously sent Invoice.

note		Type	Use	Max
children	Name			
	InvoiceResponseProperties		M	1
	A collection of elements defining the response "meta-data" or "common data".			
	InvoiceResponseDetails		M	1
	A collection of elements defining the details of the Invoice Response message.			
	InvoiceResponseSummary		M	1
	A collection of elements detailing the totals of the response.			
attributes	Name	Type	Use	Fixed
	transactionPurposeIndicator	string	M	
	A code indicating the purpose of the transaction.			
	Add			
	Cancellation	Change		
	Confirmation	Delete		
	Duplicate	Original		
	Replace	Request		
	Other			
	version	decimal	M	1.0
	A fixed number indicating the version of the PIDX XML Standard on which the transaction is based.			

InvoiceResponseProperties

A collection of elements defining the response "meta-data" or "common data".

note	
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children	Name	Type	Use	Max
	InvoiceResponseNumber A unique identifier for an Invoice Response message.	string	M	1
	InvoiceResponseDate The date upon which a response was created or deemed to have been issued. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	M	1
	PartnerInformation A collection of elements detailing partner information.		M	U
	InvoiceInformation A collection of elements containing relevant invoice information which needs to be referenced within other documentation and/or messages.		M	1
	InvoiceTypeCode A code defining the type of invoice being transmitted.	string	O	1
	CreditMemo DebitMemo ProductOrService Other			
	RevisionNumber A number indicating the version of the document. It is used if a message is resent in its entirety to replace an earlier version.	string	O	1
	PurchaseOrderInformation A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.		O	1
	FieldTicketInformation A collection of elements containing relevant field ticket information which needs to be referenced within other documentation and/or messages.		O	1
	PrimaryCurrency The currency code indicating the currency to be used for the transaction.		O	1
	SecondCurrency The currency code indicating a second currency, such as for European countries using the Euro and a local currency.		O	1
	LanguageCode A code indicating the language used for the transaction. Use the codelist from ISO 639-2:1998 Codes for the representation of names of languages – Part 2: Alpha-3 Code.	string	O	1
	RateOfExchangeDetail A collection of elements containing the detail of the exchange rate between two currencies.		O	1
	JobLocationInformation A collection of elements giving details of a job location.		O	1
	ServiceDateTime The actual and/or schedule dates for a service.	datetime	O	U
	CountryOfOrigin The country where product originates or is deemed to have originated.		O	1
	CountryOfFinalDestination The country where product is ultimately delivered or is deemed to have been delivered.		O	1

	TransportInformation		O	1
	A collection of elements detailing how product is transported.			
	Intrastat		O	1
	A collection of elements used for international (European) purposes.			
	PaymentTerms		O	1
	A collection of elements detailing payment terms information.			
	SpecialInstructions	string	O	U
	A free-form textual description of special requirements.			
	ReferenceInformation		O	U
	A collection of elements detailing references to information that reside outside of the current transaction message.			
	Attachment		O	U
	A collection of elements defining the details of an attachment to the document.			
	Comment	string	O	1
	A free-form textual structure for general information or comments.			
parent(s)	InvoiceResponse			

InvoiceResponseDetails

A collection of elements defining the details of the Invoice Response message.

note				
children	Name	Type	Use	Max
	InvoiceResponseLineItem		M	U
	A collection of elements defining the details of the line items making up the response.			
parent(s)	InvoiceResponse			

InvoiceResponseLineItem

A collection of elements defining the details of the line items making up the response.

note	
------	--

children	Name	Type	Use	Max
	LineItemNumber A sequential individual line identifier within a document containing service or item information.	string	M	1
	LineStatusCode A code which indicates the whether a line item has been approved, rejected, or is pending. Accept Pending Reject Other	string	M	1
	LineResponseReasonCode A code indicating the response to the line item, such as accepted, rejected, etc.	string	M	1
	ChangeDescription A free-form textual description of changes made.	string	O	1
	LineItemInformation A collection of elements detailing identifying information about a line item.		M	1
	InvoiceQuantity The number of units of an item or service invoiced.		M	1
	PurchaseOrderLineItemNumber A sequential individual line identifier within a purchase order document containing product or item information.	string	O	1
	FieldTicketLineItemNumber A sequential individual line identifier within a Field Ticket document containing product or item information.	string	O	1
	FieldTicketInformation A collection of elements containing relevant field ticket information which needs to be referenced within other documentation and/or messages.		O	1
	PurchaseOrderInformation A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.		O	1
	CommodityCode A code indicating the categorization of a product or service in accordance with a particular standard.		O	U
	PartnerInformation A collection of elements detailing partner information.		O	U
	JobLocationInformation A collection of elements giving details of a job location.		O	1
	PersonnelInformation A collection of elements detailing relevant personnel information.		O	U
	Pricing A collection of elements detailing price information.		O	1
	AllowanceOrCharge A collection of elements defining the details of an allowance or charge to the customer.		O	U
	Tax A collection of elements detailing information about tax applied to a transaction.		O	U
	ShippingAmount		O	1

	The monetary amount of shipping or freight charges. LinItemTotal		O	1
	A code indicating the response to the line item, such as accepted, rejected, etc. ServiceDateTime	datetime	O	U
	The actual and/or schedule dates for a service. CountryOfOrigin		O	1
	The country where product originates or is deemed to have originated. CountryOfFinalDestination		O	1
	The country where product is ultimately delivered or is deemed to have been delivered. TransportInformation		O	1
	A collection of elements detailing how product is transported. Intrastat		O	1
	A collection of elements used for international (European) purposes. PaymentTerms		O	1
	A collection of elements detailing payment terms information. SpecialInstructions	string	O	U
	A free-form textual description of special requirements. PackagingCharacteristicCode	string	O	U
	A code indicating the marking, packaging, loading and related characteristics being described. PackageSpecifications			
	ProductMarking	SkidPalletType		
	TypeOfPackage	Other		
	PackagingCharacteristicDescription	string	O	U
	Free-form text providing any additional information associated with the Packaging Characteristic Code. ReferenceInformation		O	U
	A collection of elements detailing references to information that reside outside of the current transaction message. Attachment		O	U
	A collection of elements defining the details of an attachment to the document. Comment	string	O	1
	A free-form textual structure for general information or comments. InvoiceResponseSubLinItem		O	U
	A collection of elements defining the details of the sub line items of a response. It is used if a line item needs to be broken down into further detail.			
parent(s)	InvoiceResponseDetails			

InvoiceResponseSubLineItem

A collection of elements defining the details of the sub line items of a response. It is used if a line item needs to be broken down into further detail.

note	
------	--

children	Name	Type	Use	Max
	LineItemNumber The sub-line item number relating to the primary line item referenced in the message.	string	M	1
	LineStatusCode A code which indicates the whether a line item has been approved, rejected, or is pending. Accept Pending Reject Other	string	M	1
	LineResponseReasonCode A code indicating the response to the line item, such as accepted, rejected, etc.	string	M	1
	ChangeDescription A free-form textual description of changes made.	string	O	1
	LineItemInformation A collection of elements detailing identifying information about a line item.		M	1
	InvoiceQuantity The number of units of an item or service invoiced.		M	1
	PurchaseOrderSubLineItemNumber A sequential individual sub-line identifier within an Order Create document containing product or item information that relates back to a parent line item.	string	O	1
	FieldTicketLineSubItemNumber A sequential individual sub-line identifier within a Field Ticket document containing product or item information that relates back to a parent line item.	string	O	1
	FieldTicketInformation A collection of elements containing relevant field ticket information which needs to be referenced within other documentation and/or messages.		O	1
	PurchaseOrderInformation A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.		O	1
	CommodityCode A code indicating the categorization of a product or service in accordance with a particular standard.	string	O	U
	PartnerInformation A collection of elements detailing partner information.		O	U
	JobLocationInformation A collection of elements giving details of a job location.		O	1
	PersonnelInformation A collection of elements detailing relevant personnel information.		O	U
	Pricing A collection of elements detailing price information.		O	1
	AllowanceOrCharge A collection of elements defining the details of an allowance or charge to the customer.		O	U
	Tax A collection of elements detailing information about tax applied to a transaction.		O	U

	ShippingAmount		O	1
	The monetary amount of shipping or freight charges.			
	LineItemTotal		O	1
	A code indicating the response to the line item, such as accepted, rejected, etc.			
	ServiceDateTime	datetime	O	U
	The actual and/or schedule dates for a service.			
	CountryOfOrigin		O	1
	The country where product originates or is deemed to have originated.			
	CountryOfFinalDestination		O	1
	The country where product is ultimately delivered or is deemed to have been delivered.			
	TransportInformation		O	1
	A collection of elements detailing how product is transported.			
	Intrastat		O	1
	A collection of elements used for international (European) purposes.			
	PaymentTerms		O	1
	A collection of elements detailing payment terms information.			
	SpecialInstructions	string	O	U
	A free-form textual description of special requirements.			
	PackagingCharacteristicCode	string	O	U
	A code indicating the marking, packaging, loading and related characteristics being described.			
	PackageSpecifications			
	ProductMarking	SkidPalletType		
	TypeOfPackage	Other		
	PackagingCharacteristicDescription	string	O	U
	Free-form text providing any additional information associated with the Packaging Characteristic Code.			
	ReferenceInformation		O	U
	A collection of elements detailing references to information that reside outside of the current transaction message.			
	Attachment		O	U
	A collection of elements defining the details of an attachment to the document.			
	Comment	string	O	1
	A free-form textual structure for general information or comments.			
parent(s)	InvoiceResponseLineItem			

InvoiceResponseSummary

A collection of elements detailing the totals of the response.

note	
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children	Name	Type	Use	Max
	TotalLineItems The total number of line items contained in a message.	integer	M	1
	<u>InvoiceTotal</u> The total amount payable including tax and related charges.		M	1
	<u>AllowanceOrCharge</u> A collection of elements defining the details of an allowance or charge to the customer.		O	U

	ShippingAmount	O	1
	A free-form textual description of special requirements.		
	Tax	O	U
	A collection of elements detailing information about tax applied to a transaction.		
	SubTotalAmount	O	U
	The monetary amount of the subtotal. It is qualified by the subTotalIndicator attribute which identifies what the subtotal is referencing.		
	TermsDiscountAmount	O	1
	The total monetary amount of the payment terms discount.		
	DiscountedAmountDue	O	1
	The monetary amount due if paid by terms discount due date (total invoice or installment amount less cash discount.)		
parent(s)	InvoiceResponse		

AddressInformation

A collection of elements defining the details of an address.

note				
level	InvoiceResponseProperties InvoiceResponseDetails			
children	Name	Type	Use	Max
	POBoxNumber	string	O	1
	The identity of a physical box within a postal facility to accept and receive mail.			
	BuildingHouseNumber	string	O	1
	The alphanumeric identifier of a building as a part of an address.			
	StreetName	string	O	1
	The name of a street as part of an address.			
	AddressLine	string	O	U
	An occurrence of a generally accepted formatted line of data such that when combined with the entire address structure there is sufficient information for delivery or location purposes.			
	CityName	string	O	1
	The name of the city or municipality.			
	StateProvince	string	O	1
	The name of the municipality or town as a location for mailing, siting and other geographic functions.			
	PostalCode	string	O	1
	The code assigned by local postal authorities to delivery addresses.			
	PostalCountry		O	1
	The country code indicating the country to which mail should be delivered.			
	CountyName	string	O	1
	The name of the county.			
	LocationIdentifier			
	A unique identifier for a physical location.			

parent(s)	JobLocationInformation Location PartnerInformation TaxLocation
-----------	---

AllowanceOrCharge

A collection of elements defining the details of an allowance or charge to the customer.

note	If AllowanceOrCharge is used, then at least one of AllowanceOrChargeRate, AllowanceOrChargeTotalAmount, or AllowanceOrChargePercent is required.
level	InvoiceResponseDetails InvoiceResponseSummary

children	Name	Type	Use	Max
	AllowanceOrChargeTotalAmount The total monetary amount for the allowance or charge.		0	1
	AllowanceOrChargeRate The rate per unit of the allowance or charge.		0	1
	AllowanceOrChargePercent The allowance or charge expressed as a percentage.	decimal	0	1
	AllowanceOrChargeNumber The identifier assigned by a vendor referencing an allowance, promotion, deal or charge.	string	0	1
	AllowanceOrChargeTypeCode A code identifying the kind of allowance or charge being described.	string	0	1
	Freight			
	FuelSurcharge			
	SpecialHandlingService			
	Discount			
	FlatRate			
	EngineeringCharge			
	InvoiceAdjustment			
	InsuranceSurcharge			
	OneTimeLicenseFee			
	Royalties			
	MiscellaneousCharge			
	PostageCharge			
	TrailerRentalCharge			
	TransportationDirectBilling			
	TransportationVendorProvided			
	Other			
	MethodOfHandlingCode A code which describes how a particular allowance or charge should be handled.	string	0	1
	OffInvoice			
	ChargeToBePaidByCustomer			
	Other			
	AllowanceOrChargeDescription A free form description used to clarify the related allowance and charge data elements and their content.	string	0	1
	AllowanceOrChargeQuantity The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.		0	1
parent(s)	InvoiceResponseLineItem InvoiceResponseSubLineItem InvoiceResponseSummary			

attributes	Name	Type	Use	Fixed
	allowanceOrChargeIndicator A code to indicate whether the information relates to an allowance or charge.	string	M	
	Allowance			
	Charge			
	Other			

AllowanceOrChargePercent

The allowance or charge expressed as a percentage.

note				
level	InvoiceResponseDetails InvoiceResponseSummary			
parent(s)	AllowanceOrCharge			
attributes	Name	Type	Use	Fixed
	percentIndicator	string	O	
	A code indicating on what basis the allowance or charge percent is calculated.			

