



PIDX v1.0 Schemas

Petroleum Industry Data eXchange (PIDX)

February 14, 2002

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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

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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

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

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
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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
MIME-version		"1.0"

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		"sha1"

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
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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		<p>"Yes" - The next hub must transmit this message securely</p> <p>"No" - The next hub does not need to transmit this message securely</p>
DateTimeStamp		<p>The date and time of the message. The timestamp must be as close to the time of the first attempt as possible.</p> <p>The RNIF 2.0 format is CCYYMMDDTHHMMSS.000Z. This is not the standard XMLSchema dateTime datatype.</p>
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
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 is used for subsequent signals.</p>

4.10.3 Service Header for Business Action Message

Service Header Data Element	Decision Made	PIDX Implementation
BusinessActivityIdentifier (under ActivityControl)		<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>
GlobalPartnerRoleClassificationCode (Under ProcessControl, ActivityControl, MessageControl, fromRole)		<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
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 asynchronous 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> <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>
FreeFormText (Under ProcessControl, ActivityControl, MessageControl, inReplyTo, ActionControl, ActionIdentity. messageStandard)		<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>
VersionIdentifier (Under ProcessControl, ActivityControl, MessageControl, inReplyTo, ActionControl, ActionIdentity. standardVersion)		<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>

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.
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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"</p> <p>"application/msword"</p> <p>"application/pdf"</p> <p>"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.
GlobalBusinessServiceCode (Under ProcessControl, ActivityControl, MessageControl, toService)		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. See Appendix C GlobalBusinessServiceCode Values for RosettaNet standard values. Note: This data element is used for application level process automation – therefore PIDX can define additional values here or in its PIP descriptions.

GlobalUsageCode (Under ProcessControl)		"Test" "Production"
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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><tr><td>FieldTicket</td><td>"P11"</td></tr><tr><td>FieldTicketResponse</td><td>"P12"</td></tr><tr><td>Invoice</td><td>"P21"</td></tr><tr><td>InvoiceResponse</td><td>"P22"</td></tr><tr><td>OrderChange</td><td>"P32"</td></tr><tr><td>OrderCreate</td><td>"P31"</td></tr><tr><td>OrderResponse</td><td>"P33"</td></tr><tr><td>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"
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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)		<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, 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"
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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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OriginalMessageDigest (under NonRepudiationInformation)		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.
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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
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"
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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.
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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
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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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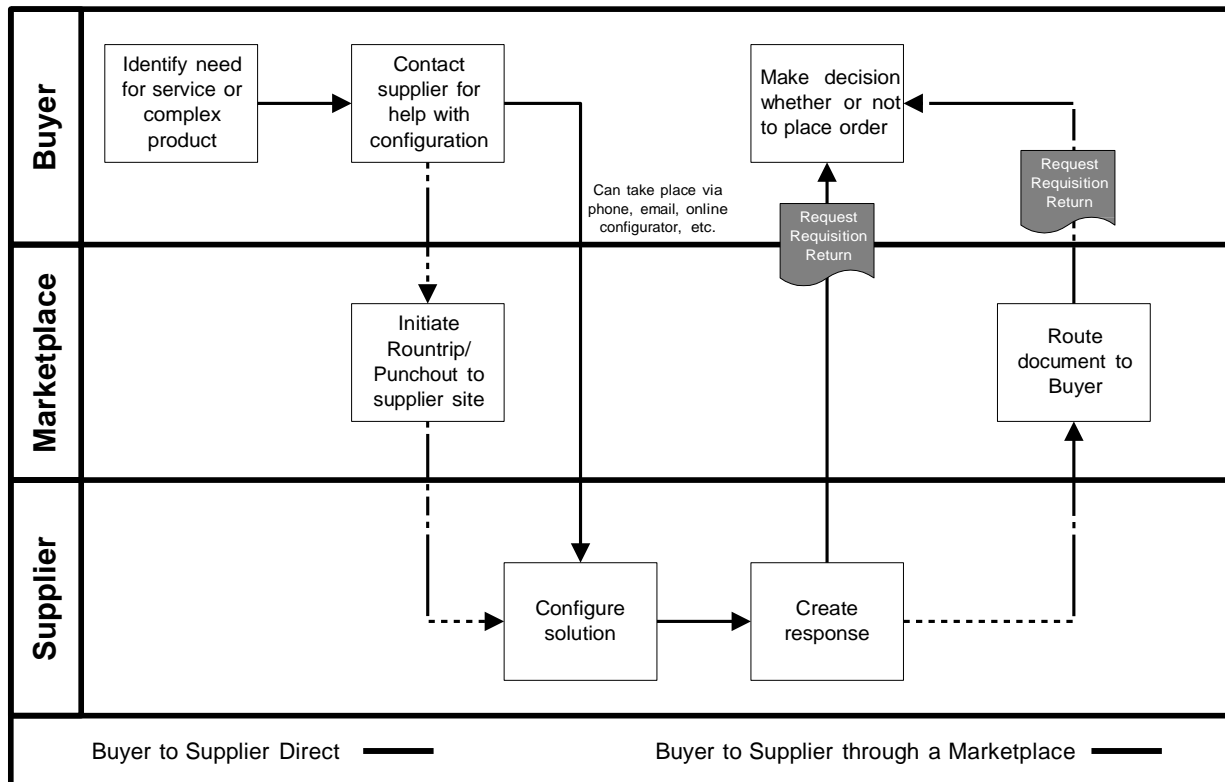
<p>GlobalMessageExceptionCode (under ExceptionDescription, errorClassification)</p>		<p>"UNP.MESG.SIGNERR" Error during unpackaging – Verifying the signature of the RosettaNet Business Message</p> <p>"UNP.PRMB.READERR" Error during unpackaging – Reading the Preamble</p> <p>"UNP.PRMB.VALERR" Error during 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

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 string string string string	Type Use Max	M O O O	1 1 1 1
	parent(s)	ContactInformation				
	attributes	10 Name telephoneIndicator A code to indicate the type of phone number being given. Fax Mobile Pager Voice Other	11 14 12 string	Type Use Fixed	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.

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				
children	Name	Type	Use	Max
	RequestRequisitionReturnProperties		M	1
	A collection of elements defining the request requisition return "meta-data" or "common data".			
	RequestRequisitionReturnDetails		M	1
attributes	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.			
	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.			
parent(s)	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.			
children	Attachment		O	U
	A collection of elements defining the details of an attachment to the document.			
	Comment	string	O	1
parent(s)	A free-form textual structure for general information or comments.			
	RequestRequisitionReturn			

RequestRequisitionReturnDetails

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

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

RequestRequisitionReturnLineItem

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

note				
children	Name	Type	Use	Max
	LineItemNumber	string	M	1
	A sequential individual line identifier within a document containing service or item information.			
	<u>LineItemInformation</u>		M	1
	A collection of elements detailing identifying information about a line item.			
	<u>RequestRequisitionReturnQuantity</u>		M	1
	The number of units of an item or service recommended.			
	<u>Pricing</u>		O	1
	A collection of elements detailing price information.			
	<u>CommodityCode</u>	string	O	U
	A code indicating the categorization of a product or service in accordance with a particular standard.			
	<u>PartnerInformation</u>		O	U
	A collection of elements detailing partner information.			
	<u>JobLocationInformation</u>		O	1
	A collection of elements giving details of a job location.			
	<u>Tax</u>		O	U
	A collection of elements detailing information about tax applied to a transaction.			
	<u>ShippingAmount</u>		O	1
	The monetary amount of shipping or freight charges.			
	<u>LineItemTotal</u>		O	1
The net total monetary amount for the line item.				
<u>ServiceDateTime</u>	datetime	O	U	
The actual and/or schedule dates for a service.				
<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.				
<u>RequestRequisitionReturnSubLineItem</u>		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)	<u>RequestRequisitionReturnDetails</u>			

RequestRequisitionReturnSubLineItem

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				
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.			
	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.				
parent(s)	RequestRequisitionReturnLineItem			

RequestRequisitionReturnSummary

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

note	
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children	Name	Type	Use	Max
	RequestRequisitionReturnTotal		M	1
	The total monetary amount of the Request Requisition Return.			
	TotalLineItems	integer	M	1
	The total number of line items contained in a message.			
	ShippingAmount		O	1
	The monetary amount of shipping or freight charges.			
	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	<p>Name</p> <p>POBoxNumber</p> <p>The identity of a physical box within a postal facility to accept and receive mail.</p> <p>BuildingHouseNumber</p> <p>The alphanumeric identifier of a building as a part of an address.</p> <p>StreetName</p> <p>The name of a street as part of an address.</p> <p>AddressLine</p> <p>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</p> <p>The name of the city or municipality.</p> <p>StateProvince</p> <p>The name of the municipality or town as a location for mailing, siting and other geographic functions.</p> <p>PostalCode</p> <p>The code assigned by local postal authorities to delivery addresses.</p> <p>PostalCountry</p> <p>The country code indicating the country to which mail should be delivered.</p> <p>CountyName</p> <p>The name of the county.</p> <p>LocationIdentifier</p> <p>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>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> <p>1</p>
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 Code
	email
	Telex
	IX
	Other

Attachment

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

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

Block

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

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

CommodityCode

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

note	
level	RequestRequisitionReturnDetails
parent(s)	RequestRequisitionReturnLineItem RequestRequisitionReturnSubLineItem

attributes	Name	Type	Use	Fixed
	agencyIndicator A code indicating what agency or organization is responsible for defining the	string	O	

commodity code list.

ContactIdentifier

The identifier of the contact person or department.

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

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 ContactIdentifier The identifier of the contact person or department. ContactName The name of the contact person within the organization. ContactDescription A free-form textual description of the contact. Telephone A collection of elements detailing information about a telephone number. EmailAddress The address assigned to a person or organization to receive electronic messages. 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.	Type string string string string string	Use O O O O O	Max 1 1 1 U 1 U
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			

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	Representative
	Service Coordinator
	Technical/Marketing Representative
	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	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	
parent(s)	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.				
	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	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			

GPSCoordinates

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

note					
level	RequestRequisitionReturnProperties RequestRequisitionReturnDetails				

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

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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	Name 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	Type string	Use 0	Fixed

JobLocationInformation

A collection of elements giving details of a job location.

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

parent(s)	RequestRequisitionReturnLineItem RequestRequisitionReturnProperties RequestRequisitionReturnSubLineItem
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LineItemIdentifier

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

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

LineItemInformation

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

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

LineItemTotal

The net total monetary amount for the line item.

note				
level	RequestRequisitionReturnDetails			
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)	RequestRequisitionReturnLineItem RequestRequisitionReturnSubLineItem
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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 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	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 decimal string string	Use O O M O	Max 1 1 1 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 M O	Max 1 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	<p>Name</p> <p>QuoteRequestNumber</p> <p>A unique identifier for a Quote Request message.</p> <p>QuoteRequestDate</p> <p>The date upon which a request was created or deemed to have been issued.</p> <p>Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.</p> <p>RevisionNumber</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>	<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)	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 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.	Type string string	Use M O	Max 1 1
parent(s)	RequestRequisitionReturnLineItem RequestRequisitionReturnProperties RequestRequisitionReturnSubLineItem			
attributes	Name referenceInformationIndicator 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	Type string	Use M	Fixed

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

ShippingAmount

The monetary amount of shipping or freight charges.

note				
level	RequestRequisitionReturnDetails RequestRequisitionReturnSummary			
children	<p>Name</p> <p>MonetaryAmount</p> <p>The currency value of a transaction or item.</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>	<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)	RequestRequisitionReturnLineItem RequestRequisitionReturnSubLineItem RequestRequisitionReturnSummary
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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	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 theodelist from ISO 4217:2001 Codes for the representation of currencies and funds.			
parent(s)	RequestRequisitionReturnSummary			
attributes	Name	Type	Use	Fixed
	subTotalIndicator	string	M	
	A code to indicate the type of subtotal being given.			
	Equipment			
	Labor			
	Materials			
	Other			

Tax

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

[illegible]

parent(s)	RequestRequisitionReturnLineItem RequestRequisitionReturnSubLineItem RequestRequisitionReturnSummary
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TaxAmount

The monetary amount of the tax.

note				
level	RequestRequisitionReturnDetails RequestRequisitionReturnSummary			
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)	Tax			

TaxBasisAmount

The monetary amount which is subject to tax.

note				
level	RequestRequisitionReturnDetails RequestRequisitionReturnSummary			
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)	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	O	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	O	1
	TaxCertificateType The category of tax certificate for which an identifying number is issued.	string	O	1
	TaxCertificateNumber The identifying number for a tax certificate such as tax exemption, sales and use tax certificate or other such document.	string	O	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.			
	LocationDescription	string	O	1
	Free-form textual description of the location.			
	AddressInformation		O	1
parent(s)	A collection of elements defining the details of an address.			
	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.			
	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.			
	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			
	UWINumber			
	Other			

WellInformation

A collection of elements detailing information about a well.

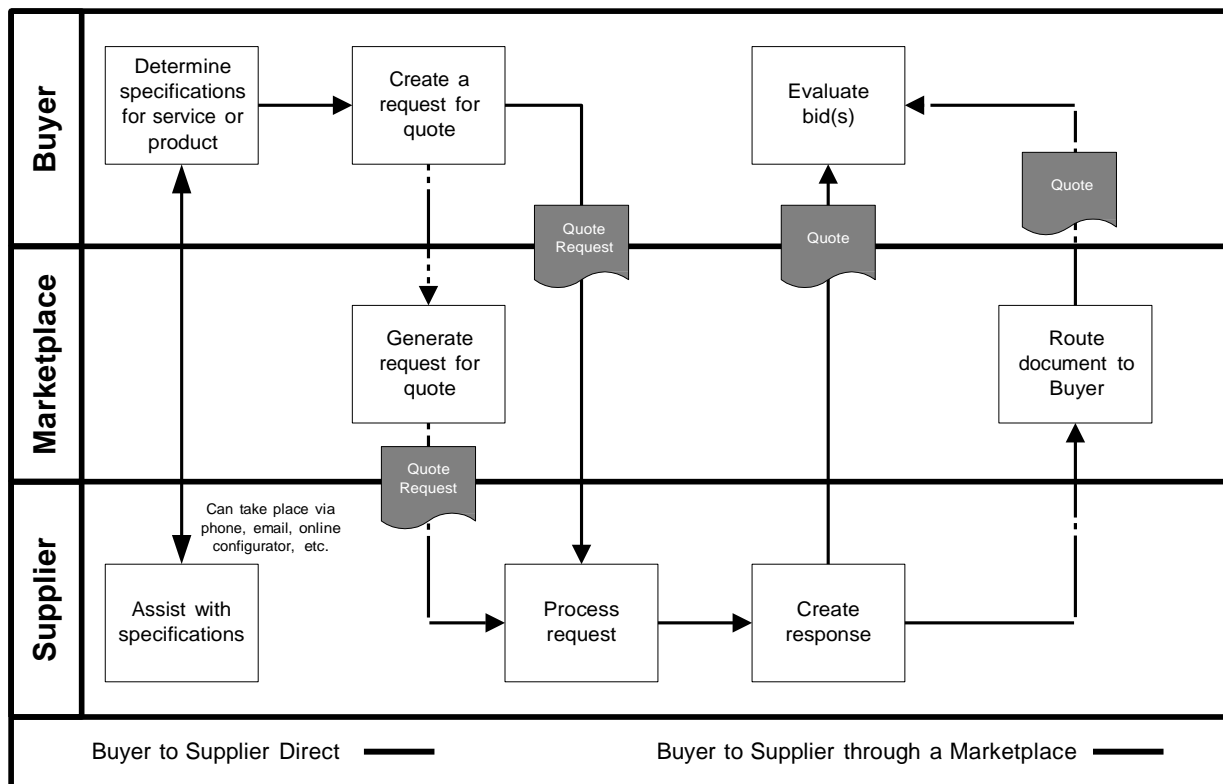
note	
level	RequestRequisitionReturnProperties RequestRequisitionReturnDetails RequestRequisitionReturnSummary

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>			

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

A collection of elements detailing information about a telephone number.

3	note						
	level	OrderCreateProperties OrderCreateDetails					
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.	6	7	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. Fax Mobile Pager Voice Other	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.

6.3 Document Detail

QuoteRequest

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

note				
children	Name	Type	Use	Max
	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	
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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
	PartnerInformation A collection of elements detailing partner information.		M	U
	ResultingOrderType 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
	RequestQuoteResponse 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			
	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 theodelist 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 collection of elements detailing how product is transported.		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 the current transaction message.		O	U
	Attachment		O	U

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

QuoteRequestDetails

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

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

QuoteRequestLineItem

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

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.			
	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.			

	Q!MPBMITPS'SthjQ""!t M0U
	Acollection of elements defining the details of the sub line items of a quote». t is used if a line item needs to be broken down into tuther detail.
parent(s)	QuoteRequestl.ineltem

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				
children	Name	Type	Use	Max
	SubLineItemNumber	string	M	1
	The sub-line item number relating to the primary line item referenced in the message.			
	<u>LineItemInformation</u>		M	1
	A collection of elements detailing identifying information about a line item.			
	<u>OrderQuantity</u>		M	1
	The number of units of an item or service ordered.			
	<u>CommodityCode</u>		O	U
	A code indicating the categorization of a product or service in accordance with a particular standard.			
	<u>PartnerInformation</u>		O	U
	A collection of elements detailing partner information.			
	<u>JobLocationInformation</u>		O	1
	A collection of elements giving details of a job location.			
	<u>AllowanceOrCharge</u>		O	U
	A collection of elements defining the details of an allowance or charge to the customer.			
	<u>Tax</u>		O	U
	A collection of elements detailing information about tax applied to a transaction.			
	<u>ServiceDateTime</u>	datetime	O	U
	The actual and/or schedule dates for a service.			
	<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 collection of elements detailing how product is transported.			
	<u>SpecialInstructions</u>	string	O	U
	A free-form textual description of special requirements.			
	<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>QuoteRequestLineItem</u>			

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.			

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AddressInformation

A collection of elements defining the details of an address.

note				
level	QuoteRequestProperties QuoteRequestDetails			
children	<p>Name</p> <p>POBoxNumber</p> <p>The identity of a physical box within a postal facility to accept and receive mail.</p> <p>BuildingHouseNumber</p> <p>The alphanumeric identifier of a building as a part of an address.</p> <p>StreetName</p> <p>The name of a street as part of an address.</p> <p>AddressLine</p> <p>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</p> <p>The name of the city or municipality.</p> <p>StateProvince</p> <p>The name of the municipality or town as a location for mailing, siting and other geographic functions.</p> <p>PostalCode</p> <p>The code assigned by local postal authorities to delivery addresses.</p> <p>PostalCountry</p> <p>The country code indicating the country to which mail should be delivered.</p> <p>CountyName</p> <p>The name of the county.</p> <p>LocationIdentifier</p> <p>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>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	QuoteRequestDetails			
children	Name	Type	Use	Max
	AllowanceOrChargeTotalAmount		O	1
	The total monetary amount for the allowance or charge.			
	AllowanceOrChargeRate		O	1
	The rate per unit of the allowance or charge.			
	AllowanceOrChargePercent	decimal	O	1
	The allowance or charge expressed as a percentage.			
	AllowanceOrChargeNumber	string	O	1
	The identifier assigned by a vendor referencing an allowance, promotion, deal or charge.			
	AllowanceOrChargeTypeCode	string	O	1
	A code identifying the kind of allowance or charge being described.			
	Freight			
	FuelSurcharge			
	SpecialHandlingService			
	Discount			
	FlatRate			
	EngineeringCharge			
	InvoiceAdjustment			
	InsuranceSurcharge			
	OneTimeLicenseFee			
	Royalties			
	MiscellaneousCharge			
	PostageCharge			
	TrailerRentalCharge			
	TransportationDirectBilling			
	TransportationVendorProvided			
	Other			
	MethodOfHandlingCode	string	O	1
	A code which describes how a particular allowance or charge should be handled.			
	OffInvoice			
	ChargeToBePaidByCustomer			
	Other			
	AllowanceOrChargeDescription	string	O	1
	A free form description used to clarify the related allowance and charge data elements and their content.			
	AllowanceOrChargeQuantity		O	1
	The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.			

parent(s)	QuoteRequestLineItem QuoteRequestSubLineItem
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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	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				
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			

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

Attachment

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

note				
level	QuoteRequestProperties QuoteRequestDetails			
children	Name AttachmentPurposeCode A code to indicate the purpose of the attachment. Template Other FileName The name of the file in an attachment. AttachmentTitle The title of the attachment. AttachmentDescription A free-form textual description of the attachment. FileType The type of the file in an attachment. AttachmentLocation The location of the attachment, such as a URL.	Type string string string string string string	Use O O O O O O	Max 1 1 1 1 1 1

parent(s)	QuoteRequestLineItem QuoteRequestProperties QuoteRequestSubLineItem
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Block

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

note					
level	QuoteRequestProperties QuoteRequestDetails				
children	Name BlockName The name of the block, which identifies a location. OCSGNumber The Outer Continental Shelf Gulf number. StateLease Lease on state land.	Type string string string	Use O O O	Max 1 1 1	
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 agencyIndicator A code indicating what agency or organization is responsible for defining the commodity code list.	Type string	Use O	Fixed	

ContactIdentifier

The identifier of the contact person or department.

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

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 ContactIdentifier The identifier of the contact person or department. ContactName The name of the contact person within the organization. ContactDescription A free-form textual description of the contact. Telephone A collection of elements detailing information about a telephone number. EmailAddress The address assigned to a person or organization to receive electronic messages. 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.	Type string string string string string	Use O O O O O	Max 1 1 1 1 U
parent(s)	PartnerInformation RequestQuoteResponse			
attributes	Name contactInformationIndicator A code indicating the function of the contact. BuyerDepartment DeliveryContact DesignEngineer Engineer EnteredBy FieldRepresentative OfficeRepresentative OrderContact PurchasingAgent QuotePreparer QuoteRequestor RFQContact SalesRepresentative ServiceCoordinator TechnicalMarketingRepresentative Other	Type string	Use M	Fixed

CountryOfFinalDestination

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

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

	A code indicating a country. Use theodelist 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	<div> <div>Name</div> <div>Type</div> <div>Use</div> <div>Max</div> </div> <div> <div>CountryCode</div> <div>string</div> <div>M</div> <div>1</div> </div> <div>A code indicating a country. Use theodelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.</div>
parent(s)	QuoteRequestLineItem QuoteRequestProperties QuoteRequestSubLineItem

EffectiveDates

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

note	
level	QuoteRequestProperties QuoteRequestDetails
children	<div> <div>Name</div> <div>Type</div> <div>Use</div> <div>Max</div> </div> <div> <div>FromDate</div> <div>date</div> <div>M</div> <div>1</div> </div> <div>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.</div> <div> <div>ToDate</div> <div>date</div> <div>M</div> <div>1</div> </div> <div>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.</div>
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	string	0	1
	The name of the oil field.			
	Section	string	0	1
	A part of Section/Township/Range location identifier scheme.			
	Township	string	0	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	QuoteRequestProperties QuoteRequestDetails			
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				
level	QuoteRequestProperties QuoteRequestDetails			
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	QuoteRequestProperties QuoteRequestDetails

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

JobLocationIdentifier

A unique identifier referencing the job location.

note				
level	QuoteRequestProperties QuoteRequestDetails			
parent(s)	JobLocationInformation			
attributes	Name 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	Type string	Use O	Fixed

JobLocationInformation

A collection of elements giving details of a job location.

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

parent(s)	QuoteRequestLineItem QuoteRequestProperties QuoteRequestSubLineItem
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LinItemIdentifier

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

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

LinItemInformation

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

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

LinItemTotal

The net total monetary amount for the line item.

note				
level	QuoteRequestDetails			
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)	QuoteRequestLineItem QuoteRequestSubLineItem
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Location

A collection of elements giving details about a location.

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

PartnerIdentifier

A unique identifier indicating a particular partner or organization.

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

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 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			

PrimaryCurrency

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

note				
level	QuoteRequestProperties			
children	Name 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 string	Use M	Max 1
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 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.	Type string string	Use M O	Max 1 1
parent(s)	QuoteRequestLineItem QuoteRequestProperties QuoteRequestSubLineItem			
attributes	Name referenceInformationIndicator 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	Type string	Use M	Fixed

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.</p> <p>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.</p> <p>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</p> <p>EmergencyOrder</p> <p>ReleaseOrDeliveryOrder</p> <p>RushOrder</p> <p>StandAloneOrder</p> <p>SupplyOrServiceOrder</p> <p>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	<p>Name</p> <p>CurrencyCode</p> <p>A code indicating the currency in which the monetary amount is specified.</p>	<p>Type</p> <p>string</p>	<p>Use</p> <p>M</p>	<p>Max</p> <p>1</p>

	Use theodelist from ISO 4217:2001 Codes for the representation of currencies and funds.
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	QuoteRequestProperties QuoteRequestDetails			
parent(s)	QuoteRequestLineItem QuoteRequestProperties QuoteRequestSubLineItem			
attributes	<div><div>Name</div><div>dateTypeIndicator</div><div>A code to identify which date being given.</div><div>ArriveLocationDate</div><div>InvoiceDueDate</div><div>InvoicePeriodStartDate</div><div>LeaveLocationDate</div><div>PromisedForDelivery</div><div>PromisedForShipment</div><div>RequestedForDelivery</div><div>RequestedForShipment</div><div>ServicePeriodEnd</div><div>ServicePeriodStart</div><div>ShipDate</div><div>Other</div></div>	<div>Type</div> <div>string</div>	<div>Use</div> <div>M</div>	<div>Fixed</div>

SpecialInstructions

A free-form textual description of special requirements.

note	
level	QuoteRequestProperties QuoteRequestDetails
parent(s)	QuoteRequestLineItem QuoteRequestProperties QuoteRequestSubLineItem

attributes	Name	Type	Use	Fixed
	instructionIndicator	string	O	
	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 informational explanation or clarification.
parent(s)	Q*!MPBMLPS*!jQ""!t'M !i!tm""B"gl!" !tttliD""!li"!!!