AllowanceOrChargeQuantity

The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.

note				
level	InvoiceResponseDetails InvoiceResponseSummary			
children	Name	Type	Use	Max
	Quantity	decimal	M	1
	A numeric count of measure.			
	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed.			
	Use values from the DE 355 code list contained in ASC X12 release 3030.			
parent(s)	AllowanceOrCharge			

AllowanceOrChargeRate

The rate per unit of the allowance or charge.

note				
level	InvoiceResponseDetails InvoiceResponseSummary			
children	Name	Type	Use	Max
	MonetaryAmount	decimal	M	1
	The currency value of a transaction or item.			
	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed.			
	Use values from the DE 355 code list contained in ASC X12 release 3030.			
	CurrencyCode	string	O	1
	A code indicating the currency in which the monetary amount is specified.			
	Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.			
parent(s)	AllowanceOrCharge			

AllowanceOrChargeTotalAmount

The total monetary amount for the allowance or charge.

note				
level	InvoiceResponseDetails InvoiceResponseSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	CurrencyCode	string	O	1

	A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.
parent(s)	AllowanceOrCharge

AlternativeCommunicationMethod

Additional methods of communication, such as an IP Address or Printer ID, in addition to those specifically listed elsewhere in contact or address information.

note																																									
level	InvoiceResponseProperties InvoiceResponseDetails																																								
parent(s)	ContactInformation																																								
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Fixed</th> </tr> </thead> <tbody> <tr> <td>alternativeCommunicationMethodIndicator</td> <td>string</td> <td>M</td> <td></td> </tr> <tr> <td colspan="4">A code to indicate the type of alternative communication method.</td> </tr> <tr> <td>AUTOVON</td> <td></td> <td></td> <td></td> </tr> <tr> <td>EDIAccessNumber</td> <td></td> <td></td> <td></td> </tr> <tr> <td>FederalTelecommunicationsSystem</td> <td>IPAddress</td> <td></td> <td></td> </tr> <tr> <td>PacketSwitching</td> <td>PrinterID</td> <td></td> <td></td> </tr> <tr> <td>StationCode</td> <td>Telemail</td> <td></td> <td></td> </tr> <tr> <td>Telex</td> <td>TWX</td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Fixed	alternativeCommunicationMethodIndicator	string	M		A code to indicate the type of alternative communication method.				AUTOVON				EDIAccessNumber				FederalTelecommunicationsSystem	IPAddress			PacketSwitching	PrinterID			StationCode	Telemail			Telex	TWX			Other			
Name	Type	Use	Fixed																																						
alternativeCommunicationMethodIndicator	string	M																																							
A code to indicate the type of alternative communication method.																																									
AUTOVON																																									
EDIAccessNumber																																									
FederalTelecommunicationsSystem	IPAddress																																								
PacketSwitching	PrinterID																																								
StationCode	Telemail																																								
Telex	TWX																																								
Other																																									

Attachment

A collection of elements defining the details of an attachment to the document.

note	
level	InvoiceResponseProperties InvoiceResponseDetails

	Name	Type	Use	Max
children	AttachmentPurposeCode	string	0	1
	A code to indicate the purpose of the attachment.			
	Template			
	Other			
	FileName	string	0	1
	The name of the file in an attachment.			
	AttachmentTitle	string	0	1
	The title of the attachment.			
parent(s)	AttachmentDescription	string	0	1
	A free-form textual description of the attachment.			
	FileType	string	0	1
	The type of the file in an attachment.			
	AttachmentLocation	string	0	1
The location of the attachment, such as a URL.				
	InvoiceResponseLineItem			
	InvoiceResponseProperties			

[InvoiceResponseSubLineItem](#)

Block

A collection of elements defining the details of a block, which identifies a location.

note					
level	InvoiceResponseProperties InvoiceResponseDetails				
children	Name	Type	Use	Max	
	BlockName	string	0	1	
	The name of the block, which identifies a location.				
	OCSGNumber	string	0	1	
	The Outer Continental Shelf Gulf number.				
	StateLease	string	0	1	
	Lease on state land.				
parent(s)	GeographicalInformation				

CommodityCode

A code indicating the categorization of a product or service in accordance with a particular standard.

note					
level	InvoiceResponseDetails				
parent(s)	InvoiceResponseLineItem InvoiceResponseSubLineItem				
attributes	Name	Type	Use	Fixed	
	agencyIndicator	string	0		
	A code indicating what agency or organization is responsible for defining the commodity code list.				

ContactIdentifier

The identifier of the contact person or department.

note					
level	InvoiceResponseProperties InvoiceResponseDetails				
parent(s)	ContactInformation				
attributes	Name	Type	Use	Fixed	
	contactIdentifierIndicator	string	0		
	A code to identify the origin of the contact identifier.				
	AssignedByBuyer				
	AssignedBySeller	EmployeeID			
	Other				

ContactInformation

A collection of elements defining details of communication for a contact person.

note	It is recommended that ContactInformation be used at either the Property or Detail level, but not both.				
level	InvoiceResponseProperties InvoiceResponseDetails				
children	Name	Type	Use	Max	
	ContactIdentifier	string	O	1	
	The identifier of the contact person or department.				
	ContactName	string	O	1	
	The name of the contact person within the organization.				
	ContactDescription	string	O	1	
	A free-form textual description of the contact.				
	Telephone			O	U
	A collection of elements detailing information about a telephone number.				
	EmailAddress	string	O	1	
The address assigned to a person or organization to receive electronic messages.					
AlternativeCommunicationMethod	string		O	U	
Additional methods of communication, such as an IP Address or Printer ID, in addition to those specifically listed elsewhere in contact or address information.					
parent(s)	PartnerInformation				
attributes	Name	Type	Use	Fixed	
	contactInformationIndicator	string	M		
	A code indicating the function of the contact.				
	BuyerDepartment	DeliveryContact			
	DesignEngineer	Engineer			
	EnteredBy				
	FieldRepresentative				
	OfficeRepresentative				
	OrderContact	PurchasingAgent			
	QuotePreparer	QuoteRequestor			
	RFQContact				
	SalesRepresentative				
	ServiceCoordinator				
	TechnicalMarketingRepresentative				
	Other				

CountryOfFinalDestination

The country where product is ultimately delivered or is deemed to have been delivered.

note				
level	InvoiceResponseProperties InvoiceResponseDetails			
children	Name CountryCode A code indicating a country.	Type string	Use M	Max 1

	<p>use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions - Part 1: Country Codes.</p>
parent(s)	<p>!punjpPBP5QnmPI.jp>ttPm InvoiceResponseProperties InvoiceResponseSublineItem</p>

CountryOfOrigin

The country where product originates or is deemed to have originated.

note				
level	InvoiceResponseProperties InvoiceResponseDetails			
children	Name CountryCode A code indicating a country. Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.	Type string	Use M	Max 1
parent(s)	InvoiceResponseLineItem InvoiceResponseProperties InvoiceResponseSubLineItem			

Deferred

The terms for a deferred payment in relation to a transaction.

note				
level	InvoiceResponseProperties InvoiceResponseDetails			
children	Name DeferredAmount The monetary amount that is deferred for payment based upon terms in an invoice, contract or agreement. DeferredDueDate The date upon which a deferred payment is due. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day. PercentDeferredPayable The amount due that is deferred for payment expressed as a percentage. Description A free-form textual explanation or clarification.	Type date decimal string	Use O O O	Max 1 1 1
parent(s)	PaymentTerms			

DeferredAmount

The monetary amount that is deferred for payment based upon terms in an invoice, contract or agreement.

note	
level	InvoiceResponseProperties InvoiceResponseDetails

children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
parent(s)	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
	Deferred			

DiscountAmount

The monetary amount of a discount based upon payment terms.

note				
level	InvoiceResponseProperties InvoiceResponseDetails			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal string	M O	1 1
parent(s)	Discounts			

DiscountedAmountDue

The monetary amount due if paid by terms discount due date (total invoice or installment amount less cash discount.)

note				
level	InvoiceResponseSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal string	M O	1 1
parent(s)	InvoiceResponseSummary			

Discounts

The monetary amount allowed or applied as a credit against a transaction or balance.

note				
level	InvoiceResponseProperties InvoiceResponseDetails			



	Name	Type	Use	Max
children	DaysDue	integer	0	1
	The number of days from the payment terms basis date before a discount expires.			
	DiscountsDueDate	date	0	1
	The date upon which a discount expires. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.			
	PercentDiscount	decimal	0	1
	A discount to be applied to the transaction expressed as a percentage.			
	<u>DiscountAmount</u>		0	1
	The monetary amount of a discount based upon payment terms.			
	Description	string	0	1
	A free-form textual explanation or clarification.			
parent(s)	<u>PaymentTerms</u>			

EffectiveDates

The period of time (or range) where the information is valid or guaranteed.

note				
level	InvoiceResponseProperties InvoiceResponseDetails			
children	Name	Type	Use	Max
	FromDate The date upon which a time period begins. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	M	1
	ToDate The date upon which a time period ends. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	M	1
	parent(s)	TaxInformation		

FieldTicketInformation

A collection of elements containing relevant field ticket information which needs to be referenced within other documentation and/or messages.

note				
level	InvoiceResponseProperties InvoiceResponseDetails			
children	Name	Type	Use	Max
	FieldTicketNumber A unique identifier for a Field Ticket.	string	M	1
	FieldTicketDate The date upon which a field ticket was created or deemed to have been issued. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	O	1
	RevisionNumber A number indicating the version of the document. It is used if a message is resent in its entirety to replace an earlier version.	string	O	1
parent(s)	InvoiceResponseLineItem InvoiceResponseProperties InvoiceResponseSubLineItem			

GeographicalInformation

A collection of elements defining a geographical location.

note	If any one of Section, Township, or Range is given then the other two are required.			
level	InvoiceResponseProperties InvoiceResponseDetails			
children	Name	Type	Use	Max
	FieldName	string	O	1
	The name of the oil field.			
	Section	string	O	1
	A part of Section/Township/Range location identifier scheme.			
	Township	string	O	1
	A part of Section/Township/Range location identifier scheme.			
	Range	string	O	1
A part of Section/Township/Range location identifier scheme.				
Region	string	O	1	
The name of a geographic region.				
Block		O	1	
A collection of elements defining the details of a block, which identifies a location.				
GPSCoordinates		O	1	
A collection of elements containing latitude and longitude data for a specific location.				
parent(s)	JobLocationInformation Location			

GPSCoordinates

A collection of elements containing latitude and longitude data for a specific location.

note				
level	InvoiceResponseProperties InvoiceResponseDetails			
children	Name	Type	Use	Max
	Latitude	string	M	1
	The specified latitude of a location.			
Longitude	string	M	1	
The specified longitude of a location.				
parent(s)	GeographicalInformation			

HazardousMaterialClassCode

A code indicating the kind of hazard for a material.

note	
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level	InvoiceResponseProperties InvoiceResponseDetails			
parent(s)	HazardousMaterials			
attributes	Name	Type	Use	Fixed
	hazardousMaterialIndicator	string	M	
	A code which qualifies the Hazardous Material Class Code.			