TaxAmount

The monetary amount of the tax.

note				
level	QuoteRequestDetails QuoteRequestSummary			
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 theodelist from ISO 4217:2001 Codes for the representation of currencies and funds.	Type decimal string	Use M O	Max 1 1
parent(s)	Tax			

TaxBasisAmount

The monetary amount which is subject to tax.

note				
level	QuoteRequestDetails QuoteRequestSummary			
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 theodelist from ISO 4217:2001 Codes for the representation of currencies and funds.	Type decimal string	Use M O	Max 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	O	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	O	1
	TaxCertificateType The category of tax certificate for which an identifying number is issued.	string	O	1
	TaxCertificateNumber The identifying number for a tax certificate such as tax exemption, sales and use tax certificate or other such document.	string	O	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.			
	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.			
	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 wellIdentifierIndicator A code to indicate the origin of the Well Identifier. Number CustomerNumber UWINumber Other	Type string	Use 0	Fixed

WellInformation

A collection of elements detailing information about a well.

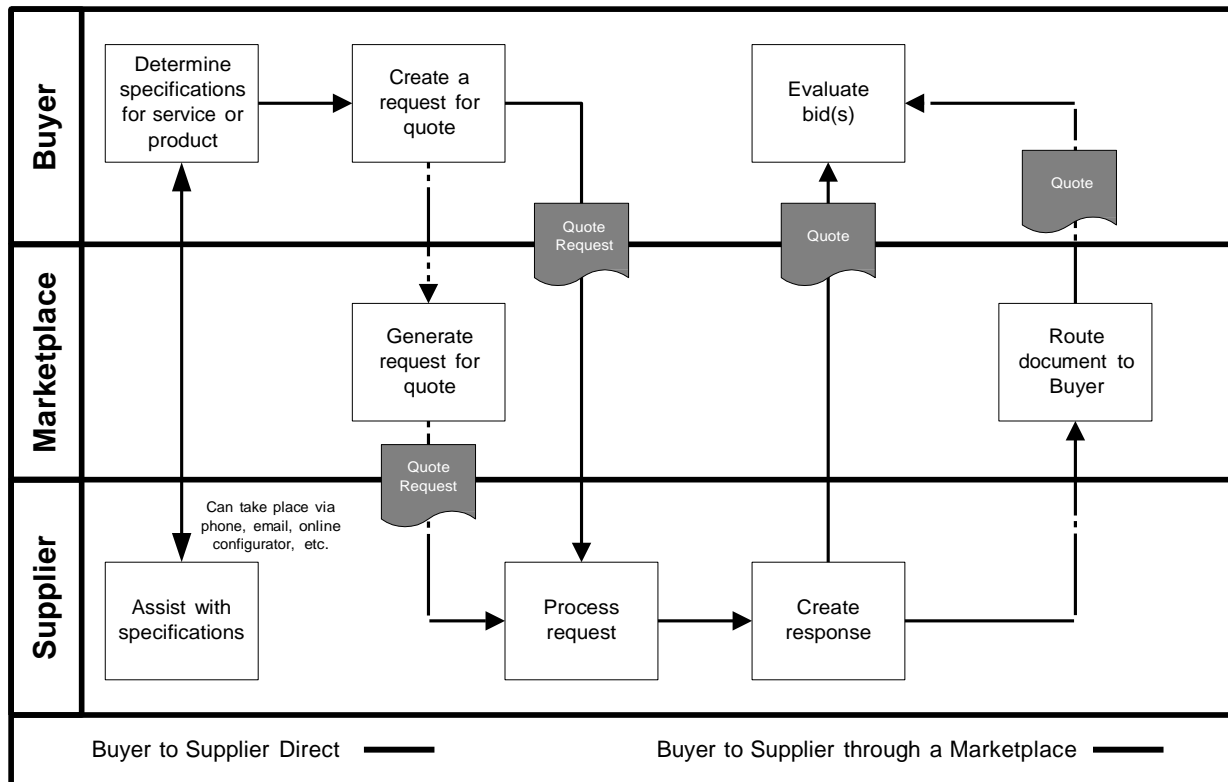
note	
level	QuoteRequestProperties QuoteRequestDetails

children	Name	Type	Use	Max
	WellIdentifier	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)	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 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

A collection of elements detailing information about a telephone number.

note					
level	OrderCreateProperties OrderCreateDetails				
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. Fax Mobile Pager Voice Other	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				
children	Name	Type	Use	Max
	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	
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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
	QuoteRequestInformation A collection of elements containing relevant quote request information which needs to be referenced within other documentation and/or messages.		M	1
	PartnerInformation A collection of elements detailing partner information.		M	U
	ValidityDates 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
	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
	RateOfExchangeDetail 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
	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 collection of elements detailing how product is transported.		O	1
	PaymentTerms A collection of elements detailing payment terms information.		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 the current transaction message.		O	U
	Attachment			

	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	O	1
parent(s)	Quote			

QuoteDetails

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

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

	SkidPalletType			
	TypeOfPackage			
	Other			
	PackagingCharacteristicDescription	string	O	U
	Free-form text providing any additional information associated with the Packaging Characteristic Code.			
	ReferenceInformation		O	U
parent(s)	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.			
	QuoteSubLineItem		O	U
	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.			
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			

	ProductMarking			
	SkidPalletType			
	TypeOfPackage			
	Other			
	PackagingCharacteristicDescription	string	O	U
	Free-form text providing any additional information associated with the Packaging Characteristic Code.			
parent(s)	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.			

QuoteSummary

A collection of elements detailing the totals of the quote.

note		Type	Use	Max
children	Name			
	TotalLineItems	integer	M	1
	The total number of line items contained in a message.			
	QuoteTotal		M	1
	The total monetary amount of the quote.			
	AllowanceOrCharge		O	U
	A collection of elements defining the details of an allowance or charge to the customer.			
	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
parent(s)	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.)			

AddressInformation

A collection of elements defining the details of an address.

note				
level	QuoteProperties QuoteDetails			
children	Name POBoxNumber The identity of a physical box within a postal facility to accept and receive mail. BuildingHouseNumber The alphanumeric identifier of a building as a part of an address. StreetName The name of a street as part of an address. 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. CityName The name of the city or municipality. StateProvince The name of the municipality or town as a location for mailing, siting and other geographic functions. PostalCode The code assigned by local postal authorities to delivery addresses. PostalCountry The country code indicating the country to which mail should be delivered. CountyName The name of the county. LocationIdentifier A unique identifier for a physical location.	Type string string string string string string string string string string	Use O O O O O O O O O	Max 1 1 1 U 1 1 1 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	QuoteDetails QuoteSummary			
children	Name	Type	Use	Max
	AllowanceOrChargeTotalAmount		O	1
	The total monetary amount for the allowance or charge.			
	AllowanceOrChargeRate		O	1
	The rate per unit of the allowance or charge.			
	AllowanceOrChargePercent	decimal	O	1
	The allowance or charge expressed as a percentage.			
	AllowanceOrChargeNumber	string	O	1
	The identifier assigned by a vendor referencing an allowance, promotion, deal or charge.			
	AllowanceOrChargeTypeCode	string	O	1
	A code identifying the kind of allowance or charge being described.			
	Freight			
	FuelSurcharge			
	SpecialHandlingService			
	Discount			
	FlatRate			
	EngineeringCharge			
	InvoiceAdjustment			
	InsuranceSurcharge			
	OneTimeLicenseFee			
	Royalties			
	MiscellaneousCharge			
	PostageCharge			
	TrailerRentalCharge			
	TransportationDirectBilling			
	TransportationVendorProvided			
	Other			
	MethodOfHandlingCode	string	O	1
	A code which describes how a particular allowance or charge should be handled.			
	OffInvoice			
	ChargeToBePaidByCustomer			
	Other			
	AllowanceOrChargeDescription	string	O	1
	A free form description used to clarify the related allowance and charge data elements and their content.			
	AllowanceOrChargeQuantity		O	1
	The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.			

parent(s)	QuoteLineItem QuoteSubLineItem QuoteSummary
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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			
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	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)	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 alternativeCommunicationMethodIndicator A code to indicate the type of alternative communication method. AUTOVON EDIAccessNumber FederalTelecommunicationsSystem IPAddress PacketSwitching PrinterID StationCode Telemail Telex TWX Other	Type string	Use M	Fixed	

Attachment

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

note					
level	QuoteProperties QuoteDetails				

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

	<p>The title of the attachment.</p> <p>AttachmentDescription string O 1</p> <p>A free-form textual description of the attachment.</p> <p>FileType string O 1</p> <p>The type of the file in an attachment.</p> <p>AttachmentLocation string O 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 BlockName The name of the block, which identifies a location. OCSGNumber The Outer Continental Shelf Gulf number. StateLease Lease on state land.	Type string string string	Use O O O	Max 1 1 1
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 agencyIndicator A code indicating what agency or organization is responsible for defining the commodity code list.	Type string	Use O	Fixed

ContactIdentifier

The identifier of the contact person or department.

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

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	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.			
parent(s)	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.			
	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	
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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)	QuoteLinItem QuoteProperties QuoteSubLinItem

CountryOfOrigin

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

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

Deferred

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

note				
level	QuoteProperties QuoteDetails			
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.			
	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	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 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)	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 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				

Discounts

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

note					
level	QuoteProperties QuoteDetails				

children	Name	Type	Use	Max
	DaysDue	integer	O	1
	The number of days from the payment terms basis date before a discount expires.			
	DiscountsDueDate	date	O	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	O	1
	A discount to be applied to the transaction expressed as a percentage.			
	<u>DiscountAmount</u>		O	1
	The monetary amount of a discount based upon payment terms.			
	Description	string	O	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	QuoteProperties QuoteDetails			
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	QuoteProperties QuoteDetails			
children	Name FieldName The name of the oil field. Section A part of Section/Township/Range location identifier scheme. Township A part of Section/Township/Range location identifier scheme. Range A part of Section/Township/Range location identifier scheme. Region The name of a geographic region. Block A collection of elements defining the details of a block, which identifies a location. GPSCoordinates A collection of elements containing latitude and longitude data for a specific location.	Type string string string string string	Use O O O O O O	Max 1 1 1 1 1 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	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	O	
	A code to define what type of location the identifier is referencing.			
	ChemicalPlant			
	Coal-Degas			
	CogenerationPlant			
	Construction			
	Dock			
	GasPlant			
	IndustrialServiceMiscellaneous			
	MilitaryGovernment			
	PaperMill			
	PetroleumPlant			

	i elin
	Refinery:
	Rig
	Utililant
	Other

JobLocationInformation

A collection of elements giving details of a job location.

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

parent(s)	QuoteLineItem QuoteProperties QuoteSubLineItem
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LineItemIdentifier

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

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

LineItemInformation

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

note				
level	QuoteDetails			
children	<p>Name</p> <p>LineItemIdentifier</p> <p>The unique identifier for a product or service making up the line item.</p> <p>LineItemName</p> <p>The name of the product or service in the line item.</p> <p>LineItemDescription</p> <p>A free-form textual description of the line item.</p> <p>ManufacturerIdentifier</p> <p>A unique identifier for a manufacturer.</p>	<p>Type</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>Max</p> <p>U</p> <p>1</p> <p>1</p> <p>1</p>
parent(s)	<p>QuoteLineItem</p> <p>QuoteSubLineItem</p>			

LineItemTotal

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.			
	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
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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.			
children	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
children	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 string	Use M	Fixed

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</p> <p>InvoiceDate</p> <p>InvoiceReceiptDate</p> <p>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>	<p>Type</p> <p>string</p> <p>string</p> <p>string</p> <p>date</p> <p>integer</p> <p>decimal</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>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
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	
level	<p>QuoteProperties</p> <p>QuoteDetails</p>

children	<p>Name</p> <p>CountryCode</p> <p>A code indicating a country.</p> <p>Use theodelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.</p>	<p>Type</p> <p>string</p>	<p>Use</p> <p>M</p>	<p>Max</p> <p>1</p>
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	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)	QuoteProperties			

QuoteTotal

The total monetary amount of the quote.

note				
level	QuoteSummary			
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)	QuoteSummary			

RateOfExchangeDetail

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

note	
level	QuoteProperties

children	Name	Type	Use	Max
	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.	date	O	1
	Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM"			

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par<!(s) | the month and "DD" the day.
[QuoteProperties](#)

ReferenceCurrency

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

note				
level	QuoteProperties			
children	Name 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 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	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 Description A free-form textual explanation or clarification.	Type string string	Use M O	Max 1 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
	TemplateNumber
	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	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)	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 theodelist 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 ShortLeadTime Tolerances Other	Type string	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	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 theodelist from ISO 4217:2001 Codes for the representation of currencies and funds.			
parent(s)	QuoteSummary			
attributes	Name	Type	Use	Fixed
	subTotalIndicator	string	M	
	A code to indicate the type of subtotal being given.			
	Equipment			
	Labor			
	Materials			
	Other			

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	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)	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 A code indicating the kind of tax being applied. CitySalesTax CountyParishSalesTax CountyTax FederalExciseTax GoodsAndServicesTax GrossReceiptsTax LocalTax MetropolitanTransitTax StateAndLocalSalesTax StateProvincialTax StateSalesTax ValueAddedTax WellServiceTax Other	string	M	1
	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. DirectPay Exempt NonExempt Other	string	O	1
	TaxLocation 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
	TaxBasisAmount The monetary amount which is subject to tax.		O	1
	TaxAmount The monetary amount of the tax.		O	1
	TaxReference A free-form textual explanation or clarification.	string	O	1

parent(s)	QuoteLineItem QuoteSubLineItem QuoteSummary
-----------	---

TaxAmount

The monetary amount of the tax.

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 theodelist from ISO 4217:2001 Codes for the representation of currencies and funds.	Type decimal string	Use M O	Max 1 1
parent(s)	Tax			

TaxBasisAmount

The monetary amount which is subject to tax.

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 theodelist from ISO 4217:2001 Codes for the representation of currencies and funds.	Type decimal string	Use M O	Max 1 1
parent(s)	Tax			

TaxInformation

A collection of elements detailing tax information about a partner.

note				
level	QuoteProperties QuoteDetails			
children	Name TaxIdentifierNumber A unique number or code issued to an organization by a governmental or regulatory body identifying that entity for tax purposes. 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. TaxCertificateType The category of tax certificate for which an identifying number is issued. TaxCertificateNumber The identifying number for a tax certificate such as tax exemption, sales and use tax certificate or other such document.	Type string string string string	Use O O O O	Max 1 1 1 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	QuoteDetails QuoteSummary			
children	Name LocationIdentifier A unique identifier for a physical location. LocationName The name of the location being referenced. LocationDescription Free-form textual description of the location. AddressInformation A collection of elements defining the details of an address.	Type string string string	Use O O O O	Max 1 1 1 1
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. Fax Mobile Pager Voice Other	Type string	Use O	Fixed

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	
level	QuoteProperties QuoteDetails
parent(s)	WellInformation

attributes	Name	Type	Use	Fixed
	wellIdentifierIndicator	string	O	
	A code to indicate the origin of the Well Identifier.			
	Number			

Customer Number

UW Identifier

Other

WellInformation

A collection of elements detailing information about a well.

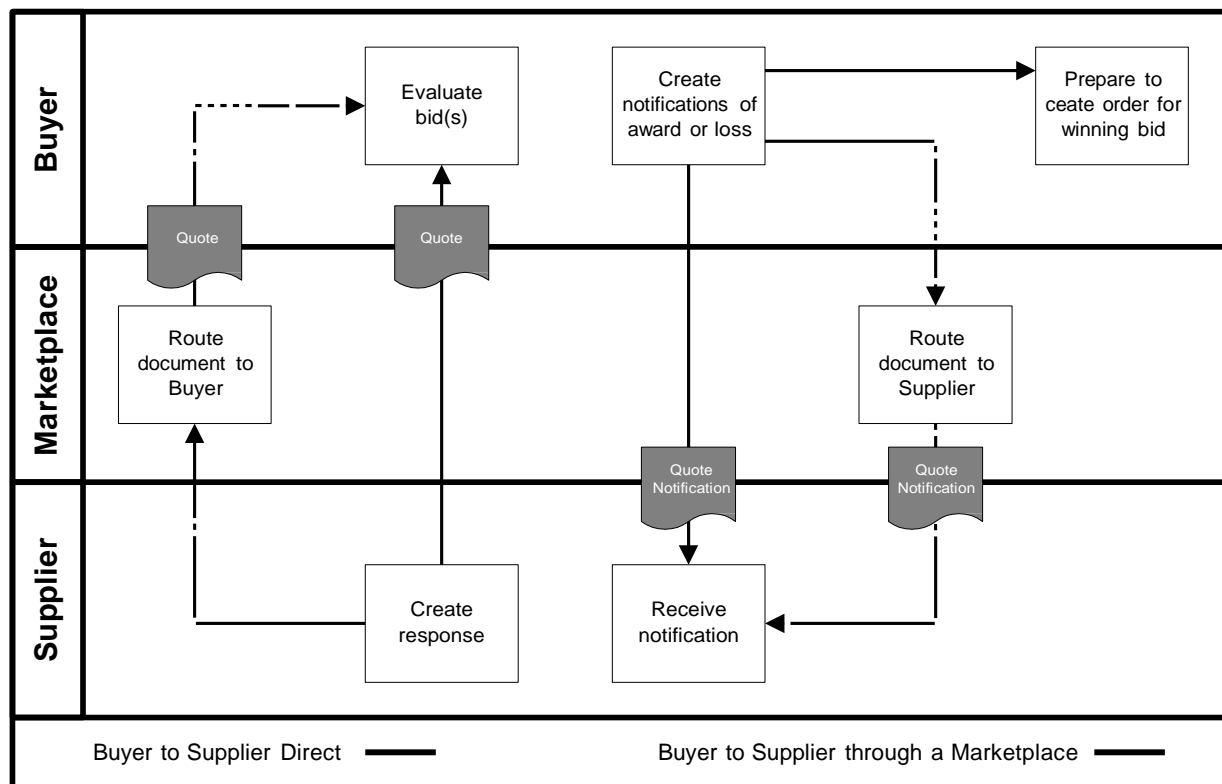
note	
level	QuoteProperties QuoteDetails

children	Name	Type	Use	Max
	WellIdentifier	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)	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.



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

A collection of elements detailing information about a telephone number.

note					
level	OrderCreateProperties OrderCreateDetails				
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. Fax Mobile Pager Voice Other	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.

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.	string	M	1
	AwardedBid			
	NotAwardedBid			
	OrderToFollow			
	Other			
	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	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.			
parent(s)	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.			
	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
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ContactIdentifier

The identifier of the contact person or department.

note				
level	QuoteNotificationProperties			
parent(s)	ContactInformation			
attributes	Name	Type	Use	Fixed
	contactIdentifierIndicator	string	O	
	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	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	

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.			
	ContactInformation	string	O	U
	A collection of elements defining details of communication for a contact person.			
	TaxInformation	string	O	1
parent(s)	A collection of elements detailing tax information about a partner.			
	URL	string	O	1
	A Uniform Resource Locator indicating an internet address.			
	QuoteNotificationProperties			
	Name	Type	Use	Fixed
	partnerRoleIndicator	string	M	
	A code to indicate the role in this transaction of the partner being referenced.			
	BillAndShipTo			
	BillTo			
	Carrier			
attributes	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

	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

TaxInformation

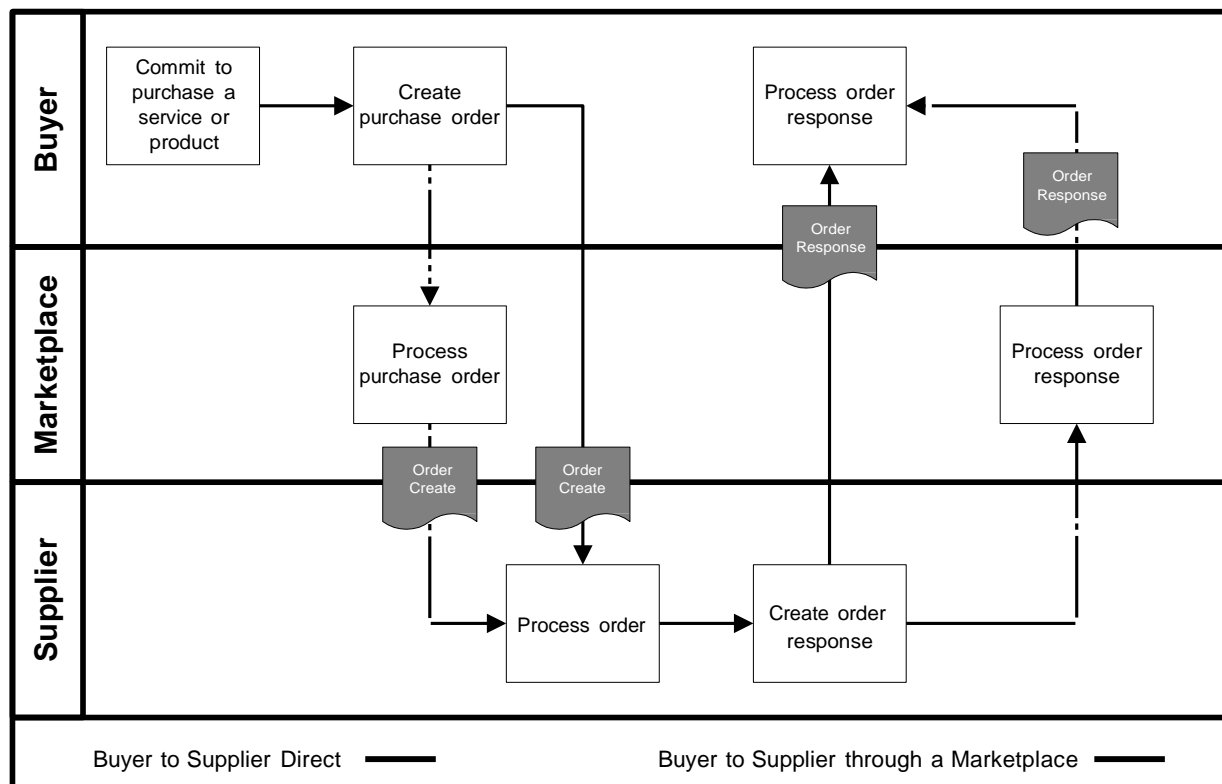
A collection of elements detailing tax information about a partner.

note				
level	QuoteNotificationProperties			
children	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.			
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

A collection of elements detailing information about a telephone number.

3	note						
	level	OrderCreateProperties OrderCreateDetails					
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.	6	7	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. Fax Mobile Pager Voice Other	10	11	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.

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				
children	Name	Type	Use	Max
	OrderCreateProperties		M	1
	A collection of elements defining the order "meta-data" or "common data".			
	OrderCreateDetails		M	1
attributes	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
	<u>PartnerInformation</u> 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.	string	M	1
	Confirmation			
	EmergencyOrder			
	ReleaseOrDeliveryOrder			
	RushOrder			
	StandAloneOrder			
	SupplyOrServiceOrder			
	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
	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.	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 theodelist 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

	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	
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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.			
	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	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	
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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.			
	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 A collection of elements detailing references to information that reside outside of the current transaction message. Attachment A collection of elements defining the details of an attachment to the document. Comment A free-form textual structure for general information or comments.		O	U
			O	U
		string	O	1
parent(s)	OrderCreateLineItem			

OrderCreateSummary

A collection of elements detailing the totals of the order.

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

AddressInformation

A collection of elements defining the details of an address.

note				
level	OrderCreateProperties OrderCreateDetails			
children	Name POBoxNumber The identity of a physical box within a postal facility to accept and receive mail. BuildingHouseNumber The alphanumeric identifier of a building as a part of an address. StreetName The name of a street as part of an address. 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. CityName The name of the city or municipality. StateProvince The name of the municipality or town as a location for mailing, siting and other geographic functions. PostalCode The code assigned by local postal authorities to delivery addresses. PostalCountry The country code indicating the country to which mail should be delivered. CountyName The name of the county. LocationIdentifier A unique identifier for a physical location.	Type string string string string string string string string string string	Use O O O O O O O O O	Max 1 1 1 U 1 1 1 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	OrderCreateDetails			
children	Name	Type	Use	Max
	AllowanceOrChargeTotalAmount		O	1
	The total monetary amount for the allowance or charge.			
	AllowanceOrChargeRate		O	1
	The rate per unit of the allowance or charge.			
	AllowanceOrChargePercent	decimal	O	1
	The allowance or charge expressed as a percentage.			
	AllowanceOrChargeNumber	string	O	1
	The identifier assigned by a vendor referencing an allowance, promotion, deal or charge.			
	AllowanceOrChargeTypeCode	string	O	1
	A code identifying the kind of allowance or charge being described.			
	Freight			
	FuelSurcharge			
	SpecialHandlingService			
	Discount			
	FlatRate			
	EngineeringCharge			
	InvoiceAdjustment			
	InsuranceSurcharge			
	OneTimeLicenseFee			
	Royalties			
	MiscellaneousCharge			
	PostageCharge			
	TrailerRentalCharge			
	TransportationDirectBilling			
	TransportationVendorProvided			
	Other			
	MethodOfHandlingCode	string	O	1
	A code which describes how a particular allowance or charge should be handled.			
	OffInvoice			
	ChargeToBePaidByCustomer			
	Other			
	AllowanceOrChargeDescription	string	O	1
	A free form description used to clarify the related allowance and charge data elements and their content.			
	AllowanceOrChargeQuantity		O	1
	The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.			

parent(s)	OrderCreateLineItem OrderCreateSubLineItem
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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	OrderCreateDetails			
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	OrderCreateDetails			
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	OrderCreateDetails			
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	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 theodelist from ISO 4217:2001 Codes for the representation of currencies			

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

Attachment

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

note				
level	OrderCreateProperties OrderCreateDetails			
children	Name AttachmentPurposeCode A code to indicate the purpose of the attachment. Template Other FileName The name of the file in an attachment. AttachmentTitle The title of the attachment. AttachmentDescription A free-form textual description of the attachment. FileType The type of the file in an attachment. AttachmentLocation The location of the attachment, such as a URL.	Type string string string string string string	Use O O O O O O	Max 1 1 1 1 1 1

parent(s)	OrderCreateLineItem OrderCreateProperties OrderCreateSubLineItem
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Block

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

note					
level	OrderCreateProperties OrderCreateDetails				
children	Name BlockName The name of the block, which identifies a location. OCSGNumber The Outer Continental Shelf Gulf number. StateLease Lease on state land.	Type string string string	Use O O O	Max 1 1 1	
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 agencyIndicator A code indicating what agency or organization is responsible for defining the commodity code list.	Type string	Use O	Fixed	

ContactIdentifier

The identifier of the contact person or department.