HazardousMaterials

A collection of elements conveying hazardous goods information related to a product.

note	If HazardousMaterials is used, then at least one of SpecialHandlingCode or HazardousMaterialDescription is required.			
level	InvoiceResponseProperties InvoiceResponseDetails			
children	Name	Type	Use	Max
	SpecialHandlingCode	string	0	1
	A code identifying any special transportation handling instructions			
	HazardousMaterialDescription	string	0	1
A free-form textual explanation of information related to a hazardous shipment.				
HazardousMaterialClassCode	string	0	U	
A code indicating the kind of hazard for a material.				
parent(s)	TransportInformation			

Intrastat

A collection of elements used for international (European) purposes.

note	This structure was created to satisfy international requirements as outlined by BASDA .			
level	InvoiceResponseProperties InvoiceResponseDetails			

children	Name	Type	Use	Max
	<u>CommodityCode</u>	string	0	1
	A code indicating the categorization of a product or service in accordance with a particular standard.			
	Should only be used at the InvoiceDetails level.			
	CommodityDescription	string	0	1
	A textual description of the commodity code.			
	TransactionNature	string	0	1
	Identifies the nature of the transaction			
	Should only be used at the InvoiceProperties level.			
	SupplementaryUnits	int	0	1
	????????????????????			
	Should only be used at the InvoiceDetails level.			
	<u>CountryOfFinalDestination</u>		0	1
	The country where product is ultimately delivered or is deemed to have been delivered.			
	TransportMethodCode	string	0	1
	A code indicating the mode of transportation used to move product.			
	Air	AirExpress		
	Barge	BestWay-		
	ShippersOption	Boat		
	CustomerPickup	ExpeditedTruck		
	Motor-CommonCarrier	Ocean		
	ParcelPost	Rail		
	SupplierTruck	Truck		
	Vessel			

	Other
parent(s)	InvoiceResponseLineItem InvoiceResponseProperties InvoiceResponseSubLineItem

InvoiceInformation

A collection of elements containing relevant invoice information which needs to be referenced within other documentation and/or messages.

note																					
level	InvoiceResponseProperties																				
children	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>InvoiceNumber A unique identifier for an Invoice message.</td> <td>string</td> <td>M</td> <td>1</td> </tr> <tr> <td>InvoiceDate The date upon which an invoice was created or deemed to have been issued. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.</td> <td>date</td> <td>O</td> <td>1</td> </tr> <tr> <td>InvoiceTypeCode A code defining the type of invoice being transmitted. CreditMemo DebitMemo ProductOrService Other</td> <td>string</td> <td>O</td> <td>1</td> </tr> <tr> <td>RevisionNumber A number indicating the version of the document. It is used if a message is resent in its entirety to replace an earlier version.</td> <td>string</td> <td>O</td> <td>1</td> </tr> </tbody> </table>	Name	Type	Use	Max	InvoiceNumber A unique identifier for an Invoice message.	string	M	1	InvoiceDate The date upon which an invoice was created or deemed to have been issued. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	O	1	InvoiceTypeCode A code defining the type of invoice being transmitted. CreditMemo DebitMemo ProductOrService Other	string	O	1	RevisionNumber A number indicating the version of the document. It is used if a message is resent in its entirety to replace an earlier version.	string	O	1
Name	Type	Use	Max																		
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RevisionNumber A number indicating the version of the document. It is used if a message is resent in its entirety to replace an earlier version.	string	O	1																		
parent(s)	InvoiceResponseProperties																				

InvoiceQuantity

The number of units of an item or service invoiced.

note													
level	InvoiceResponseDetails												
children	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>Quantity A numeric count of measure.</td> <td>decimal</td> <td>M</td> <td>1</td> </tr> <tr> <td>UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.</td> <td>string</td> <td>M</td> <td>1</td> </tr> </tbody> </table>	Name	Type	Use	Max	Quantity A numeric count of measure.	decimal	M	1	UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.	string	M	1
Name	Type	Use	Max										
Quantity A numeric count of measure.	decimal	M	1										
UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.	string	M	1										
parent(s)	InvoiceResponseLineItem InvoiceResponseSubLineItem												

InvoiceTotal

The total amount payable including tax and related charges.

note				
level	InvoiceResponseSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
parent(s)	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
	InvoiceResponseSummary			

JobLocationIdentifier

A unique identifier referencing the job location.

note				
level	InvoiceResponseProperties InvoiceResponseDetails			
parent(s)	JobLocationInformation			
attributes	Name	Type	Use	Fixed
	jobLocationIdentifierIndicator A code to define what type of location the identifier is referencing. ChemicalPlant Coal- Degas CogenerationPlant Construction Dock GasPlant IndustrialServiceMiscellaneous MilitaryGovernment PaperMill PetroleumPlant Pipeline Refinery Rig UtilityPlant Other	string	O	

JobLocationInformation

A collection of elements giving details of a job location.

note	
level	InvoiceResponseProperties InvoiceResponseDetails

children	Name	Type	Use	Max
	JobLocationIdentifier A unique identifier referencing the job location.	string	0	U
	JobLocationClassCode A code indicating the class of the job location.	string	0	1
	FederalWaters Land InlandWaters StateWaters Other			
	JobLocationDescription A free-form textual description of the job location.	string	0	1
	JobLocationStatus A code indicating whether a location is active or inactive.	string	0	1
	Inactive Active Other			
	WellInformation A collection of elements detailing information about a well.		0	1
	JobSiteCategory A code indicating the kind of site on which the job is located.	string	0	1
	Boiler CivilHighways Compression Condenser ConstructPiles Dams HeatExchanger IndustrialServiceMiscellaneous Piping Production TowerVessel Turbine UndergroundStr Other			
	AddressInformation A collection of elements defining the details of an address.		0	1
	GeographicalInformation A collection of elements defining a geographical location.		0	1
parent(s)	InvoiceResponseLineItem InvoiceResponseProperties InvoiceResponseSubLineItem			

LinItemIdentifier

The unique identifier for a product or service making up the line item.

note				
level	InvoiceResponseDetails			
parent(s)	LinItemInformation			
attributes	Name	Type	Use	Fixed
	identifierIndicator	string	M	
	A code to indicate the origin of the identifier.			
	AssignedByBuyer			
	AssignedByManufacturer			
	AssignedBySeller			
	CatalogueNumber	UPCNumber		
	Other			

LinItemInformation

A collection of elements detailing identifying information about a line item.

note				
level	InvoiceResponseDetails			
children	Name	Type	Use	Max
	LinItemIdentifier	string	O	U
	The unique identifier for a product or service making up the line item.			
	LinItemName	string	O	1
	The name of the product or service in the line item.			
children	LinItemDescription	string	O	1
	A free-form textual description of the line item.			
	ManufacturerIdentifier	string	O	1
A unique identifier for a manufacturer.				
parent(s)	InvoiceResponseLinItem			
	InvoiceResponseSubLinItem			

LinItemTotal

The net total monetary amount for the line item.

note				
level	InvoiceResponseDetails			
children	Name	Type	Use	Max
	MonetaryAmount	decimal	M	1
	The currency value of a transaction or item.			
children	CurrencyCode	string	O	1
	A code indicating the currency in which the monetary amount is specified.			

	Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.
parent(s)	InvoiceResponseLineItem InvoiceResponseSubLineItem

Location

A collection of elements giving details about a location.

note				
level	InvoiceResponseProperties InvoiceResponseDetails			
children	Name	Type	Use	Max
	LocationIdentifier	string	O	1
	A unique identifier for a physical location.			
	LocationName	string	O	1
	The name of the location being referenced.			
	AddressInformation		O	1
A collection of elements defining the details of an address.				
GeographicalInformation		O	1	
A collection of elements defining a geographical location.				
LocationDescription	string	O	1	
Free-form textual description of the location.				
parent(s)	TransportInformation			
attributes	Name	Type	Use	Fixed
	locationIndicator	string	O	
	A code to identify what kind of location is being referenced. FreightEqualizationPoint			
	[Redacted]			
	OnVessel-FOBPoint			
	AssignedBySeller			
	Origin-AfterLoadingOnEquipment			
	Origin-ShippingPoint			
	Plant			
	ShippingDestination			
	Warehouse			
Other				

MeasurementRange

A collection of elements providing a minimum and maximum measurement to create a range.

note				
level	InvoiceResponseDetails			
children	Name	Type	Use	Max
	MinimumMeasurement	decimal	M	1
	The smallest measurement in a given range.			
MaximumMeasurement	decimal	M	1	
The largest measurement in a given range.				
parent(s)	PriceBasis			

PartnerIdentifier

A unique identifier indicating a particular partner or organization.

note				
level	InvoiceResponseProperties InvoiceResponseDetails			
parent(s)	PartnerInformation			
attributes	Name	Type	Use	Fixed
	partnerIdentifierIndicator	string	M	
	A code to identify the origin of the Partner Identifier.			
	AssignedByBuyer			
	AssignedBySeller	DUNSNumber		
	DUNS+4Number			
	Other			

PartnerInformation

A collection of elements detailing partner information.

note				
level	InvoiceResponseProperties InvoiceResponseDetails			
children	<p>Name</p> <p>PartnerIdentifier</p> <p>A unique identifier indicating a particular partner or organization.</p> <p>PartnerName</p> <p>The name of the organization being referenced in Partner Information.</p> <p>AddressInformation</p> <p>A collection of elements defining the details of an address.</p> <p>ContactInformation</p> <p>A collection of elements defining details of communication for a contact person.</p> <p>TaxInformation</p> <p>A collection of elements detailing tax information about a partner.</p> <p>URL</p> <p>A Uniform Resource Locator indicating an internet address.</p>	Type	Use	Max
		string	M	U
		string	O	1
		string	O	1
		string	O	U
		string	O	1
		string	O	1
parent(s)	InvoiceResponseLineItem InvoiceResponseProperties InvoiceResponseSubLineItem			

attributes	Name	Type	Use	Fixed
	partnerRoleIndicator	string	M	
	A code to indicate the role in this transaction of the partner being referenced.			
	BillAndShipTo			
	BillTo			
	Carrier			
	CommissionPayee			
	FinalRecipient			
	Manufacturer			
	Marketplace			
	MaterialIssuer			
	OnsiteContractingCompany			
	OperatingCompany			
	Payer			
	PrimaryContractor			
	RemitTo			
	Seller			
	ShipFromParty			
	ShipToParty			
	SoldTo			
	ThirdParty			
	Vendor			
	Warehouse			
	Other			

PaymentTerms

A collection of elements detailing payment terms information.

note	<p>If either one of PercentDiscount or DiscountAmount is used, then at least one of DiscountsDueDate or DaysDue is required.</p> <p>If DeferredDueDate is used, then at least one of DeferredAmountDue or PercentOfInvoicePayable is required.</p>			
level	<p>InvoiceResponseProperties</p> <p>InvoiceResponseDetails</p>			
children	Name	Type	Use	Max
	PaymentTermsOfSale	string	0	1
	The terms on which payment is calculated for the transaction.			
	Description	string	0	1
	A free-form textual explanation or clarification.			
	PaymentTermsBasisDateCode	string	0	1
	A code identifying the beginning of the terms period.			
	DeliveryDate InvoiceDate			
	InvoiceReceiptDate Other			
	PaymentTermsBasisDate	date	0	1
	The date from which payment terms or discounts are calculated or based.			
	Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.			
	TermsNetDays	integer	0	1
	The number of days until the total invoice amount is due (discount not applicable).			
	PercentOfInvoicePayable	decimal	0	1
	The amount of an invoice payable expressed as a percentage.			
	Discounts		0	1
	The monetary amount allowed or applied as a credit against a transaction or balance.			
	Deferred		0	1
	The terms for a deferred payment in relation to a transaction.			
	Penalty	string	0	1
	A percentage used to calculate the penalty on any balance unpaid by the due date.			
parent(s)	<p>InvoiceResponseLineItem</p> <p>InvoiceResponseProperties</p> <p>InvoiceResponseSubLineItem</p>			

PersonnelInformation

A collection of elements detailing relevant personnel information.

note	
level	InvoiceResponseDetails

children	Name	Type	Use	Max
	PersonnelName The name of the person being referenced.	string	0	1
	CompanyName The name of the company.	string	0	1
	PersonnelIdentifier A unique identifier for an employee of an organization.	string	0	1
	<u>TimeWorked</u> The time period worked by a specific employee completing a service.		0	1

	JobDescription A free-form textual description of the job.	string	O	1
	Comment A free-form textual structure for general information or comments.	string	O	1
parent(s)	InvoiceResponseLineItem InvoiceResponseSubLineItem			

PostalCountry

The country code indicating the country to which mail should be delivered.

note				
level	InvoiceResponseProperties InvoiceResponseDetails			
children	Name CountryCode A code indicating a country. Use the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.	Type string	Use M	Max 1
parent(s)	AddressInformation			

PriceBasis

A structure allowing for a price to be based on more than just a single unit of measure.

note				
level	InvoiceResponseDetails			
children	Name Measurement A numeric value for technical or attribute data. MeasurementRange A collection of elements providing a minimum and maximum measurement to create a range. UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030. BasisDescription Free-form textual description of the basis.	Type decimal string string	Use O M O	Max 1 1 1 1
parent(s)	Pricing			

Pricing

A collection of elements detailing price information.

note	
level	InvoiceResponseDetails

children	Name	Type	Use	Max
	<p>UnitPrice</p> <p>The unit price of the product or service being sold.</p> <p>PriceBasis</p> <p>A structure allowing for a price to be based on more than just a single unit of measure.</p>		<p>M</p> <p>O</p>	<p>1</p> <p>U</p>
parent(s)	<p>InvoiceResponseLineItem</p> <p>InvoiceResponseSubLineItem</p>			

PrimaryCurrency

The currency code indicating the currency to be used for the transaction.

note				
level	InvoiceResponseProperties			
children	Name	Type	Use	Max
	CurrencyCode	string	M	1
	A code indicating the currency in which the monetary amount is specified. Use theodelist from ISO 4217:2001 Codes for the representation of currencies and funds.			
parent(s)	InvoiceResponseProperties			

PurchaseOrderInformation

A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.