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

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
parent(s)	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.			
	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	
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level	OrderCreateProperties OrderCreateDetails			
children	Name CountryCode A code indicating a country.	Type string	Use M	Max 1

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

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

Deferred

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

note				
level	OrderCreateProperties OrderCreateDetails			
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 O	Max 1 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	OrderCreateProperties OrderCreateDetails			
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)	Deferred			

DiscountAmount

The monetary amount of a discount based upon payment terms.

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

	Use theodelist from ISO 4217:2001 Codes for the representation of currencies and funds.
parent(s)	Discounts

Discounts

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

note				
level	OrderCreateProperties OrderCreateDetails			
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	OrderCreateProperties OrderCreateDetails			
children	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.			
children	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	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				
level	OrderCreateProperties OrderCreateDetails			
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	OrderCreateProperties OrderCreateDetails			
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	OrderCreateProperties OrderCreateDetails			
parent(s)	JobLocationInformation			
attributes	Name 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	Type string	Use O	Fixed

JobLocationInformation

A collection of elements giving details of a job location.

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

parent(s)	OrderCreateLineItem OrderCreateProperties OrderCreateSubLineItem
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LinItemIdentifier

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

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

LinItemInformation

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

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

LinItemTotal

The net total monetary amount for the line item.

note				
level	OrderCreateDetails			
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)	OrderCreateLineItem OrderCreateSubLineItem
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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
	A collection of elements defining the details of an address.			
children	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			

OrderQuantity

The number of units of an item or service ordered.

note				
level	OrderCreateDetails OrderResponse OrderResponseDetails OrderChangeDetails			
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)	OrderChangeLinItem OrderChangeSubLinItem OrderCreateLinItem OrderCreateSubLinItem OrderResponseLinItem OrderResponseSubLinItem			

PartnerIdentifier

A unique identifier indicating a particular partner or organization.

note				
level	OrderCreateProperties OrderCreateDetails			
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	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	<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</p> <p>InvoiceDate</p> <p>InvoiceReceiptDate</p> <p>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>	<p>Type</p> <p>string</p> <p>string</p> <p>string</p> <p>date</p> <p>integer</p> <p>decimal</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>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
parent(s)	<p>OrderCreateLineItem</p> <p>OrderCreateProperties</p> <p>OrderCreateSubLineItem</p>			

PostalCountry

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

note	
level	<p>OrderCreateProperties</p> <p>OrderCreateDetails</p>

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

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.				
	PriceBasis		O	U	
	A structure allowing for a price to be based on more than just a single unit of measure.				
parent(s)	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.				
	Use the codelist from ISO 4217:2001 Codes for the representation of currencies and funds.				
parent(s)	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	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)	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			
	TemplateName			
	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 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 string	Use M	Max 1
parent(s)	OrderCreateProperties			

ServiceDateTime

The actual and/or schedule dates for a service.

note	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. 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. If no time is to be given then use zeroes in the hh, mm and ss fields. 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.			
level	OrderCreateProperties OrderCreateDetails			
parent(s)	OrderCreateLineItem OrderCreateProperties OrderCreateSubLineItem			
attributes	Name dateTypeIndicator A code to identify which date being given. ArriveLocationDate InvoiceDueDate InvoicePeriodStartDate LeaveLocationDate PromisedForDelivery PromisedForShipment RequestedForDelivery RequestedForShipment ServicePeriodEnd ServicePeriodStart ShipDate Other	Type string	Use M	Fixed

SpecialInstructions

A free-form textual description of special requirements.

note				
level	OrderCreateProperties OrderCreateDetails			
parent(s)	OrderCreateLineItem OrderCreateProperties OrderCreateSubLineItem			
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 O	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	OrderCreateDetails			
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			
	TaxLocation		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.			
	TaxBasisAmount		O	1
	The monetary amount which is subject to tax.			
	TaxAmount		O	1
	The monetary amount of the tax.			
	TaxReference	string	O	1
	A free-form textual explanation or clarification.			

parent(s)	OrderCreateLineItem OrderCreateSubLineItem
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TaxAmount

The monetary amount of the tax.

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)	Tax				

TaxBasisAmount

The monetary amount which is subject to tax.

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)	Tax				

TaxInformation

A collection of elements detailing tax information about a partner.

note					
level	OrderCreateProperties				
	OrderCreateDetails				
children	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.				
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.				
	LocationDescription	string	O	1	
	Free-form textual description of the location.				
	AddressInformation		O	1	
parent(s)	A collection of elements defining the details of an address.				
	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.				
	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.				
	ContactInformation				
parent(s)					
attributes	Name	Type	Use	Fixed	
	telephoneIndicator	string	O		
	A code to indicate the type of phone number being given.				
	Fax				
	Mobile				
	Pager				
	Voice				
	Other				

TotalAmount

The total monetary amount of an order.

note					
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level	OrderCreateSummary			
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)	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

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

UnitPrice

A collection of elements detailing how product is transported.

note	
level	OrderCreateDetails
children	<p>Name Type Use Max</p> <p>MonetaryAmount decimal M 1</p> <p>The currency value of a transaction or item.</p> <p>UnitOfMeasureCode string M 1</p> <p>A code identifying the units in which measurement is expressed.</p> <p>Use values from the DE 355 code list contained in ASC X12 release 3030.</p> <p>CurrencyCode string O 1</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>
parent(s)	Pricing

WellIdentifier

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

note	
level	<p>OrderCreateProperties</p> <p>OrderCreateDetails</p>
parent(s)	WellInformation
attributes	<p>Name Type Use Fixed</p> <p>wellIdentifierIndicator string O</p> <p>A code to indicate the origin of the Well Identifier.</p> <p>Number</p> <p>CustomerNumber</p> <p>UWIDNumber</p> <p>Other</p>

WellInformation

A collection of elements detailing information about a well.

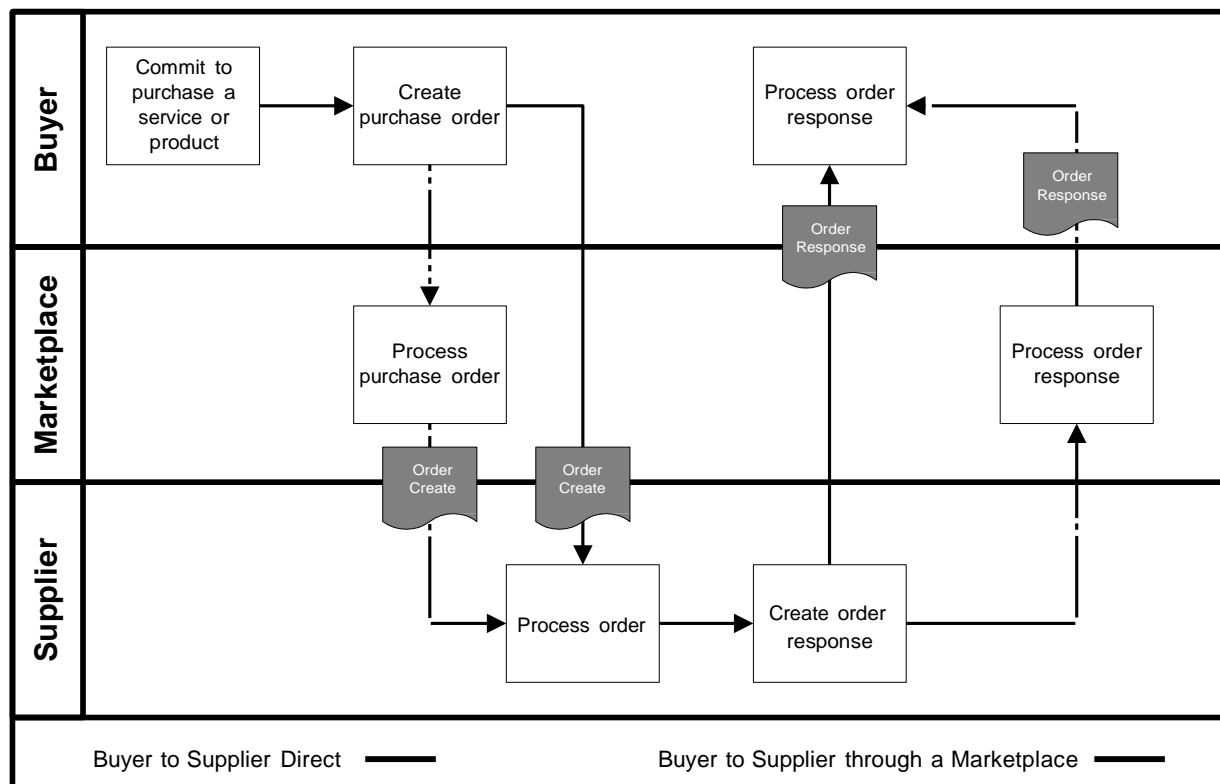
note	
level	OrderCreateProperties OrderCreateDetails

children	Name	Type	Use	Max
	WellIdentifier	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)	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

A collection of elements detailing information about a telephone number.

3	note						
	level	OrderCreateProperties OrderCreateDetails					
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.	6	7	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. Fax Mobile Pager Voice Other	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.

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				
children	Name	Type	Use	Max
	OrderResponseProperties		M	1
	A collection of elements defining the response "meta-data" or "common data".			
	OrderResponseDetails		M	1
attributes	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.			
	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.			
	<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>OrderResponse</u>			

OrderResponseDetails

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

note				
children	Name <div> OrderResponseLineItem </div> A collection of elements defining the details of the line items making up the response.	Type	Use M	Max U
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	string	M	1
	A sequential individual line identifier within a purchase order document containing product or item information.			
	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.			

	<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.			
	<u>OrderResponseSubLineItem</u>		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)	<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.			

	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)	OrderResponseLineItem			

OrderResponseSummary

A collection of elements detailing the totals of the response.

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)	OrderResponse			

AddressInformation

A collection of elements defining the details of an address.

note				
level	OrderResponseProperties OrderResponseDetails			
children	Name POBoxNumber The identity of a physical box within a postal facility to accept and receive mail. BuildingHouseNumber The alphanumeric identifier of a building as a part of an address. StreetName The name of a street as part of an address. 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. CityName The name of the city or municipality. StateProvince The name of the municipality or town as a location for mailing, siting and other geographic functions. PostalCode The code assigned by local postal authorities to delivery addresses. PostalCountry The country code indicating the country to which mail should be delivered. CountyName The name of the county. LocationIdentifier A unique identifier for a physical location.	Type string string string string string string string string string string	Use O O O O O O O O O	Max 1 1 1 U 1 1 1 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	OrderResponseDetails			
children	Name	Type	Use	Max
	AllowanceOrChargeTotalAmount		O	1
	The total monetary amount for the allowance or charge.			
	AllowanceOrChargeRate		O	1
	The rate per unit of the allowance or charge.			
	AllowanceOrChargePercent	decimal	O	1
	The allowance or charge expressed as a percentage.			
	AllowanceOrChargeNumber	string	O	1
	The identifier assigned by a vendor referencing an allowance, promotion, deal or charge.			
	AllowanceOrChargeTypeCode	string	O	1
	A code identifying the kind of allowance or charge being described.			
	Freight			
	FuelSurcharge			
	SpecialHandlingService			
	Discount			
	FlatRate			
	EngineeringCharge			
	InvoiceAdjustment			
	InsuranceSurcharge			
	OneTimeLicenseFee			
	Royalties			
	MiscellaneousCharge			
	PostageCharge			
	TrailerRentalCharge			
	TransportationDirectBilling			
	TransportationVendorProvided			
	Other			
	MethodOfHandlingCode	string	O	1
	A code which describes how a particular allowance or charge should be handled.			
	OffInvoice			
	ChargeToBePaidByCustomer			
	Other			
	AllowanceOrChargeDescription	string	O	1
	A free form description used to clarify the related allowance and charge data elements and their content.			
	AllowanceOrChargeQuantity		O	1
	The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.			

parent(s)	OrderResponseLineItem OrderResponseSubLineItem
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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	OrderResponseDetails			
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	OrderCreateDetails OrderResponseDetails OrderChangeDetails			
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)	AllowanceOrCharge			

AllowanceOrChargeRate

The rate per unit of the allowance or charge.

note				
level	OrderResponseDetails			
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)	AllowanceOrCharge			

AllowanceOrChargeTotalAmount

The total monetary amount for the allowance or charge.

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			

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

Attachment

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

note				
level	OrderResponseProperties OrderResponseDetails			
children	Name AttachmentPurposeCode A code to indicate the purpose of the attachment. Template Other FileName The name of the file in an attachment. AttachmentTitle The title of the attachment. AttachmentDescription A free-form textual description of the attachment. FileType The type of the file in an attachment. AttachmentLocation The location of the attachment, such as a URL.	Type string string string string string string	Use O O O O O O	Max 1 1 1 1 1 1

parent(s)	OrderResponseLineItem OrderResponseProperties OrderResponseSubLineItem
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Block

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

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

ChangeOrderInformation

A collection of elements which identifies a particular Change Order.

note					
level	OrderResponseProperties				
children	Name OrderChangeNumber A unique identifier for an Order Change message. 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. PurchaseOrderTypeCode A code indicating the kind of purchase order. Confirmation EmergencyOrder ReleaseOrDeliveryOrder RushOrder StandAloneOrder SupplyOrServiceOrder Other SalesOrderNumber The identifier assigned by a supplier to an order placed by a customer. 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.	Type string date string string string integer	Use M M O O O	Max 1 1 1 1 1 1	
parent(s)	OrderResponseProperties				

CommodityCode

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

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

	agencyIndicator A code indicating what agency or organization is responsible for defining the commodity code list	string	0
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ContactIdentifier

The identifier of the contact person or department.

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

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 ContactIdentifier The identifier of the contact person or department. ContactName The name of the contact person within the organization. ContactDescription A free-form textual description of the contact. Telephone A collection of elements detailing information about a telephone number. EmailAddress The address assigned to a person or organization to receive electronic messages. 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.	Type string string string string string	Use O O O O O	Max 1 1 1 1 U
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
	-salesRe_re:sentati\E:
	-SerlliceCoordinator
	iTechnicalMarketingReresentati\E:
	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	integer	M	1
	The number identifying the credit card account.			
	CardHolderName	string	O	1
	The name of the party to whom the credit card is registered.			
	CreditCardType	string	O	1
	The type of credit card as generally identified by financial institutions.			
	CreditCardExpirationDate	date	O	1
	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	string	O	1
	The authorization number assigned to a transaction against a credit card.			
	CardReferenceNumber	string	O	1
	A customer reference number which is used to enable transmission of customer			

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

Deferred

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

note				
level	OrderResponseProperties OrderResponseDetails			
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	OrderResponseProperties OrderResponseDetails			
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)	Deferred			

DiscountAmount

The monetary amount of a discount based upon payment terms.

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

	Use theodelist from ISO 4217:2001 Codes for the representation of currencies and funds.
parent(s)	Discounts

Discounts

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

note				
level	OrderResponseProperties OrderResponseDetails			
children	<p>Name</p> <p>DaysDue</p> <p>The number of days from the payment terms basis date before a discount expires.</p> <p>DiscountsDueDate</p> <p>The date upon which a discount expires.</p> <p>Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.</p> <p>PercentDiscount</p> <p>A discount to be applied to the transaction expressed as a percentage.</p> <p>DiscountAmount</p> <p>The monetary amount of a discount based upon payment terms.</p> <p>Description</p> <p>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	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				
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 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	OrderResponseProperties OrderResponseDetails			
parent(s)	JobLocationInformation			
attributes	Name 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	Type string	Use O	Fixed

JobLocationInformation

A collection of elements giving details of a job location.

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

parent(s)	OrderResponseLineItem OrderResponseProperties OrderResponseSubLineItem
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LinItemIdentifier

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

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

LinItemInformation

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

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

LinItemTotal

The net total monetary amount for the line item.

note				
level	OrderResponseDetails			
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)	OrderResponseLineItem OrderResponseSubLineItem
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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	
	A collection of elements defining the details of an address.				
children	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 A code identifying the units in which measurement is expressed.	string	M	1
parent(s)	OrderResponseLineItem OrderResponseSubLineItem			

PartnerIdentifier

A unique identifier indicating a particular partner or organization.

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

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	<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</p> <p>InvoiceDate</p> <p>InvoiceReceiptDate</p> <p>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>	<p>Type</p> <p>string</p> <p>string</p> <p>string</p> <p>date</p> <p>integer</p> <p>decimal</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>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
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	
level	<p>OrderResponseProperties</p> <p>OrderResponseDetails</p>

children	<p>Name</p> <p>CountryCode</p> <p>A code indicating a country.</p> <p>Use theodelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.</p>	<p>Type</p> <p>string</p>	<p>Use</p> <p>M</p>	<p>Max</p> <p>1</p>
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.			
	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.			
	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</p> <p>A unique identifier for an Order Create message.</p> <p>PurchaseOrderIssuedDate</p> <p>The date upon which an order was created or deemed to have been issued.</p> <p>Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.</p> <p>PurchaseOrderTypeCode</p> <p>A code indicating the kind of purchase order.</p> <p>Confirmation</p> <p>EmergencyOrder</p> <p>ReleaseOrDeliveryOrder</p> <p>RushOrder</p> <p>StandAloneOrder</p> <p>SupplyOrServiceOrder</p> <p>Other</p> <p>ReleaseNumber</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</p> <p>The identifier assigned by a supplier to an order placed by a customer.</p> <p>RevisionNumber</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>	<p>Type</p> <p>string</p> <p>date</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>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
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	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)	OrderResponseLineItem OrderResponseProperties OrderResponseSubLineItem			
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 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 string	Use M	Max 1
parent(s)	OrderResponseProperties			

ServiceDateTime

The actual and/or schedule dates for a service.

note	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. 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. If no time is to be given then use zeroes in the hh, mm and ss fields. 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.			
level	OrderResponseProperties OrderResponseDetails			
parent(s)	OrderResponseLineItem OrderResponseProperties OrderResponseSubLineItem			
attributes	Name dateTypeIndicator A code to identify which date being given. ArriveLocationDate InvoiceDueDate InvoicePeriodStartDate LeaveLocationDate PromisedForDelivery PromisedForShipment RequestedForDelivery RequestedForShipment ServicePeriodEnd ServicePeriodStart ShipDate Other	Type string	Use M	Fixed

SpecialInstructions

A free-form textual description of special requirements.

note				
level	OrderResponseProperties OrderResponseDetails			
parent(s)	OrderResponseLineItem OrderResponseProperties OrderResponseSubLineItem			
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 O	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	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			
	TaxLocation		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.			
	TaxBasisAmount		O	1
	The monetary amount which is subject to tax.			
	TaxAmount		O	1
	The monetary amount of the tax.			
	TaxReference	string	O	1
	A free-form textual explanation or clarification.			

parent(s)	OrderResponseLineItem OrderResponseSubLineItem
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TaxAmount

The monetary amount of the tax.

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)	Tax			

TaxBasisAmount

The monetary amount which is subject to tax.

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)	Tax			

TaxInformation

A collection of elements detailing tax information about a partner.

note				
level	OrderResponseProperties OrderResponseDetails			
children	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.			
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.			
	LocationDescription	string	O	1
	Free-form textual description of the location.			
	AddressInformation		O	1
parent(s)	A collection of elements defining the details of an address.			
	Tax			

Telephone

A collection of elements detailing information about a telephone number.

note				
level	OrderResponseProperties OrderResponseDetails			
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			

TotalAmount

The total monetary amount of an order.

note				
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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

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

UnitPrice

A collection of elements detailing how product is transported.

note				
level	OrderResponseDetails			
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	OrderResponseProperties OrderResponseDetails			
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.

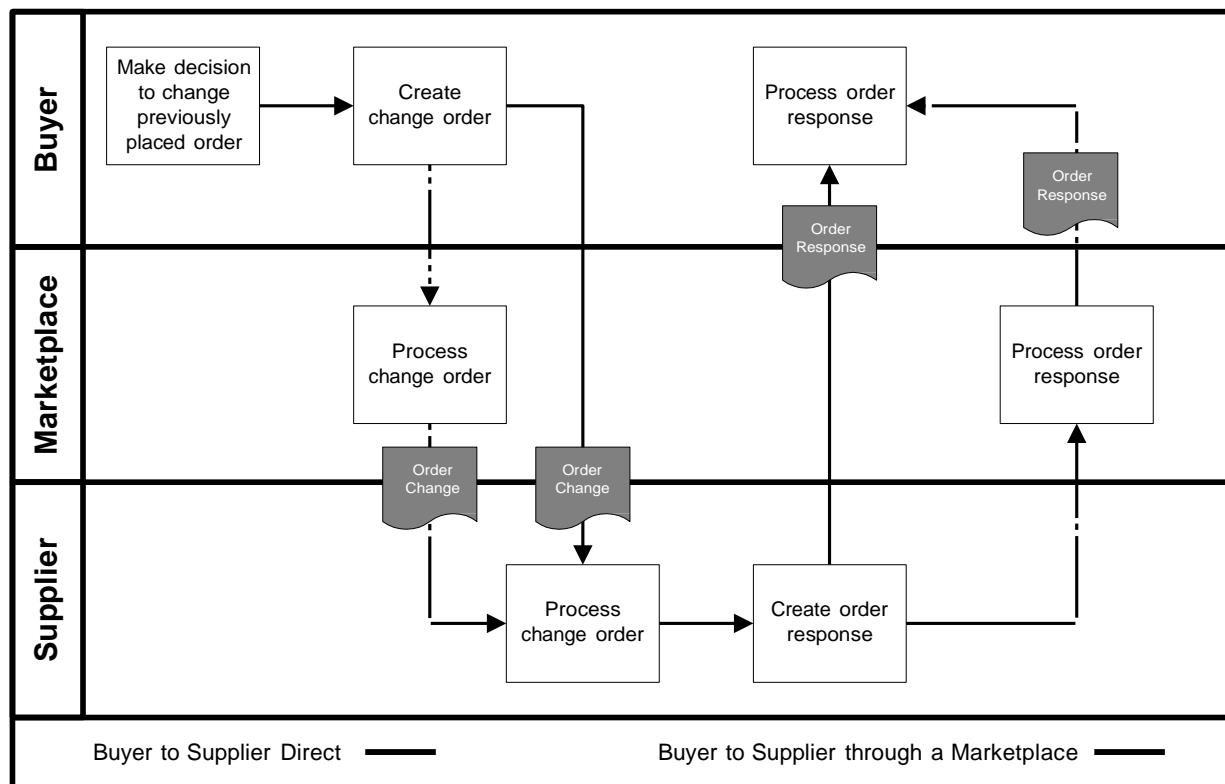
note	
level	OrderResponseProperties OrderResponseDetails

children	Name	Type	Use	Max
	WellIdentifier	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)	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

A collection of elements detailing information about a telephone number.

3	note								
	level	OrderCreateProperties	4						
		OrderCreateDetails							
	children	Name 5 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	8	9	10	11	12
					string		M		1
					string		O		1
					string		O		1
					string		O		1
	parent(s)	ContactInformation							
	attributes	Name 10 telephoneIndicator A code to indicate the type of phone number being given. Fax Mobile Pager Voice Other	11	14	12	13	O		
					string				

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
attributes	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.			
	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

	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)	OrderChange			

OrderChangeDetails

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

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

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	string	M	1
	A sequential individual line identifier within a document containing service or item information.			
	ItemDetailChangeCode	string	M	1
	A code identifying the type of change to the line item.			
	Add			
	Delete			
	ModifyPrice			
	ModifyQuantity			
	ModifyLocation			
	ModifyPartner			
	ModifyPaymentTerms			
	ModifyTransportInformation			
	ModifyScheduleDates			
	ModifyOther			
	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.			
	PurchaseOrderLineItemNumber	string	O	1
	A sequential individual line identifier within a purchase order document containing product or item information.			
	PurchaseOrderInformation		O	1
	A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.			
	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.			
	OrderChangeSubLineItem		O	U
	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.			
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	string	M	1
	The sub-line item number relating to the primary line item referenced in the message.			
	<u>ItemDetailChangeCode</u>	string	M	1
	A code identifying the type of change to the line item.			
	Add			
	Delete			
	ModifyPrice			
	ModifyQuantity			
	ModifyLocation			
	ModifyPartner			
	ModifyPaymentTerms			
	ModifyTransportInformation			
	ModifyScheduleDates			
	ModifyOther			
	<u>LineItemInformation</u>		M	1
	A collection of elements detailing identifying information about a line item.			
	<u>OrderQuantity</u>		M	1
	The number of units of an item or service ordered.			
	<u>CommodityCode</u>	string	O	U
	A code indicating the categorization of a product or service in accordance with a particular standard.			
	PurchaseOrderSubLineItemNumber	string	O	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.			
	<u>PurchaseOrderInformation</u>		O	1
	A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.			
	<u>PartnerInformation</u>		O	U
	A collection of elements detailing partner information.			
	<u>JobLocationInformation</u>		O	1
	A collection of elements giving details of a job location.			
	<u>Pricing</u>		O	1
	A collection of elements detailing price information.			
	<u>AllowanceOrCharge</u>		O	U
	A collection of elements defining the details of an allowance or charge to the customer.			
	<u>Tax</u>		O	U
	A collection of elements detailing information about tax applied to a transaction.			
	<u>LineItemTotal</u>		O	1
	The net total monetary amount for the line item.			
	<u>ServiceDateTime</u>	datetime	O	U
	The actual and/or schedule dates for a service.			
	<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>CreditCardInformation</u>		O	1
	A collection of elements defining the details of a credit card.			
	<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>OrderChangeLineItem</u>			