note				
level	InvoiceResponseProperties InvoiceResponseDetails			
children	Name	Type	Use	Max
	PurchaseOrderNumber	string	M	1
	A unique identifier for an Order Create message.			
	PurchaseOrderIssuedDate	date	O	1
	The date upon which an order was created or deemed to have been issued. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.			
	PurchaseOrderTypeCode	string	O	1
	A code indicating the kind of purchase order.			
	Confirmation	EmergencyOrder		
	ReleaseOrDeliveryOrder	RushOrder		
	StandAloneOrder			
	SupplyOrServiceOrder	Other		
	ReleaseNumber	string	O	1
	A number identifying a release against a purchase order previously placed by the parties involved in the transaction. It is the equivalent to a work order number.			
	SalesOrderNumber	string	O	1
	The identifier assigned by a supplier to an order placed by a customer.			
	RevisionNumber	string	O	1
	A number indicating the version of the document. It is used if a message is resent in its entirety to replace an earlier version.			

parent(s)	InvoiceResponseLineItem InvoiceResponseProperties InvoiceResponseSubLineItem
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RateOfExchangeDetail

A collection of elements containing the detail of the exchange rate between two currencies.

note	
level	InvoiceResponseProperties

	Name	Type	Use	Max
children	ReferenceCurrency The currency from which a monetary value is to be converted using a rate of exchange.		M	1
	TargetCurrency The currency to which the monetary value is to be converted using a rate of exchange.		M	1
	ExchangeRate An equation which converts monetary amounts into different denominations.	string	M	1
	DateOfRateOfExchange The date upon which the exchange rate was quoted. Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.	date	O	1
parent(s)	InvoiceResponseProperties			

ReferenceCurrency

The currency from which a monetary value is to be converted using a rate of exchange.

note				
level	InvoiceResponseProperties			
children	<p>Name</p> <p>CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.</p>	Type string	Use M	Max 1
parent(s)	RateOfExchangeDetail			

ReferenceInformation

A collection of elements detailing references to information that reside outside of the current transaction message.

note	It is recommended that ReferenceInformation be used at either the Property or Detail level, but not both.			
level	InvoiceResponseProperties InvoiceResponseDetails			
children	<p>Name</p> <p>ReferenceNumber A number or identifier that is used to reference documents or information not included within a particular message. The referenceInformationIndicator attribute qualifies what this number references</p> <p>Description A free-form textual explanation or clarification.</p>	Type string	Use M	Max 1
parent(s)	InvoiceResponseLinItem InvoiceResponseProperties InvoiceResponseSubLinItem			

attributes	Name	Type	Use	Fixed
	referenceInformationIndicator A code to identify what type of information is being referenced.	string	M	
	AFENumber	BatchNumber		
	BillOfLading	Certification		
	CertifiedInspectionTestResults			
	ConfigurationNumber			
	ContractNumber			
	CostAllocationReference	CostCenter		
	CustomerAccountingReference			
	CustomerReferenceNumber			
	DeliveryTicketNumber			
	DivisionIdentifier			
	EngineeringChangeOrderNumber	JobNumber		
	LetterOfCreditNumber			
	LocationNumber			
	MaterialSafetyDataSheet			
	OperatorGeneralLedgerCode			
	OriginalInvoiceNumber			
	PriceAreaNumber	ProjectNumber		
	ProposalNumber			

	QuoteNumber	
	RequestForQuotationNumber	
	TemplateName	Other

SecondCurrency

The currency code indicating a second currency, such as for European countries using the Euro and a local currency.

note				
level	InvoiceResponseProperties			
children	Name	Type	Use	Max
	CurrencyCode	string	M	1
	A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.			
parent(s)	InvoiceResponseProperties			

ServiceDateTime

The actual and/or schedule dates for a service.

note	<p>Format is CCYY-MM-DDThh:mm:ss where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day. The letter "T" is the date/time separator and "hh", "mm", "ss" represent hour, minute and second respectively.</p> <p>The CCYY field must have at least four digits, the MM, DD, SS, hh, mm and ss fields exactly two digits each. Leading zeroes must be used if the field would otherwise have too few digits.</p> <p>If no time is to be given then use zeroes in the hh, mm and ss fields.</p> <p>This representation may be immediately followed by a "Z" to indicate Coordinated Universal Time (UTC) or, to indicate the time zone, i.e. the difference between the local time and Coordinated Universal Time, immediately followed by a sign, + or -, followed by the difference from UTC represented as hh:mm (note: the minutes part is required). For example, to indicate 1:20 pm on May the 31st, 1999 for Eastern Standard Time which is 5 hours behind Coordinated Universal Time (UTC), one would write: 1999-05-31T13:20:00-05:00.</p>			
level	InvoiceResponseProperties InvoiceResponseDetails			
parent(s)	InvoiceResponseLineItem InvoiceResponseProperties InvoiceResponseSubLineItem			

attributes	Name	Type	Use	Fixed
	dateTypeIndicator	string	M	
	A code to identify which date being given.			
	ArriveLocationDate	InvoiceDueDate		
	InvoicePeriodStartDate			
	LeaveLocationDate			
	PromisedForDelivery			
	PromisedForShipment			
	RequestedForDelivery			
	RequestedForShipment			
	ServicePeriodEnd			
	ServicePeriodStart	ShipDate		
	Other			

ShippingAmount

The monetary amount of shipping or freight charges.

note				
level	InvoiceResponseDetails InvoiceResponseSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal string	M O	1 1
parent(s)	InvoiceResponseLineItem InvoiceResponseSubLineItem InvoiceResponseSummary			

SpecialInstructions

A free-form textual description of special requirements.

note				
level	InvoiceResponseProperties InvoiceResponseDetails			
parent(s)	InvoiceResponseLineItem InvoiceResponseProperties InvoiceResponseSubLineItem			
attributes	Name	Type	Use	Fixed
	instructionIndicator A code to identify the type of instruction being given. CarrierInstructions ConsigneeInstructions DriverInstructions EmptyReturnInstructions InspectionInstructions RoutingInstructions ShipperInstructions Tolerances	string ShortLeadTime Other	O	

SubTotalAmount

The monetary amount of the subtotal. It is qualified by the subTotalIndicator attribute which identifies what the subtotal is referencing.

note				
level	InvoiceResponseSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
parent(s)	InvoiceResponseSummary			
attributes	Name	Type	Use	Fixed
	subTotalIndicator A code to indicate the type of subtotal being given. Equipment Labor Materials Other	string	M	

TargetCurrency

The currency to which the monetary value is to be converted using a rate of exchange.

note				
level	InvoiceResponseProperties			
children	Name	Type	Use	Max
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	M	1
parent(s)	RateOfExchangeDetail			

Tax

A collection of elements detailing information about tax applied to a transaction.

note	It is recommended that Tax be used at the Detail level to support tax exemptions. However, many systems cannot provide detail-level Tax information at this time, therefore, Tax is not mandatory at the detail level.
level	InvoiceResponseDetails InvoiceResponseSummary

children	Name	Type	Use	Max
	TaxTypeCode	string	M	1
	A code indicating the kind of tax being applied.			
	CitySalesTax			
	CountyParishSalesTax	CountyTax		
	FederalExciseTax			
	GoodsAndServicesTax			
	GrossReceiptsTax	LocalTax		
	MetropolitanTransitTax			
	StateAndLocalSalesTax			
	StateProvincialTax	StateSalesTax		
	ValueAddedTax	WellServiceTax		
	Other			
	MixedRateIndicator	string	O	1
	A mixed rate VAT tax indicator. This is used for European tax purposes.			
	TaxIdentifierNumber	string	O	1
	A unique number or code issued to an organization by a governmental or regulatory body identifying that entity for tax purposes.			
	TaxExemptCode	string	O	1
	A code identifying exemption status from sales and use tax.			
	DirectPay	Exempt		
	NonExempt	Other		
	<u>TaxLocation</u>		O	1
	The physical or deemed location at which tax is calculated based upon jurisdiction by a governmental or regulatory body.			
	TaxRate	decimal	O	1
	The percentage or monetary amount charged on a transaction.			
	<u>TaxBasisAmount</u>		O	1
	The monetary amount which is subject to tax.			
	<u>TaxAmount</u>		O	1
	The monetary amount of the tax.			
	TaxReference	string	O	1
	A free-form textual explanation or clarification.			
parent(s)	InvoiceResponseLineItem InvoiceResponseSubLineItem InvoiceResponseSummary			

TaxAmount

The monetary amount of the tax.

note				
level	InvoiceResponseDetails InvoiceResponseSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal string	M O	1 1
parent(s)	Tax			

TaxBasisAmount

The monetary amount which is subject to tax.

note				
level	InvoiceResponseDetails InvoiceResponseSummary			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item. CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	decimal string	M O	1 1
parent(s)	Tax			

TaxInformation

A collection of elements detailing tax information about a partner.

note				
level	InvoiceResponseProperties InvoiceResponseDetails			

children	Name	Type	Use	Max
	TaxIdentifierNumber A unique number or code issued to an organization by a governmental or regulatory body identifying that entity for tax purposes.	string	0	1
	Jurisdiction The authority exercised by a nation, a judicial body, or a legislative body over persons, places, and property. Jurisdiction may apply to the territory over which a nation has control, including the land area, the adjacent sea, and the airspace above. It may also refer to the authority of an international body to make decisions binding on national entities.	string	0	1
	TaxCertificateType The category of tax certificate for which an identifying number is issued.	string	0	1
	TaxCertificateNumber The identifying number for a tax certificate such as tax exemption, sales and use tax certificate or other such document.	string	0	1
parent(s)	PartnerInformation			

TaxLocation

The physical or deemed location at which tax is calculated based upon jurisdiction by a governmental or regulatory body.

note				
level	InvoiceResponseDetails InvoiceResponseSummary			
children	Name	Type	Use	Max
	LocationIdentifier	string	O	1
	A unique identifier for a physical location.			
	LocationName	string	O	1
	The name of the location being referenced.			
children	LocationDescription	string	O	1
	Free-form textual description of the location.			
	AddressInformation		O	1
A collection of elements defining the details of an address.				
parent(s)	Tax			

Telephone

A collection of elements detailing information about a telephone number.

note				
level	InvoiceResponseProperties InvoiceResponseDetails			
children	Name	Type	Use	Max
	PhoneNumber	string	M	1
	A numerical sequence to reach a telephone attached to a communication network.			
	PhoneNumberExtension	string	O	1
	An extension number that is needed to further identify the phone number.			
children	TelecomCountryCode	string	O	1
	The dialing code from another country to access the telephone network in another country.			
	TelecomAreaCode	string	O	1
The area code within a country or jurisdiction, if needed, to access local telephones within the country.				
parent(s)	ContactInformation			
attributes	Name	Type	Use	Fixed
	telephoneIndicator	string	O	
	A code to indicate the type of phone number being given.			
	Fax	Mobile		
	Pager	Voice		
Other				

TermsDiscountAmount

The total monetary amount of the payment terms discount.

note				
level	InvoiceResponseSummary			
children	Name	Type	Use	Max
	MonetaryAmount	decimal	M	1
	The currency value of a transaction or item.			

	CurrencyCode string O 1 A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.
parent(s)	InvoiceResponseSummary

TimeWorked

The time period worked by a specific employee completing a service.

note													
level	InvoiceResponseDetails												
children	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>Quantity A numeric count of measure.</td> <td>decimal</td> <td>M</td> <td>1</td> </tr> <tr> <td>UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.</td> <td>string</td> <td>M</td> <td>1</td> </tr> </tbody> </table>	Name	Type	Use	Max	Quantity A numeric count of measure.	decimal	M	1	UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.	string	M	1
Name	Type	Use	Max										
Quantity A numeric count of measure.	decimal	M	1										
UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.	string	M	1										
parent(s)	PersonnelInformation												

TransportInformation

A collection of elements detailing how product is transported.

note	If TransportInformation is used, then at least one of TransportMethodCode, Routing, or ServiceLevelCode is required.
level	InvoiceResponseDetails InvoiceResponseSummary

children	Name	Type	Use	Max
	ShipmentMethodOfPayment A code indicating payment terms for transportation charges.	string	M	1
	Collect	Collect-		
	FreightCreditedBackToCustomer			
	CustomerPickupBackhaul	Pickup		
	PrepaidBySeller	Prepaid-		
	ChargedToCustomer	ServiceFreight-		
	NoCharge	ThirdPartyPay		
	Other			
	RoutingSequenceCode A code indicating the relationship of a carrier to a specific shipment movement.	string	O	1
	OriginCarrier-AirMotorOcean			
	OriginDeliveryCarrier-AnyMode			
	Other			
	TransportMethodCode A code indicating the mode of transportation used to move product.	string	O	1
	Air	AirExpress		
	Barge	BestWay-		
	ShippersOption	Boat		
	CustomerPickup	ExpeditedTruck		
	Motor-CommonCarrier	Ocean		
	ParcelPost	Rail		
	SupplierTruck	Truck		
	Vessel	Other		
	<u>PartnerInformation</u> A collection of elements detailing partner information.		O	U
	<u>Location</u> A collection of elements giving details about a location.		O	U
	ShipmentTermsCode A code indicating the terms under which a product is shipped, such as Freight Prepaid, FOB or similar.	string	O	1
	Routing A free-form description of the shipping route to be provided for transportation of product.	string	O	1
	ServiceLevelCode A code indicating the level of service required.	string	O	1
	<u>HazardousMaterials</u> A collection of elements conveying hazardous goods information related to a product.		O	1
	CarrierEquipmentCode	string	O	1