OrderChangeSummary

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

note				
children	Name	Type	Use	Max
	TotalLineItems	integer	M	1
	The total number of line items contained in a message.			
	<u>TotalAmount</u>		O	1
	The total monetary amount of an order.			
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</p> <p>The identity of a physical box within a postal facility to accept and receive mail.</p> <p>BuildingHouseNumber</p> <p>The alphanumeric identifier of a building as a part of an address.</p> <p>StreetName</p> <p>The name of a street as part of an address.</p> <p>AddressLine</p> <p>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</p> <p>The name of the city or municipality.</p> <p>StateProvince</p> <p>The name of the municipality or town as a location for mailing, siting and other geographic functions.</p> <p>PostalCode</p> <p>The code assigned by local postal authorities to delivery addresses.</p> <p>PostalCountry</p> <p>The country code indicating the country to which mail should be delivered.</p> <p>CountyName</p> <p>The name of the county.</p> <p>LocationIdentifier</p> <p>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>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>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> <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		O	1
	The total monetary amount for the allowance or charge.			
	AllowanceOrChargeRate		O	1
	The rate per unit of the allowance or charge.			
	AllowanceOrChargePercent	decimal	O	1
	The allowance or charge expressed as a percentage.			
	AllowanceOrChargeNumber	string	O	1
	The identifier assigned by a vendor referencing an allowance, promotion, deal or charge.			
	AllowanceOrChargeTypeCode	string	O	1
	A code identifying the kind of allowance or charge being described.			
	Freight			
	FuelSurcharge			
	SpecialHandlingService			
	Discount			
	FlatRate			
	EngineeringCharge			
	InvoiceAdjustment			
	InsuranceSurcharge			
	OneTimeLicenseFee			
	Royalties			
	MiscellaneousCharge			
	PostageCharge			
	TrailerRentalCharge			
	TransportationDirectBilling			
	TransportationVendorProvided			
	Other			
	MethodOfHandlingCode	string	O	1
	A code which describes how a particular allowance or charge should be handled.			
	OffInvoice			
	ChargeToBePaidByCustomer			
	Other			
	AllowanceOrChargeDescription	string	O	1
	A free form description used to clarify the related allowance and charge data elements and their content.			
	AllowanceOrChargeQuantity		O	1
	The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.			

parent(s)	OrderChangeLineItem OrderChangeSubLineItem
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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	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	OrderChangeDetails			
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)	AllowanceOrCharge			

AllowanceOrChargeRate

The rate per unit of the allowance or charge.

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

Attachment

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

note				
level	OrderChangeProperties OrderChangeDetails			
children	Name AttachmentPurposeCode A code to indicate the purpose of the attachment. Template Other FileName The name of the file in an attachment. AttachmentTitle The title of the attachment. AttachmentDescription A free-form textual description of the attachment. FileType The type of the file in an attachment. AttachmentLocation The location of the attachment, such as a URL.	Type string string string string string	Use O O O O O	Max 1 1 1 1 1

parent(s)	OrderChangeLineItem OrderChangeProperties OrderChangeSubLineItem
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Block

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

note					
level	OrderChangeProperties OrderChangeDetails				
children	Name BlockName The name of the block, which identifies a location. OCSGNumber The Outer Continental Shelf Gulf number. StateLease Lease on state land.	Type string string string	Use O O O	Max 1 1 1	
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 agencyIndicator A code indicating what agency or organization is responsible for defining the commodity code list.	Type string	Use O	Fixed	

ContactIdentifier

The identifier of the contact person or department.

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

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
parent(s)	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.			
	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	
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level	OrderChangeProperties OrderChangeDetails			
children	Name CountryCode A code indicating a country.	Type string	Use M	Max 1

	se theodelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions-Part 1:Country Codes.
parent(s)	ncd >rr:topreljp >tt >m OrderChanogProoerties OrderChan.z.SublineItem

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)	OrderChangeLinItem OrderChangeProperties OrderChangeSubLinItem			

CreditCardInformation

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

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

Deferred

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

note				
level	OrderChangeProperties OrderChangeDetails			
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	OrderChangeProperties OrderChangeDetails			
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)	Deferred			

DiscountAmount

The monetary amount of a discount based upon payment terms.

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

	Use theodelist from ISO 4217:2001 Codes for the representation of currencies and funds.
parent(s)	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				
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 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	OrderChangeProperties OrderChangeDetails			
parent(s)	JobLocationInformation			
attributes	Name 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	Type string	Use O	Fixed

JobLocationInformation

A collection of elements giving details of a job location.

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

parent(s)	OrderChangeLineItem OrderChangeProperties OrderChangeSubLineItem
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LinItemIdentifier

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

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

LinItemInformation

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

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

LinItemTotal

The net total monetary amount for the line item.

note				
level	OrderChangeDetails			
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)	OrderChangeLineItem OrderChangeSubLineItem
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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	
	A collection of elements defining the details of an address.				
children	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				

OrderQuantity

The number of units of an item or service ordered.

note				
level	OrderCreateDetails OrderResponse OrderResponseDetails OrderChangeDetails			
children	Name Quantity A numeric count of measure. UnitOfMeasureCode A code identifying the units in which measurement is expressed.	Type decimal string	Use M M	Max 1 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 partnerIdentifierIndicator A code to identify the origin of the Partner Identifier. AssignedByBuyer AssignedBySeller DUNSNumber DUNS+4Number Other	Type string	Use M	Fixed

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	<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</p> <p>InvoiceDate</p> <p>InvoiceReceiptDate</p> <p>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>	<p>Type</p> <p>string</p> <p>string</p> <p>string</p> <p>date</p> <p>integer</p> <p>decimal</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>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
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	
level	<p>OrderChangeProperties</p> <p>OrderChangeDetails</p>

children	<p>Name</p> <p>CountryCode</p> <p>A code indicating a country.</p> <p>Use theodelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions – Part 1: Country Codes.</p>	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	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.			
	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.			
	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	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)	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 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.	Type string string	Use M O	Max 1 1
parent(s)	OrderChangeLineItem OrderChangeProperties OrderChangeSubLineItem			
attributes	Name referenceInformationIndicator 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	Type string	Use M	Fixed

SecondCurrency

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

note				
level	OrderChangeProperties			
children	Name 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 string	Use M	Max 1
parent(s)	OrderChangeProperties			

ServiceDateTime

The actual and/or schedule dates for a service.

note	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. 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. If no time is to be given then use zeroes in the hh, mm and ss fields. 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.			
level	OrderChangeProperties OrderChangeDetails			
parent(s)	OrderChangeLineItem OrderChangeProperties OrderChangeSubLineItem			
attributes	Name dateTypeIndicator A code to identify which date being given. ArriveLocationDate InvoiceDueDate InvoicePeriodStartDate LeaveLocationDate PromisedForDelivery PromisedForShipment RequestedForDelivery RequestedForShipment ServicePeriodEnd ServicePeriodStart ShipDate Other	Type string	Use M	Fixed

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 O	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			
	TaxLocation		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.			
	TaxBasisAmount		O	1
	The monetary amount which is subject to tax.			
	TaxAmount		O	1
	The monetary amount of the tax.			
	TaxReference	string	O	1
	A free-form textual explanation or clarification.			

parent(s)	OrderChangeLineItem OrderChangeSubLineItem
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TaxAmount

The monetary amount of the tax.

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)	Tax				

TaxBasisAmount

The monetary amount which is subject to tax.

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)	Tax				

TaxInformation

A collection of elements detailing tax information about a partner.

note					
level	OrderChangeProperties				
	OrderChangeDetails				
children	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.				
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.				
	LocationDescription	string	O	1	
	Free-form textual description of the location.				
	AddressInformation		O	1	
parent(s)	A collection of elements defining the details of an address.				
	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.				
	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.				
	ContactInformation				
parent(s)					
attributes	Name	Type	Use	Fixed	
	telephoneIndicator	string	O		
	A code to indicate the type of phone number being given.				
	Fax				
	Mobile				
	Pager				
	Voice				
	Other				

TotalAmount

The total monetary amount of an order.

note					
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level	OrderChangeSummary			
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)	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

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

UnitPrice

A collection of elements detailing how product is transported.

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

WellInformation

A collection of elements detailing information about a well.

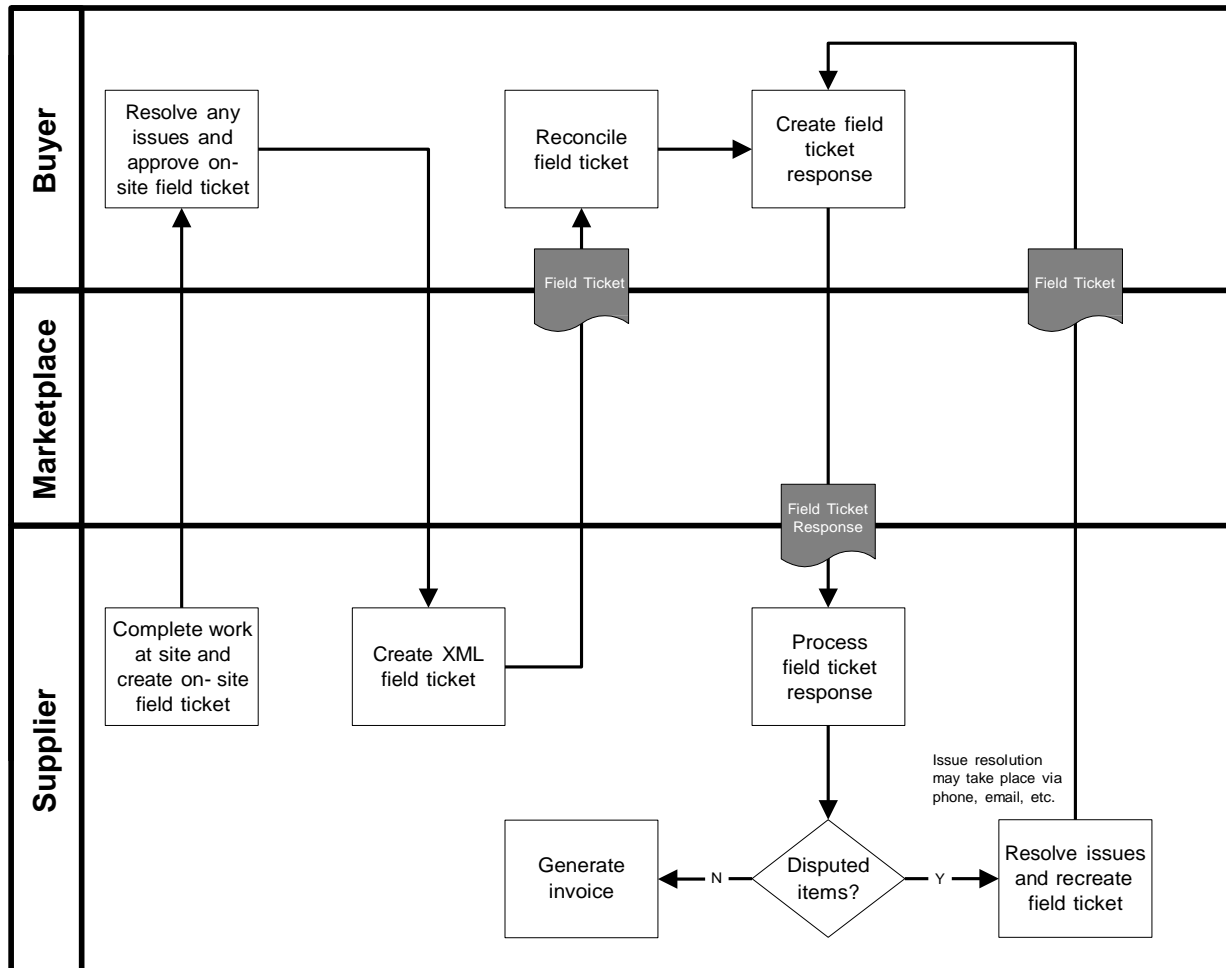
note	
level	OrderChangeProperties OrderChangeDetails

children	Name	Type	Use	Max
	WellIdentifier	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)	JobLocationInformation			

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

A collection of elements detailing information about a telephone number.

3	note						
	level	OrderCreateProperties OrderCreateDetails					
children	Name 5 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 8 string string string string	Use M O O O	Max 1 1 1 1	
parent(s)	ContactInformation						
attributes	Name 10 telephoneIndicator A code to indicate the type of phone number being given. Fax Mobile Pager Voice Other	11	14	12	Type 13 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.