	A code indicating the kind of equipment parent(s) the carrier. TransportName The identifier of specific vessel, truck, railcar, etc.	string	O	1
parent(s)	InvoiceResponseLineItem InvoiceResponseProperties InvoiceResponseSubLineItem			

UnitPrice

A collection of elements detailing how product is transported.

note				
level	InvoiceResponseDetails			
children	Name	Type	Use	Max
	MonetaryAmount The currency value of a transaction or item.	decimal	M	1
	UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.	string	M	1
	CurrencyCode A code indicating the currency in which the monetary amount is specified. Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.	string	O	1
parent(s)	Pricing			

WellIdentifier

A unique identifier referencing a well, such as an UWI number.

note				
level	InvoiceResponseDetails InvoiceResponseSummary			
parent(s)	WellInformation			
attributes	Name	Type	Use	Fixed
	wellIdentifierIndicator A code to indicate the origin of the Well Identifier.	string	O	
	Number	CustomerNumber		
	UWINumber	Other		

WellInformation

A collection of elements detailing information about a well.

note	
level	InvoiceResponseDetails InvoiceResponseSummary

children	Name	Type	Use	Max	
	<u>WellIdentifier</u>	string	M	U	
	A unique identifier referencing a well, such as an number.				
	WellName	string	O	1	
	The customer name of a well.				
	WellType	string	O	1	
	A code indicating the function of the well.				
	Brine	DirectionalGas			
	DirectionalNonWell	DirectionalOil			
	DisposalWell	Environmental			
	Gas	HorizontalGas			
	HorizontalOil	IndustrialDisposal			
	IndustrialNonWell	Injection			
	NonWell	Oil			
	Relief	Storage			
	Sulfur	Thermal			
	Uranium	Water			
	Other				
	WellCategory	string	O	1	
	A code indicating the category of a well.				
Abandoned	DevBelow3000				
Development	ExistingWell				
NonWell	ReacidizeWell				
Recompletion	RefractedWell				
Wildcat	Workover				
Other					
parent(s)	<u>JobLocationInformation</u>				

Appendix A: PIDX XML Schema to PIDX "PIP" Number

The PIPs and Global Business Action Codes (GBACs) in PIDX_RN-PIP_ParameterMatrix_v2 (01-408-20-45-2007, Version 2.0, published April 7, 2007) have been revised as of October 28, 2020.

PIDX Document Number	Document Title	File Name	Version	Publication Date
01-408-20-45-2007	PIDX_RN-PIP_ParameterMatrix_v2	408_Matrix_XML_RN_PIP_ParameterMatrix_2007.xls	2.0	April 3, 2007
Superseded by:				
01-408-20-45-2007 (2020 edition)	PIDX_RN-PIP_ParameterMatrix_v3	408_Update_2020_PIDX_RN_PIP_Parameter_Matrix_01-408-20-45-2007_(v.3.0_2020-10-28)	3.0	October 28, 2020

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FieldTicket	P11	Seller	Seller Service	Buyer	Buyer Service	Field Ticket Notification
FieldTicketResponse	P12	Buyer	Buyer Service	Seller	Seller Service	Field Ticket Receipt Notification
Invoice	P21	Seller	Seller Service	Buyer	Buyer Service	Invoice Notification
InvoiceResponse	P22	Buyer	Buyer Service	Seller	Seller Service	Invoice Receipt Notification
OrderCreate	P31	Buyer	Buyer Service	Seller	Seller Service	Purchase Order Notification
OrderChange	P32	Buyer	Buyer Service	Seller	Seller Service	Purchase Order Change Notification
OrderResponse	P33	Seller	Seller Service	Buyer	Buyer Service	Purchase Order Receipt Notification
QuoteRequest	P41	Buyer	Buyer Service	Seller	Seller Service	Request for Quote
Quote	P42	Seller	Seller Service	Buyer	Buyer Service	Quote

QuoteNotification	P43	Buyer	Seller Service	Buyer	Buyer Service	Quote Notification
RequestRequisitionReturn	P51	Buyer	Buyer Service	Seller	Seller Service	Requisition Return Notification
OrderStatusRequest	P61	Buyer	Buyer Service	Seller	Seller Service	Order Status Notification
OrderStatusResponse	P62	Seller	Seller Service	Buyer	Buyer Service	Order Status Receipt Response
PipelineNominationChange	P71	Seller	Seller Service	Pipeline	Pipeline Service	Pipeline Nomination Change Notification
PipelineNominationCreate	P72	Seller	Seller Service	Pipeline	Pipeline Service	Pipeline Nomination Notification
PipelineNominationResponse	P73	Pipeline	Pipeline Service	Seller	Seller Service	Pipeline Nomination Receipt Notification
PipelineSchedule	P74	Pipeline	Pipeline Service	Seller	Seller Service	Pipeline Schedule Notification
ASN	P20	Seller	Seller Service	Buyer	Buyer Service	Advance Shipment Notification
CementingTemplate	P90	Seller	Seller Service	Buyer	Buyer Service	Cementing Job Notification
CustodyTicket	P75	Buyer	Buyer Service	Seller	Seller Service	Product Custody Notification
Receipt	P80	Seller	Seller Service	Buyer	Buyer Service	Receipt Notification
BillOfLadingCreate	P81	Carrier	Carrier Service	Shipper	Shipper Service	Bill of Lading Notification
BillOfLadingResponse	P82	Shipper	Shipper	Carrier	Carrier Service	Bill of Lading Receipt Notification
InventoryBalance	P83	Seller	Seller Service	Buyer	Buyer Service	Inventory Balance Notification
InventoryBalanceRequest	P84	Buyer	Buyer Service	Seller	Seller Service	Inventory Balance Request Notification
PriceSheet	P25	Seller	Seller Service	Buyer	Buyer Service	Price Sheet Notification

KEY
Black Text = ComProServ RP3901
Blue Text = 2007 Update
Red Text = 2020 Update

Appendix B: GlobalPartnerRoleClassificationCode Values

This table extracted from the RosettaNet EntityInstances.htm document.

GlobalPartnerRoleClassificationCode	
Value	Definition
Financing Processor	The organization that processes the request for financing.
Product Provider	The partner role that creates a differentiated product, owns the registration process and creates a list of eligible products.
Credit Reference Requester	This partner role is responsible for requesting credit information about potential customers.
Account Supplier	Any trading partner that buys or sells products/services from customers and/or vendors.
Sales Marketing Claimant	The partner role that requests reimbursement from a Sales Marketing Claim Processor.
Sales Lead Processor	The party who receives the sales lead. This party is responsible for accepting or rejecting the lead, and if accepted, reports the status of the lead.
Sales Lead Originator	The party assigning a sales lead to another party.
Status Requester	The functional partner role, that could be a Product Provider, that creates a differentiated product, owns the registration process and creates a list of eligible products, or who is responsible for identifying the opportunity (that is, it could be a Demand Creator).
Payer	The party issuing a payment.
Status Responder	The organizational partner role, that could be a Product Provider, that creates a differentiated product, owns the registration process and creates a list of eligible products, or who is responsible for identifying the opportunity (that is, it could be a Demand Creator).
Return Receiver	A third-party or warehousing operation responsible for receiving returns, inspecting the package contents and comparing to the issued RMA to assure the contents are what was authorized on the RMA.
Return Provider	The party responsible for authorizing and/or processing the return.
Return Requester	Any party wishing to return a product. This role could be played by a large end-user such as the Government Services Administration (GSA), a distributor, or a reseller.
Authorizer	The partner role that provides product authorization, from a product owner or manufacturer, for a reselling organization to resell a product.
Anonymous Buyer	A requestor of information that chooses to remain anonymous.
Payee	The party receiving a payment.
Seller	An organization that sells products to partners in the supply chain.

Solution Provider	The party that may architect, configure, engineer, sell, or determine the fulfillment of the configured solution to partners in the supply chain.
Sales Marketing Program Reimbursers	The partner role that is currently processing a sales marketing claim, (or providing a payment without a claim submitted) and who provides information on the status of the claim processing.
Shipment Information User	The party who receives shipment status information.

GlobalPartnerRoleClassificationCode	
Value	Definition
Supplier	This partner role supplies product to customers in the supply chain.
Sales Facilitator	This partner role facilitates the sale of product between partners in the supply chain.
Product Supplier	This partner role supplies product to customers in the supply chain.
Customer	This partner role creates a demand for a product or service.
Credit Provider	This partner role is responsible for providing credit information about potential customers.
Customer Manager	This partner role manages the relationship with the business customers.
Specification Provider	The partner role that creates or passes on manufacturing specifications. This may be a Solution Provider, an OEM who is sub-contracting manufacturing tasks like fabrication or assembly, or another party.
Buyer	An employee or organization that buys products for a partner type in the supply chain.
Product Information User	The partner role that uses product information to create or update enterprise systems and online promotion systems such as electronic catalog systems.
Product Information Distributor	The partner role that distributes new product information to product information users and buyers.
Marketing Activity Initiator	The partner role that distributes information about marketing activities being sponsored by the organization.
Marketing Activity Information User	The party who uses information about Marketing Activities. This party might include distributors, and retail operations.
Sales Marketing Claim Processor	The partner role that processes the claim and/or remits compensation to the Sales Marketing Claimant.
Demand Creator	The partner role responsible for identifying the opportunity; submits design registration; provides engineering support to advance the opportunity to the higher stage towards design win and to generate revenue.
Product Information Subscriber	The business partner that subscribes to product information from other business partners.
ShipmentController	The party who is authorized to make decisions regarding a shipment while in-transit.
Catalog Distributor	The partner role that distributes catalog information to catalog producers and buyers.
Catalog Producer	The partner role that produces catalog information for a partner type in the supply chain.
Tender Information User	The stakeholder(s) in the tendering activity.
Account User	Any trading partner that requires an account to buy or sell products/services.

Shipper	The party who relinquishes a shipment to a Transport Service Provider.
Claim Requester	The owner of the shipments who is responsible for the intact delivery.
Transport Service Provider	The party that provides transportation services for a Shipment Requester.
In-transit Information User	The party who receives shipment status information.

GlobalPartnerRoleClassificationCode	
Value	Definition
Appointment Provider	The stakeholder(s) in the shipment delivery activity.
Consignee	The receiver of the shipment.
Decision Stakeholder	The party (such as suppliers, customers and others) who is responsible for the review and approval of the Engineering Change Approval Request. The stakeholders may be from multiple organizations.
Invoice Receiver	The organization being invoiced.
Invoice Provider	The organization that generates the invoice.
Invoice Reject Receiver	The organization being issued an Invoice Reject Notification.
Shipment Requester	The party requesting transportation services.
Sales Marketing Program Reimbursement Recipient	The partner role that receives status on a previously submitted sales marketing claim, or who receives reimbursement without submitting a claim.
Product Distributor	The party authorized by a Product Supplier to purchase goods and services from the Product Supplier and resell to customers.
Implementation Plan Creator	The partner role that creates, maintains and manages an implementation plan associated with an Engineering Change Order.
Invoice Reject Provider	The organization that rejects an invoice.
Specification User	The partner role that uses a manufacturing specification. This might be a sub-contract assembler or fabricator.
Change Requester	A party who has an interest in requesting a review of a possible change to the component. The requester may be any party including customers and suppliers.
Forecast Owner	The party that creates a sales or order forecast and is ultimately responsible for it.
Forecast Recipient	The party that receives a sales or order forecast.
Delivery Appointment Provider	A party that receives a request for a change to a previously scheduled delivery appointment.
Solution Requester	This party that creates a demand for a product or service, or has contracted with a Solution Provider for the manufacture or fulfillment of a product(s).
Delivery Appointment Requester	A party that requests a change to a previously scheduled delivery appointment.

Change Review Forum	A party who has responsibility for the review of Engineering Change Requests and the drafting and review of Engineering Change Orders. The Change Review Forum is assumed to be at the company that has responsibility for the engineering aspects of the component affected by the change.
Stakeholder	The party that is required to implement an Engineering Change Order. The Stakeholder may include all levels of suppliers, customers or other parties. The Stakeholder may represent multiple organizations. The Stakeholder may draft and or be responsible for completing tasks in an implementation plan

Appendix C: GlobalBusinessServiceCode Values

This table extracted from the RosettaNet EntityInstances.htm document.

GlobalBusinessServiceCode	
Value	Definition
Product Supplier Service	
Product Information Distributor Agent	
Product Information User Service	
Product Information Distributor Service	
Customer Manager Service	
Product Information Subscriber Service	
Buyer Service	
Customer Service	
Supplier Service	
Sales Facilitator Service	
Seller Service	

Appendix D: GlobalBusinessActionCode Values

This table extracted from the RosettaNet EntityInstances.htm document.

GlobalBusinessActionCode	
Value	Definition
Failure Notification	An unsolicited informal notification of the failure to perform a business activity.
Product Information Notification	A product information notification contains unstructured sales catalog information.
Product Resource Update	A product resource update contains structured technical information and sales catalog information for updating online sales catalogs and enterprise systems.
Transportation Projection Notification	
Advance Shipment Notification	
Return Product Response	
Billing Statement Notification	
Remittance Advice Notification	
Shipper's Manifest Notification	
Purchase Order Status Notification	An unsolicited informal notification of the status of an existing open Purchase order. The status reflects the current state of the Purchase Order at the time of the request.
Financing Response	
Subscription Cancellation	Cancellation of an existing subscription.
Financing Request	
Shipment Status Query	
Shipment Status Response	
Invoice Reject Notification	
Shipment Status Notification	
Purchase Order Status Query	A query to request the status of an existing purchase order.

Shopping Cart Transfer Acceptance	Confirms that the receiving partner is accepting the transfer of a shopping cart's contents for fulfillment.
Shopping Cart Transfer	A request for a partner to accept the contents of a shopping cart.
Technical Information Response	Response to a technical information user's query for technical information.
Technical Information Query	A query for technical information to a product information distributor.

GlobalBusinessActionCode	
Value	Definition
Product Information Response	Response to a product information user's query for product information.
Product Information Query	A query for product information from a product information distributor.
Price and Availability Response	Response to customer query for price and availability.
Stock Keeping Unit Creation Notification	A notification informing the customer manager that a new Stock Keeping Unit (SKU) has been created for the product.
Purchase Order Status Response	A response to a query requesting the status of an existing purchase order. The status reflects the current state of the Purchase Order at the time of the request.
Invoice Notification	
Purchase Order Acceptance	Confirms the creation, change or cancellation of a Purchase Order.
Purchase Order Cancellation	Cancellation of an existing Purchaser Order.
Purchase Order Change	A change of an existing Purchase Order.
Purchase Order Request	A request to accept a Purchase Order for fulfillment.
Subscription Confirmation	Confirms the creation, change, or cancellation of a subscription.
Subscription Request	A request to create a subscription for product information distribution.
Sales Promotion and Rebate Information Query	
Price and Availability Query	A query for product price and availability from a product supplier.
Marketing Information Query	
Account Change Request	
Account Setup Acknowledgment	
Account Request	
Product Discontinuation Information Query	
Shipment Change Confirmation	
Delivery Appointment Response	
Delivery Appointment Request	

Shipment Receipt Notification	
Transportation Claim Response	
Account Change Response	
Create Remittance Advice	

GlobalBusinessActionCode	
Value	Definition
Shipment Change Request	
Marketing Information Response	
Quote Response	
Quote Request	
Product Discontinuation Information Response	
Inspection Result Notification	
Subscription Change	Change of an existing subscription.
Lifecycle Information Response	
Product Lifecycle Query	
Sales Promotion and Rebate Information Response	
Transportation Claim Request	
Return Product Request	
Delivery Exception Notification	
Return Result	
Pending Return Notification	
Credit Reference Query	
Ship From Stock And Debit Authorization Response	
Ship From Stock And Debit Authorization Request	
Ship From Stock And Debit Claim Request	
Ship From Stock And Debit Claim Response	
Ship From Stock And Debit Claim Status Notification	
Updated Authorization Status Notification	Updated authorization status report notification to the product seller on active contracted resellers.

Ship From Stock And Debit Authorization Status Query	
Credit Reference Response	
Ship From Stock And Debit Authorization Status Response	

GlobalBusinessActionCode	
Value	Definition
Purchase Order Acceptance Notification	A notification of additional purchase order acceptance information.
Engineering Change Request	
Engineering Change Response	
Engineering Change Response Notification	
Engineering Change Approval Request	
Engineering Change Approval Response	
Engineering Change Order Notification	
Engineering Change Implementation Plan Notification	
Basic Product Information Change	
Registration Status Query	
Change Product Technical Information Confirmation	
Product Lifecycle Information Change	
Change Product Lifecycle Information Confirmation	
Optional Product Information Query	
Optional Product Information Response	
Product List Notification	
Design Registration Response	
Open Ship From Stock And Debit Authorization Status Notification	
Registration Status Notification	
Product Technical Information Change	
Registration Status Response	

Change Product Sales Promotion and Rebate Information Confirmation	
Win Claim Request	
Product Sales Promotion and Rebate Information Change	
Change Product Marketing Information Confirmation	

GlobalBusinessActionCode	
Value	Definition
Product Marketing Information Change	
Change Basic Product Information Acceptance	
Blanket Ship From Stock And Debit Authorization Notification	
Win Claim Response	
Design Registration Request	

Appendix E: GlobalBusinessActionCode Values

This table extracted from the RosettaNet EntityInstances.htm document.

GlobalBusinessActionCode	
Value	Definition
Failure Notification	An unsolicited informal notification of the failure to perform a business activity.
Product Information Notification	A product information notification contains unstructured sales catalog information.

Appendix F: GlobalMimeTypeQualifierCode Values

This table extracted from the RosettaNet EntityInstances.htm document.

GlobalMimeTypeQualifierCode	
Value	Definition
model/iges	
application/news-transmission	
application/wordperfect5.1	
application/iges	
image/vnd.wap.wbmp	
application/vnd.motorola.flexsuite.kmr	
application/cybercash	
application/pdf	
application/zip	
video/vnd.motorola.videop	
application/remote-printing	
model/vrml	
model/mesh	
model/vnd.dwf	
model/vnd.gtw	
application/news-message-id	
application/mathematica	
application/slate	
model/vnd.flatland.3dml	
application/msword	
application/macwriteii	

application/octet-stream	
application/vnd.accpac.simply.aso	
message/partial	
message/external-body	

GlobalMimeTypeQualifierCode	
Value	Definition
message/news	
message/rfc822	
multipart/byteranges	
multipart/encrypted	
message/http	
message/delivery-status	
application/dec-dx	
message/s-http	
application/mac-binhex40	
application/postscript	
application/oda	
application/atomicmail	
application/andrew-inset	
application/wita	
application/dca-rft	
application/activemessage	
application/rtf	
application/applefile	
message/disposition-notification	
image/vnd.dxf	
image/gif	
text/richtext	
text/plain	

image/vnd.fastbidsheet	
image/prs.btif	
image/vnd.xiff	
image/vnd.net-fpx	
video/vnd.motorola.video	

GlobalMimeTypeQualifierCode	
Value	Definition
image/png	
video/vnd.vivo	
image/vnd.svf	
image/vnd.dwg	
image/naplps	
image/cgm	
image/tiff	
image/g3fax	
application/vnd.ufdl	
image/vnd.fpx	
audio/vnd.rhetorex.32kadpcm	
image/prs.pti	
image/vnd.cns.inf2	
image/vnd.mix	
audio/basic	
audio/32kadpcm	
audio/vnd.qcelp	
audio/vnd.digital-winds	
text/enriched	
audio/vnd.octel.sbc	
image/jpeg	
audio/vnd.vmx.cvsd	
audio/vnd.nortel.vbk	

audio/vnd.cns.anp1	
audio/vnd.cns.inf1	
audio/L16	
video/mpeg	
video/quicktime	

GlobalMimeTypeQualifierCode	
Value	Definition
audio/vnd.lucent.voice	
application/ipp	
image/ief	
application/pkix-cert	
application/vnd.hp-hpid	
application/vnd.pg.osasli	
application/vnd.pg.format	
application/vnd.mediastation.cdkey	
application/vnd.previewsystems.box	
application/vnd.Mobius.TXF	
application/ocsp-request	
application/vnd.Mobius.PLC	
application/vnd.vcx	
application/riscos	
application/vnd.accpac.simply.imp	
application/eshop	
application/vnd.motorola.flexsuite.ttc	
application/vnd.motorola.flexsuite.gotap	
application/vnd.motorola.flexsuite.fis	
application/ocsp-response	
application/index.cmd	
application/sdp	
application/http	

application/vnd.dpgraph	
application/vnd.powerbuilder75-s	
application/vnd.powerbuilder75	
application/vnd.triscape.mxs	
application/index.vnd	

GlobalMimeTypeQualifierCode	
Value	Definition
application/pkix-crl	
application/index.response	
application/vnd.motorola.flexsuite.adsi	
application/index	
application/vnd.cups-raw	
application/vnd.cups-postscript	
application/vnd.cups-raster	
application/vnd.Mobius.MSL	
application/vnd.Mobius.DAF	
application/vnd.Mobius.DIS	
application/index.obj	
application/vnd.claymore	
application/marc	
application/vnd.fujitsu.oasysprs	
application/vnd.fujitsu.oasysgp	
application/vnd.visio	
application/vnd.netfpx	
application/vnd.audiograph	
application/vnd.epson.salt	
application/vnd.3M.Post-it-Notes	
application/vnd.novadigm.EDX	
application/vnd.ecowin.seriesrequest	
application/vnd.novadigm.EDM	

application/vnd.ibm.modcap	
application/vnd.comsocaller	
application/pkcs7-mime	
application/pkcs7-signature	
application/pkcs10	

GlobalMimeTypeQualifierCode	
Value	Definition
application/vnd.yellowriver-custom-menu+A91	
application/vnd.ecowin.chart	
application/vnd.ecowin.series	
application/vnd.ecowin.filerequest	
application/commonground	
application/vnd.novadigm.EXT	
application/vnd.lotus-screencam	
application/vnd.FloGraphIt	
application/vnd.intercon.formnet	
application/vemmi	
application/vnd.ms-asf	
application/vnd.ecdis-update	
application/vnd.powerbuilder6	
application/vnd.powerbuilder6-s	
application/vnd.lotus-wordpro	
application/vnd.lotus-approach	
application/vnd.fujitsu.oasys3	
application/vnd.lotus-organizer	
application/vnd.acucobol	
application/vnd.lotus-freelance	
application/vnd.fujitsu.oasys	
application/vnd.fujitsu.oasys2	
application/vnd.swiftview-ics	

application/vnd.dna	
application/prs.cww	
application/vnd.wt.stf	
application/vnd.dxr	
application/vnd.mitsubishi.misty-guard.trustweb	

GlobalMimeTypeQualifierCode	
Value	Definition
application/vnd.ecowin.seriesupdate	
application/vnd.lotus-1-2-3	
application/vnd.epson.msf	
application/vnd.uplanet.cacheop-wbxml	
application/vnd.uplanet.list-wbxml	
application/vnd.uplanet.listcmd-wbxml	
application/vnd.uplanet.channel-wbxml	
application/vnd.uplanet.bearer-choice-wbxml	
application/vnd.epson.quickanime	
application/vnd.commonspace	
application/vnd.fut-misnet	
application/vnd.xfdl	
application/vnd.ecowin.fileupdate	
application/vnd.epson.ssf	
application/vnd.uplanet.bearer-choice	
application/vnd.powerbuilder7	
application/vnd.powerbuilder7-s	
application/vnd.lotus-notes	
application/pkixcmp	
application/vnd.wap.wmlc	
application/vnd.wap.wmlscriptc	
application/vnd.motorola.flexsuite	
application/vnd.wap.wbxml	

application/vnd.motorola.flexsuite.wem	
application/vnd.intu.qfx	
application/vnd.is-xpr	
application/EDIFACT	
application/EDI-X12	

GlobalMimeTypeQualifierCode	
Value	Definition
application/EDI-Consent	
application/vnd.wrq-hp3000-labelled	
application/vnd.minisoft-hp3000-save	
application/vnd.ffsns	
application/vnd.hp-hps	
application/vnd.fujixerox.docuworks	
application/xml	
application/vnd.uplanet.alert-wbxml	
application/vnd.anser-web-certificate-issue-initiation	
application/vnd.uplanet.signal	
application/vnd.intu.qbo	
application/vnd.publishare-delta-tree	
application/vnd.cybank	
application/batch-SMTP	
application/vnd.uplanet.alert	
application/vnd.uplanet.cacheop	
application/vnd.uplanet.list	
application/vnd.uplanet.listcmd	
application/vnd.uplanet.channel	
application/vnd.hp-PCL	
application/vnd.anser-web-funds-transfer-initiation	
application/vnd.intertrust.digibox	
multipart/appledouble	

application/vnd.businessobjects	
application/vnd.meridian-slingshot	
application/vnd.xara	
application/sgml-open-catalog	
application/vnd.rapid	

GlobalMimeTypeQualifierCode	
Value	Definition
application/vnd.enliven	
application/vnd.japannet-registration-wakeup	
application/vnd.japannet-verification-wakeup	
application/set-registration	
application/vnd.japannet-directory-service	
application/set-registration-initiation	
application/vnd.intertrust.nncp	
application/prs.alvestrand.titraw-sheet	
application/vnd.noblenet-web	
multipart/signed	
multipart/voice-message	
multipart/report	
multipart/related	
multipart/form-data	
application/vnd.musician	
application/vnd.japannet-payment-wakeup	
application/vnd.ms-tnef	
application/sgml	
application/cals-1840	
application/pgp-encrypted	
application/pgp-signature	
application/pgp-keys	
application/vnd.framemaker	

application/vnd.mif	
application/vnd.ms-excel	
application/vnd.ms-powerpoint	
application/vnd.seemail	
application/vnd.ms-works	

GlobalMimeTypeQualifierCode	
Value	Definition
multipart/parallel	
application/vnd.svd	
application/vnd.music-niff	
application/vnd.ms-artgalry	
application/vnd.truedoc	
application/vnd.koan	
application/vnd.street-stream	
application/vnd.fdf	
application/set-payment-initiation	
application/set-payment	
application/vnd.ms-project	
application/vnd.shana.informed.package	
multipart/header-set	
text/sgml	
text/html	
text/tab-separated-values	
application/vnd.noblenet-sealer	
application/vnd.noblenet-directory	
application/prs.nprend	
application/vnd.webturbo	
application/hyperstudio	
text/vnd.latex-z	
application/vnd.shana.informed.formdata	

text/vnd.fmi.flexstor	
application/vnd.shana.informed.interchange	
application/vnd.\$commerce_battelle	
application/vnd.osa.netdeploy	
application/vnd.ibm.Minipay	

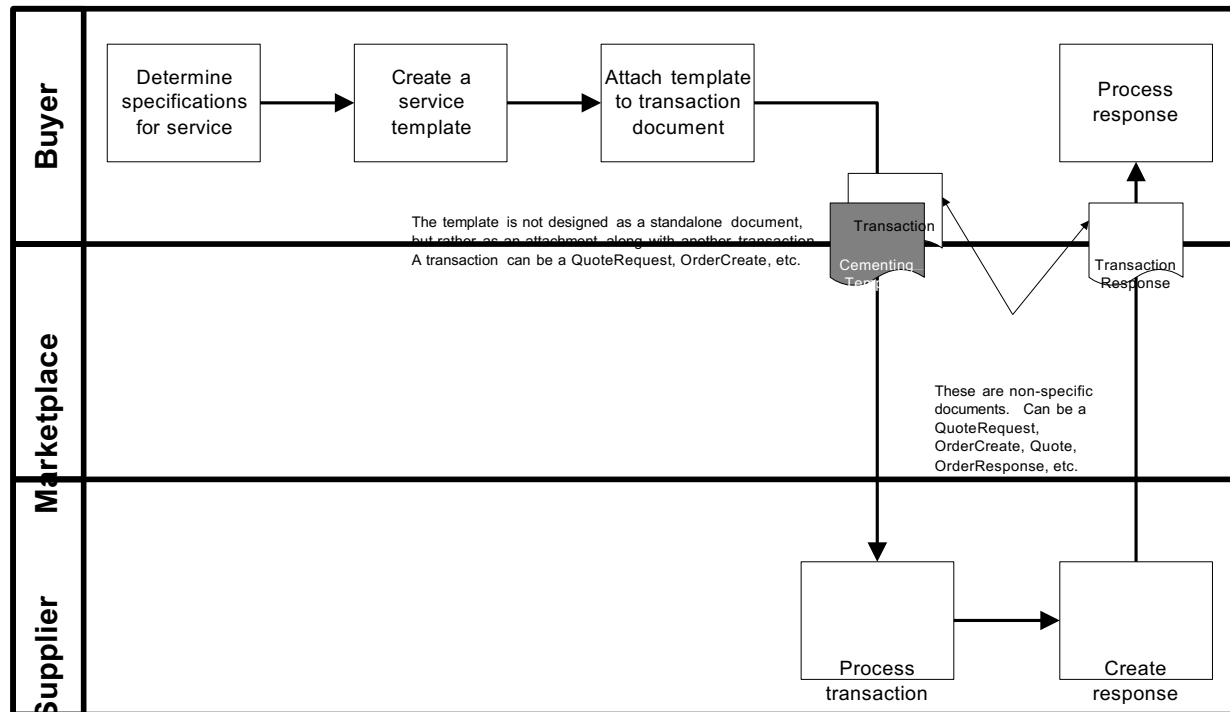
GlobalMimeTypeQualifierCode	
Value	Definition
application/vnd.japannet-jpnstore-wakeup	
application/vnd.japannet-setstore-wakeup	
application/vnd.japannet-verification	
application/vnd.japannet-registration	
application/vnd.hp-HPGL	
application/x400-bp	
application/vnd.shana.informed.formtemplate	
text/calendar	
multipart/digest	
multipart/alternative	
multipart/mixed	
text/vnd.fly	
text/vnd.motorola.reflex	
text/vnd.wap.wml	
application/vnd.hp-PCLXL	
text/directory	
text/vnd.in3d.3dml	
text/uri-list	
text/vnd.wap.wmlscript	
text/rfc822-headers	
text/rtf	
text/prs.lines.tag	
text/vnd.in3d.spot	

text/css	
text/xml	
text/vnd.abc	

Appendix G: Cementing Template

Business Process Diagram

Below is the Business Process Diagram for the Cementing Template document. This is not the only method in which a template can be processed, however, it represents a primary process. Third parties, including a Marketplace, may be involved if necessary.



Process Model - A Buyer determines that a service is necessary and makes a decision to create a request for quote or an order. The Buyer determines the specifications for the service and completes a Cementing Template. The template is sent along with the transaction document (QuoteRequest, OrderCreate, etc.). The Seller processes the transaction and creates a response. The response is sent to the Buyer.

The Cementing Template document is used to provide detailed information specific to a cementing service to a Seller. The template was designed to be an attachment to another transaction, rather than as a standalone document.

Legend to Tables

The following tables detail the elements and attributes that make up the Cementing Template. The legend below provides guidance to understanding the element tables. The legend is an example only and is not part of the document standard data.

Telephone ¹

A collection of elements detailing information about a telephone number. ²

³ note					
level	OrderCreateProperties OrderCreateDetails	⁴			
children	<p>Name ⁵</p> <p>PhoneNumber ⁶</p> <p>A numerical sequence to reach a telephone attached to a communication network.</p> <p>PhoneNumberExtension</p> <p>An extension number that is needed to further identify the phone number.</p> <p>TelecomCountryCode</p> <p>The dialing code from another country to access the telephone network in another country.</p> <p>TelecomAreaCode</p> <p>The area code within a country or jurisdiction, if needed, to access local telephones within the country.</p>		<p>Type ⁷</p> <p>string ⁸</p> <p>string</p> <p>string</p> <p>string</p>	<p>Use</p> <p>M</p> <p>O</p> <p>O</p> <p>O</p>	<p>Max</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
parent(s)	ContactInformation	⁹			
attributes	<p>Name ¹⁰</p> <p>telephoneIndicator ¹¹ ¹⁴ ¹²</p> <p>A code to indicate the type of phone number being given.</p> <p>Fax <input type="checkbox"/> Mobile</p> <p>Pager <input type="checkbox"/> Voice</p> <p>Other <input type="checkbox"/></p>		<p>Type ¹³</p> <p>string</p>	<p>Use</p> <p>O</p>	<p>Fixed</p>

Legend

1	The name of the element.
2	The definition of the element.
3	Contains any business rules or comments about the element
4	Identifies whether or not the element is under the Property, Detail, or Summary level of the document
5	Contains the name of the child elements and their definitions. Those elements in blue are links to the element specification. Only those elements that contain children or attributes are hyperlinked.
6	Indicates the data type of the element.
7	Indicates whether the element is mandatory (M) or optional (O).
8	Indicates whether the element can have a maximum of one occurrence (1) or unbounded multiple occurrences (U)
9	Indicates the parent element of the element.
10	Contains the name of any attributes and their definitions.

11	Indicates the data type of the attribute. If the type is blank, then the element contains children rather than data.
12	Indicates whether the attribute is mandatory (M) or optional (O).
13	Provides a fixed value for the attribute.
14	The shaded areas provide either code list values, rules, or notes about the child element or attribute.

The document, its properties, details, line item, sub-line item, and summary elements are presented first. They are followed by an alphabetical listing of those elements used in the document and have children or attributes.

Document Detail

CementingTemplate

The root element of the Cementing Template message. It is used to provide specifications for a cementing job.

note				
children	Name	Type	Use	Max
	TemplateProperties		M	1
	A collection of elements defining the template "meta-data" or "common data".			
	CementingTemplateDetail		M	1
	A collection of elements providing the detail of the cementing service.			

TemplateProperties

A collection of elements defining the template "meta-data" or "common data".

note				
children	Name	Type	Use	Max
	TemplateNumber	string	M	1
	A number which uniquely identifies the template.			
	TemplateIssuedDate	date	M	1
	The date upon which the template was created or issued.			
	CommodityCode	string	M	1
	A code indicating the categorization of a product or service in accordance with a particular standard.			
	ReferenceInformation		O	U
	A collection of elements detailing references to information that reside outside of the current transaction message.			
	ResponseDate	date	O	1
	The date upon which a response to the template is made.			
parent(s)	CementingTemplate			

CementingTemplateDetail

A collection of elements providing the detail of the cementing service.

note		Type	Use	Max						
children	<p>Name</p> <p>JobType A code indicating the type of job being performed.</p> <table border="1"> <tr> <td>ConductorCasing</td> <td>Intermediate</td> </tr> <tr> <td>Liner</td> <td>Production</td> </tr> <tr> <td>SurfaceCasing</td> <td>Other</td> </tr> </table> <p>WellDetail</p> <p>A collection of elements containing details about a well.</p> <p>CasingInformation</p> <p>A collection of elements containing information about casing.</p> <p>BargeRequiredFlag</p> <p>A flag indicating whether a barge is required. It assists in determining truck or skid equipment.</p> <p>JobDescription</p> <p>A free-form textual description of the job.</p> <p>OneWayMileage</p> <p>The measurement and unit of measure for the mileage from the service point to dock or location.</p> <p>MudDetail</p> <p>A collection of elements that contain information about mud.</p> <p>CementDetail</p> <p>A collection of elements providing detail about cement.</p> <p>Comment</p> <p>A free-form textual structure for general information or comments.</p>	ConductorCasing	Intermediate	Liner	Production	SurfaceCasing	Other			
ConductorCasing	Intermediate									
Liner	Production									
SurfaceCasing	Other									
			M	1						
			M	1						
		boolean	O	1						
		string	O	1						
			O	1						
			O	1						
		string	O	1						
parent(s)	CementingTemplate									

BottomHoleCirculationTemperature

The measurement and unit of measure for the circulation temperature of the well as determine by the customer.

note		Type	Use	Max
children	<p>Name</p> <p>Measurement A numeric value for technical or attribute data.</p> <p>UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.</p>			
		decimal	M	1
		string	M	1

parent(s)	WellDetail
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BottomHoleStaticTemperature

The measurement and unit of measure for the static temperature of the well as determine by the customer.

children	Name	Type	Use	Max
	Measurement A numeric value for technical or attribute data.	decimal	M	1

	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.			
parent(s)	WellDetail			

CasingInformation

A collection of elements containing information about casing.

note		Type	Use	Max
children	Name			
	CasingSize		M	1
	The measurement and unit of measure for the size of a casing.			
	CasingGrade	string	O	1
	The grade of the casing. An grade or other.			
	CasingWeight		O	1
	The measurement and unit of measure for the document weight of a linear unit of casing with or without a collar.			
	PreviousCasingSize		O	1
parent(s)	The measurement and unit of measure for the diameter of the previous casing.			
	PreviousCasingWeight		O	1
	The measurement and unit of measure for the document weight of a linear unit of casing with or without a collar.			
	PreviousCasingMeasureDepth		O	1
	The measurement and unit of measure for the depth of the previous casing.			
	PreviousCasingTrueVerticalDepth		O	1
The measurement and unit of measure for the true vertical depth of the previous casing.				
	CementingTemplateDetail			

CasingSize

The measurement and unit of measure for the size of a casing.

note		Type	Use	Max
children	Name			
	Measurement	decimal	M	1
	A numeric value for technical or attribute data.			
parent(s)	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.			
	CasingInformation			

CasingWeight

The measurement and unit of measure for the document weight of a linear unit of casing with or without a collar.

note	

	Name	Type	Use	Max
children	Measurement A numeric value for technical or attribute data.	decimal	M	1
	UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.	string	M	1
parent(s)	CasingInformation			

CementAboveLiner

The measurement and unit of measure for the height of cement above the liner.

note		Type	Use	Max
children	Name			
	Measurement A numeric value for technical or attribute data.	decimal	M	1
	UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.	string	M	1
parent(s)	CementDetail			

CementDetail

A collection of elements providing detail about cement.

note		Type	Use	Max
children	Name			
	PreflushSpaceDensity The measurement and unit of measure for the density of the substance.		O	1
	DesiredPreflushSpacer An indicator of the type of preflush spacer desired.	string	O	1
	None Preflush			
	Flush Spacer			
	Description A free-form textual explanation or clarification.	string	O	1
	PercentExcess The excess cement divided by the calculated volume, expressed as a percentage.	decimal	O	1
	Lead A collection of elements that contain information relating to the tail.		O	1
	Tail A collection of elements that contain information relating to the tail.		O	1
	CementTopNominal The measurement and unit of measure for the expected top of cement after job.		O	1
	CementHeight The measurement and unit of measure for the expected height of cement after the job.		O	1
	CementAboveLiner The measurement and unit of measure for the height of cement above the liner.		O	1
	parent(s)	CementingTemplateDetail		

CementHeight

The measurement and unit of measure for the expected height of cement after the job.

note		Type	Use	Max
children	Name			
	Measurement A numeric value for technical or attribute data.	decimal	M	1
	UnitOfMeasureCode A code identifying the units in which measurement is expressed.	string	M	1

Use values from the DE 355 code list contained in ASC X12 release 3030.

pareM(s) [G>m>otQetai'](#)

CementTopNominal

The measurement and unit of measure for the expected top of cement after job.

note				
children	Name	Type	Use	Max
	Measurement	decimal	M	1
	A numeric value for technical or attribute data.			
	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed.			
	Use values from the DE 355 code list contained in ASC X12 release 3030.			
parent(s)	CementDetail			

CommodityCode

A code indicating the categorization of a product or service in accordance with a particular standard.

note				
parent(s)	TemplateProperties			
attributes	Name	Type	Use	Fixed
	agencyIndicator	string	O	
	A code indicating what agency or organization is responsible for defining the commodity code list.			

DesiredFill

The measurement and unit of measure for the desired amount of fill.

note				
children	Name	Type	Use	Max
	Measurement	decimal	M	1
	A numeric value for technical or attribute data.			
	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed.			
	Use values from the DE 355 code list contained in ASC X12 release 3030.			
parent(s)	Lead Tail			

Lead

A collection of elements that contain information relating to the tail.

note				
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	Name	Type	Use	Max
children	PercentExcess	decimal	0	1
	The excess cement divided by the calculated volume, expressed as a percentage.			
	DesiredFill		0	1
	The measurement and unit of measure for the desired amount of fill.			
	CementDescription	string	0	1
	A free-form textual description of the cement used.			
parent(s)	CementDetail			

LinerTopDepth

The measurement and unit of measure for the depth of the liner top.

note				
children	Name	Type	Use	Max
	Measurement	decimal	M	1
	A numeric value for technical or attribute data.			
	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed.			
	Use values from the DE 355 code list contained in ASC X12 release 3030.			
parent(s)	CementDetail			

MudDetail

A collection of elements that contain information about mud.

note				
children	Name	Type	Use	Max
	MudType	string	O	1
	An indicator of the type of mud being used.			
	MudWeight		O	1
	The measurement and unit of measure for the weight of the mud.			
parent(s)	CementingTemplateDetail			

MudWeight

The measurement and unit of measure for the weight of the mud.

note				
children	Name	Type	Use	Max
	Measurement	decimal	M	1
	A numeric value for technical or attribute data.			
	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed.			
	Use values from the DE 355 code list contained in ASC X12 release 3030.			
parent(s)	MudDetail			

OneWayMileage

The measurement and unit of measure for the mileage from the service point to dock or location.

note				

	Name	Type	Use	Max
children	Measurement A numeric value for technical or attribute data.	string	M	1
	UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.	string	M	1
parent(s)	CementingTemplateDetail			

OpenHoleSize

The measurement and unit of measure for the diameter of the hole.

note				
children	Name	Type	Use	Max
	Measurement	string	M	1
	A numeric value for technical or attribute data.			
	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed.			
	Use values from the DE 355 code list contained in ASC X12 release 3030.			
parent(s)	WellDetail			

PreflushSpaceDensity

The measurement and unit of measure for the density of the substance.

note				
children	Name	Type	Use	Max
	Measurement	string	M	1
	A numeric value for technical or attribute data.			
	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed.			
	Use values from the DE 355 code list contained in ASC X12 release 3030.			
parent(s)	CementDetail			

PreviousCasingMeasureDepth

The measurement and unit of measure for the depth of the previous casing.

note				
children	Name	Type	Use	Max
	Measurement	decimal	M	1
	A numeric value for technical or attribute data.			
	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed.			
	Use values from the DE 355 code list contained in ASC X12 release 3030.			
parent(s)	CasingInformation			

PreviousCasingSize

The measurement and unit of measure for the diameter of the previous casing.

note				

children	Name	Type	Use	Max
	Measurement A numeric value for technical or attribute data.	decimal	M	1
parent(s)	UnitOfMeasureCode A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.	string	M	1
	CasingInformation			

PreviousCasingTrueVerticalDepth

The measurement and unit of measure for the true vertical depth of the previous casing.

note		Type	Use	Max
children	Name			
	Measurement	decimal	M	1
	A numeric value for technical or attribute data.			
	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed.			
	Use values from the DE 355 code list contained in ASC X12 release 3030.			
parent(s)	CasingInformation			

PreviousCasingWeight

The measurement and unit of measure for the document weight of a linear unit of casing with or without a collar.

note		Type	Use	Max
children	Name			
	Measurement	decimal	M	1
	A numeric value for technical or attribute data.			
	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed.			
	Use values from the DE 355 code list contained in ASC X12 release 3030.			
parent(s)	CasingInformation			

ReferenceInformation

A collection of elements detailing references to information that reside outside of the current transaction message.

note		Type	Use	Max
children	Name			
	ReferenceNumber A number or identifier that is used to reference documents or information not included within a particular message. The referenceInformationIndicator attribute qualifies what this number references	string	M	1
	Description A free-form textual explanation or clarification.	string	O	1
parent(s)	TemplateProperties			
attributes	Name	Type	Use	Fixed
	referenceInformationIndicator A code to identify what type of information is being referenced.	string	M	
	AFENumber	BatchNumber		
	BillOfLading	Certification		
	CertifiedInspectionTestResults			
	ConfigurationNumber			
	ContractNumber			
	CostAllocationReference	CostCenter		
	CustomerAccountingReference			
	CustomerReferenceNumber			
	DeliveryTicketNumber			
	DivisionIdentifier			
	EngineeringChangeOrderNumber	JobNumber		
	LetterOfCreditNumber			
	LocationNumber			
	MaterialSafetyDataSheet			
	OperatorGeneralLedgerCode			
	OriginalInvoiceNumber			
	PriceAreaNumber	ProjectNumber		
	ProposalNumber	QuoteNumber		
	RequestForQuotationNumber			
	TemplateName	Other		

ShoeJointLength

The measurement and unit of measure of the length of a shoe joint.

note		Type	Use	Max
children	Name Measurement	decimal	M	1
	A numeric value for technical or attribute data.			
	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed. Use values from the DE 355 code list contained in ASC X12 release 3030.			

parent(s) | [W>!!P?tajl](#)

Tail

A collection of elements that contain information relating to the tail.

note		Type	Use	Max
children	Name			
	PercentExcess	decimal	O	1
	The excess cement divided by the calculated volume, expressed as a percentage.			
children	DesiredFill		O	1
	The measurement and unit of measure for the desired amount of fill.			
	CementDescription	string	O	1
	A free-form textual description of the cement used.			
parent(s)	CementDetail			

TotalDepth

The measurement and unit of measure for the proposed or actual depth the well is drilled or based for services.

note		Type	Use	Max
children	Name			
	Measurement	decimal	M	1
	A numeric value for technical or attribute data.			
children	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed.			
	Use values from the DE 355 code list contained in ASC X12 release 3030.			
parent(s)	WellDetail			

WaterDepthNominal

The measurement and unit of measure for the depth from sea level to ocean floor at mean tide.

note		Type	Use	Max
children	Name			
	Measurement	decimal	M	1
	A numeric value for technical or attribute data.			
children	UnitOfMeasureCode	string	M	1
	A code identifying the units in which measurement is expressed.			
	Use values from the DE 355 code list contained in ASC X12 release 3030.			
parent(s)	WellDetail			

WellDetail

A collection of elements containing details about a well.

note	Name	Type	Use	Max	
children	TotalDepth		M	1	
	The measurement and unit of measure for the proposed or actual depth the well is drilled or based for services.				
	OpenHoleSize		M	1	
	The measurement and unit of measure for the diameter of the hole.				
	ShoeJointLength		O	1	
	The measurement and unit of measure of the length of a shoe joint.				
	BottomHoleStaticTemperature		O	1	
	The measurement and unit of measure for the static temperature of the well as determine by the customer.				
	LinerTopDepth		O	1	
	The measurement and unit of measure for the depth of the liner top.				
parent(s)	WaterDepthNominal		O	1	
	The measurement and unit of measure for the depth from sea level to ocean floor at mean tide.				
	BottomHoleCirculationTemperature		O	1	
	The measurement and unit of measure for the circulation temperature of the well as determine by the customer.				
	H2SinHoleFlag	Boolean	O	1	
	Flag indicating the presence of hydrogen sulfide in a hole.				
	PercentH2SinHole	decimal	O	1	
	The percentage of hydrogen sulfide present in the hole.				
	CementingTemplateDetail				

Appendix H: Glossary

Term	Definition
CIDX	Chemical Industry Data Exchange. A chemical industry consortium focused on standardizing data communications among the chemical industry companies. CIDX has published the Chem eStandards which define DTD XML formats for forty-four business transactions. Web site: www.cidx.org
Component Library	Reusable PIDX XML Schema components are stored in an XML Schema named PIDXlib.xsd. PIDXlib.xsd is the component library.
Com.Pro.Serv.	Complex Products and Services Task Group. Project team sanctioned by the Petroleum Industry Data eXchange (PIDX) Task Group, Purchasing User Group and Standards Subcommittee.
Document Type Declaration	A statement within an XML Schema that identifies a DTD that can be used for XML instance document validation. Never abbreviated DTD. <!DOCTYPE <i>name-of-root-element</i> SYSTEM " <i>URL -of-the-external-DTD</i> " [<i>internal DTD subset</i>]
Document Type Definition	A text-related schema language that may be used to define XML instance (data) files. May be abbreviated <i>DTD</i> .
DTD	Please see <i>Document Type Definition</i> .
EDI	Please see <i>Electronic Data Interchange</i> .
Electronic Data Interchange	The American National Standards Institute (ANSI) chartered the Accredited Standards Committee (ASC) X12 to develop uniform standards for inter-industry electronic interchange of business transactions -- <i>Electronic Data Interchange (EDI)</i> . ANSI X.12 Electronic Data Interchange (EDI) standards define the data formats that allow companies to exchange business data electronically. Web site: www.x12.org
Extensible Markup Language	<i>Extensible Markup Language (XML)</i> is a standard for defining data using data tags and other markup constructs. <i>XML</i> allows the user to define tags in addition to predefined tags. The base specifications are XML 1.0, W3C Recommendation Feb '98, and Namespaces, Jan '99.

The XML standards is maintained by the *World Wide Web Consortium*. The base

specifications are XML 1.0 Second Edition, W3C

Recommendation 6 October 2000 (web site: www.w3.org/TR/2000/REC-xml-20001006), and Namespaces, 14 January 1999 (web site: www.w3.org/TR/1999/REC-xml-names-19990114/)

Information Item

XML element or attribute

Instance Document

An *XML* data document that conforms to the *W3C XML* standard.

Term	Definition
Petroleum Industry Data eXchange	An organization sanctioned by promote and facilitate the exchange of electronic data within the petroleum industry.
PIDX	Please see <i>Petroleum Industry Data eXchange</i>
RosettaNet	RosettaNet is an electronic data exchange standards body that focuses on the high technology, electronics manufacturing industry. It seeks to establish a common data and process model for B2B interaction among semiconductor, electronic components, and information technology manufacturers, suppliers, and distributors.
RosettaNet Implementation Framework	A RosettaNet specification standard that describes the mechanisms for packaging and transporting XML instance (data) documents. <i>RNIF</i>
Reusable Components	XML information items in the PIDXLib.xsd XML Schema that are used in multiple XML Schemas.
RNIF	Please see <i>RosettaNet Implementation Framework</i> .
Service Content	The XML instance (data) document within an RNIF message. The Service Content is a MIME part of a MIME multipart/related document.
Transport, Routing, and Packaging	The PIDX implementation of the <i>RosettaNet Implementation Framework 2.0 (RNIF 2.0)</i> standard.
TRP	Please see <i>Transport, Routing, and Packaging</i>
Validation	The process of comparing an XML instance (data) document to an XML Schema.
World Wide Web Consortium	The World Wide Web Consortium (<i>W3C</i>) has developed more than 35 technical specification for the Web's infrastructure. These standards include standards for XML and XML Schemas. Web Site: www.w3c.org
W3C	Please see the <i>World Wide Web Consortium</i> .
XML Schema	The XML Schema as defined by the May 2, 2001 XML Schema Recommendation published by the W3C.

<http://www.w3.org/TR/2001/REC-xmlschema-0-20010502/>

<http://www.w3.org/TR/2001/REC-xmlschema-1-20010502/>

<http://www.w3.org/TR/2001/REC-xmlschema-2-20010502/>

XML

Please see *Extensible Markup Language*.