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				
children	Name	Type	Use	Max
	FieldTicketProperties		M	1
	A collection of elements defining the field ticket "meta-data" or "common data".			
	FieldTicketDetails		M	1
attributes	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.			
	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

	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)	FieldTicket			

FieldTicketDetails

A collection of elements defining the details of the Field Ticket message.

note				
children	Name	Type	Use	Max
	FieldTicketLineItem		M	U
	A collection of elements defining the details of the line items making up the field ticket			
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	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.			
	FieldTicketQuantity		M	1
	The number of units of an item or service consumed.			
	CommodityCode	string	O	U
	A code indicating the categorization of a product or service in accordance with a particular standard.			
	PurchaseOrderSubLineItemNumber	string	O	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.			
	PurchaseOrderInformation		O	1
	A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.			
	PersonnelInformation		O	U
	A collection of elements detailing relevant personnel information.			
	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.			
	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.			
	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.			
	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.			
	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.			
	FieldTicketSubLineItem		O	U
	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.			
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	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.			
	FieldTicketQuantity		M	1
	The number of units of an item or service consumed.			
	CommodityCode	string	O	U
	A code indicating the categorization of a product or service in accordance with a particular standard.			
	PurchaseOrderSubLineItemNumber	string	O	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.			
	PurchaseOrderInformation		O	1
	A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.			
	PersonnelInformation		O	U
	A collection of elements detailing relevant personnel information.			
	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.			
	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.			
	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.			
	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

	<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</p> <p>SkidPalletType</p> <p>TypeOfPackage</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>
parent(s)	FieldTicketLineItem

FieldTicketSummary

A collection of elements detailing the totals of the field ticket.

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>AllowanceOrCharge O U</p> <p>A collection of elements defining the details of an allowance or charge to the customer.</p> <p>ShippingAmount O U</p> <p>The monetary amount of shipping or freight charges.</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>FieldTicketTotal O 1</p> <p>The total monetary amount of the field ticket.</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)	FieldTicket
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AddressInformation

A collection of elements defining the details of an address.

note				
level	FieldTicketProperties FieldTicketDetails			
children	Name POBoxNumber The identity of a physical box within a postal facility to accept and receive mail. BuildingHouseNumber The alphanumeric identifier of a building as a part of an address. StreetName The name of a street as part of an address. 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. CityName The name of the city or municipality. StateProvince The name of the municipality or town as a location for mailing, siting and other geographic functions. PostalCode The code assigned by local postal authorities to delivery addresses. PostalCountry The country code indicating the country to which mail should be delivered. CountyName The name of the county. LocationIdentifier A unique identifier for a physical location.	Type string string string string string string string string string string	Use O O O O O O O O O	Max 1 1 1 U 1 1 1 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		O	1
	The total monetary amount for the allowance or charge.			
	AllowanceOrChargeRate		O	1
	The rate per unit of the allowance or charge.			
	AllowanceOrChargePercent	decimal	O	1
	The allowance or charge expressed as a percentage.			
	AllowanceOrChargeNumber	string	O	1
	The identifier assigned by a vendor referencing an allowance, promotion, deal or charge.			
	AllowanceOrChargeTypeCode	string	O	1
	A code identifying the kind of allowance or charge being described.			
	Freight			
	FuelSurcharge			
	SpecialHandlingService			
	Discount			
	FlatRate			
	EngineeringCharge			
	InvoiceAdjustment			
	InsuranceSurcharge			
	OneTimeLicenseFee			
	Royalties			
	MiscellaneousCharge			
	PostageCharge			
	TrailerRentalCharge			
	TransportationDirectBilling			
	TransportationVendorProvided			
	Other			
	MethodOfHandlingCode	string	O	1
	A code which describes how a particular allowance or charge should be handled.			
	OffInvoice			
	ChargeToBePaidByCustomer			
	Other			
	AllowanceOrChargeDescription	string	O	1
	A free form description used to clarify the related allowance and charge data elements and their content.			
	AllowanceOrChargeQuantity		O	1
	The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.			

parent(s)	FieldTicketLineItem FieldTicketSubLineItem FieldTicketSummary
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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	FieldTicketDetails FieldTicketSummary			
parent(s)	AllowanceOrCharge			
attributes	Name percentIndicator A code indicating on what basis the allowance or charge percent is calculated.	Type string	Use O	Fixed

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 Quantity A numeric count of measure. 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.	Type decimal string	Use M M	Max 1 1
parent(s)	AllowanceOrCharge			

AllowanceOrChargeRate

The rate per unit of the allowance or charge.

note				
level	FieldTicketDetails FieldTicketSummary			
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)	AllowanceOrCharge			

AllowanceOrChargeTotalAmount

The total monetary amount for the allowance or charge.

note				
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level	FieldTicketDetails FieldTicketSummary			
children	Name MonetaryAmount The currency value of a transaction or item. CurrencyCode	Type decimal string	Use M O	Max 1 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	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	FieldTicketProperties FieldTicketDetails

children	Name	Type	Use	Max
	AttachmentPurposeCode	string	O	1
	A code to indicate the purpose of the attachment.			
	Template			
	Other			
	FileName	string	O	1
	The name of the file in an attachment.			
	AttachmentTitle	string	O	1
	The title of the attachment.			
	AttachmentDescription	string	O	1
A free-form textual description of the attachment.				
parent(s)	FileType	string	O	1
	The type of the file in an attachment.			
	AttachmentLocation	string	O	1
	The location of the attachment, such as a URL.			
	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 BlockName The name of the block, which identifies a location. OCSGNumber The Outer Continental Shelf Gulf number. StateLease Lease on state land.	Type string string string	Use O O O	Max 1 1 1
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 agencyIndicator A code indicating what agency or organization is responsible for defining the commodity code list.	Type string	Use O	Fixed

ContactIdentifier

The identifier of the contact person or department.

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

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.			
parent(s)	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.			
	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	
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level	FieldTicketProperties FieldTicketDetails			
children	Name CountryCode A code indicating a country.	Type string	Use M	Max 1

	se theodelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions-Part 1:Country Codes.	1
parent(s)	fjt>ldljpkkffll jpt>ttPm FieldTicket.Properties FieldTicketSublinetem	

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

	Use theodelist 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	FieldTicketProperties FieldTicketDetails			
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)	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 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)	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	O	1
	The number of days from the payment terms basis date before a discount expires.			
	DiscountsDueDate	date	O	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	O	1
	A discount to be applied to the transaction expressed as a percentage.			
	<u>DiscountAmount</u>		O	1
	The monetary amount of a discount based upon payment terms.			
	Description	string	O	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	FieldTicketProperties FieldTicketDetails			
children	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			

FieldTicketQuantity

The number of units of an item or service consumed.

note				
level	FieldTicketProperties FieldTicketDetails			
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)	FieldTicketLineItem			
	FieldTicketSubLineItem			

FieldTicketTotal

The total monetary amount of the field ticket.

note				
level	FieldTicketSummary			
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)	FieldTicketSummary			

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 FieldName The name of the oil field. Section A part of Section/Township/Range location identifier scheme. Township A part of Section/Township/Range location identifier scheme. Range A part of Section/Township/Range location identifier scheme. Region The name of a geographic region. Block A collection of elements defining the details of a block, which identifies a location. GPSCoordinates A collection of elements containing latitude and longitude data for a specific location.	Type string string string string string	Use O O O O O O	Max 1 1 1 1 1
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	
level	FieldTicketProperties FieldTicketDetails
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	FieldTicketProperties FieldTicketDetails			
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	FieldTicketProperties FieldTicketDetails			
parent(s)	JobLocationInformation			
attributes	Name 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	Type string	Use O	Fixed

JobLocationInformation

A collection of elements giving details of a job location.

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

parent(s)	FieldTicketLineItem FieldTicketProperties FieldTicketSubLineItem
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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.			
	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.			
	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
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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	
	A collection of elements defining the details of an address.				
children	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				

PartnerIdentifier

A unique identifier indicating a particular partner or organization.

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

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	<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</p> <p>InvoiceDate</p> <p>InvoiceReceiptDate</p> <p>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>	<p>Type</p> <p>string</p> <p>string</p> <p>string</p> <p>date</p> <p>integer</p> <p>decimal</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>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
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	O	1
	CompanyName The name of the company.	string	O	1
	PersonnelIdentifier A unique identifier for an employee of an organization.	string	O	1
	<u>TimeWorked</u> The time period worked by a specific employee completing a service.		O	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 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	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 decimal string string	Use O O M O	Max 1 1 1 1
parent(s)	Pricing			

Pricing

A collection of elements detailing price information.

note	
level	FieldTicketDetails

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
			M	1
			O	U
parent(s)	<p>FieldTicketLineItem</p> <p>FieldTicketSubLineItem</p>			

PrimaryCurrency

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

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>	<p>Type</p> <p>string</p>	<p>Use</p> <p>M</p>	<p>Max</p> <p>1</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	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)	FieldTicketLinItem FieldTicketProperties FieldTicketSubLinItem			

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 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.	Type string string	Use M O	Max 1 1
parent(s)	FieldTicketLineItem FieldTicketProperties FieldTicketSubLineItem			
attributes	Name referenceInformationIndicator 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	Type string	Use M	Fixed

SecondCurrency

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

note				
level	FieldTicketProperties			
children	Name 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 string	Use M	Max 1
parent(s)	FieldTicketProperties			

ServiceDateTime

The actual and/or schedule dates for a service.

note	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. 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. If no time is to be given then use zeroes in the hh, mm and ss fields. 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.			
level	FieldTicketProperties FieldTicketDetails			
parent(s)	FieldTicketLineItem FieldTicketProperties FieldTicketSubLineItem			
attributes	Name dateTypeIndicator A code to identify which date being given. ArriveLocationDate InvoiceDueDate InvoicePeriodStartDate LeaveLocationDate PromisedForDelivery PromisedForShipment RequestedForDelivery RequestedForShipment ServicePeriodEnd ServicePeriodStart ShipDate Other	Type string	Use M	Fixed

ShippingAmount

The monetary amount of shipping or freight charges.

note				
level	FieldTicketDetails FieldTicketSummary			
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 theodelist from ISO 4217:2001 Codes for the representation of currencies and funds.	Type decimal string	Use M O	Max 1 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 instructionIndicator A code to identify the type of instruction being given. CarrierInstructions ConsigneeInstructions DriverInstructions EmptyReturnInstructions InspectionInstructions RoutingInstructions ShipperInstructions ShortLeadTime Tolerances Other	Type string	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	FieldTicketSummary			
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)	FieldTicketSummary			
attributes	Name	Type	Use	Fixed
	subTotalIndicator	string	M	
	A code to indicate the type of subtotal being given.			
	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	FieldTicketDetails FieldTicketSummary			
children	<p>Name</p> <p>TaxTypeCode</p> <p>A code indicating the kind of tax being applied.</p> <p>CitySalesTax</p> <p>CountyParishSalesTax</p> <p>CountyTax</p> <p>FederalExciseTax</p> <p>GoodsAndServicesTax</p> <p>GrossReceiptsTax</p> <p>LocalTax</p> <p>MetropolitanTransitTax</p> <p>StateAndLocalSalesTax</p> <p>StateProvincialTax</p> <p>StateSalesTax</p> <p>ValueAddedTax</p> <p>WellServiceTax</p> <p>Other</p> <p>MixedRateIndicator</p> <p>A mixed rate VAT tax indicator. This is used for European tax purposes.</p> <p>TaxIdentifierNumber</p> <p>A unique number or code issued to an organization by a governmental or regulatory body identifying that entity for tax purposes.</p> <p>TaxExemptCode</p> <p>A code identifying exemption status from sales and use tax.</p> <p>DirectPay</p> <p>Exempt</p> <p>NonExempt</p> <p>Other</p> <p>TaxLocation</p> <p>The physical or deemed location at which tax is calculated based upon jurisdiction by a governmental or regulatory body.</p> <p>TaxRate</p> <p>The percentage or monetary amount charged on a transaction.</p> <p>TaxBasisAmount</p> <p>The monetary amount which is subject to tax.</p> <p>TaxAmount</p> <p>The monetary amount of the tax.</p> <p>TaxReference</p> <p>A free-form textual explanation or clarification.</p>	<p>Type</p> <p>string</p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p>string</p> <p></p> <p>string</p> <p></p> <p>string</p> <p></p> <p></p> <p></p> <p></p> <p></p> <p>decimal</p> <p></p> <p></p> <p></p> <p>string</p>	<p>Use</p> <p>M</p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p>O</p> <p></p> <p>O</p> <p></p> <p>O</p> <p></p> <p>O</p> <p></p> <p>O</p>	<p>Max</p> <p>1</p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p>1</p> <p></p> <p>1</p> <p></p> <p>1</p> <p></p> <p>1</p>

parent(s)	FieldTicketLineItem FieldTicketSubLineItem FieldTicketSummary
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TaxAmount

The monetary amount of the tax.

note					
level	FieldTicketDetails FieldTicketSummary				
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)	Tax				

TaxBasisAmount

The monetary amount which is subject to tax.

note					
level	FieldTicketDetails FieldTicketSummary				
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)	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	O	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	O	1
	TaxCertificateType The category of tax certificate for which an identifying number is issued.	string	O	1
	TaxCertificateNumber The identifying number for a tax certificate such as tax exemption, sales and use tax certificate or other such document.	string	O	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			
	Mobile			
	Pager			
	Voice			
	Other			

TermsDiscountAmount

The total monetary amount of the payment terms discount.

note				
level	FieldTicketSummary			
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)	FieldTicketSummary			

TimeWorked

The time period worked by a specific employee completing a service.

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

WellInformation

A collection of elements detailing information about a well.

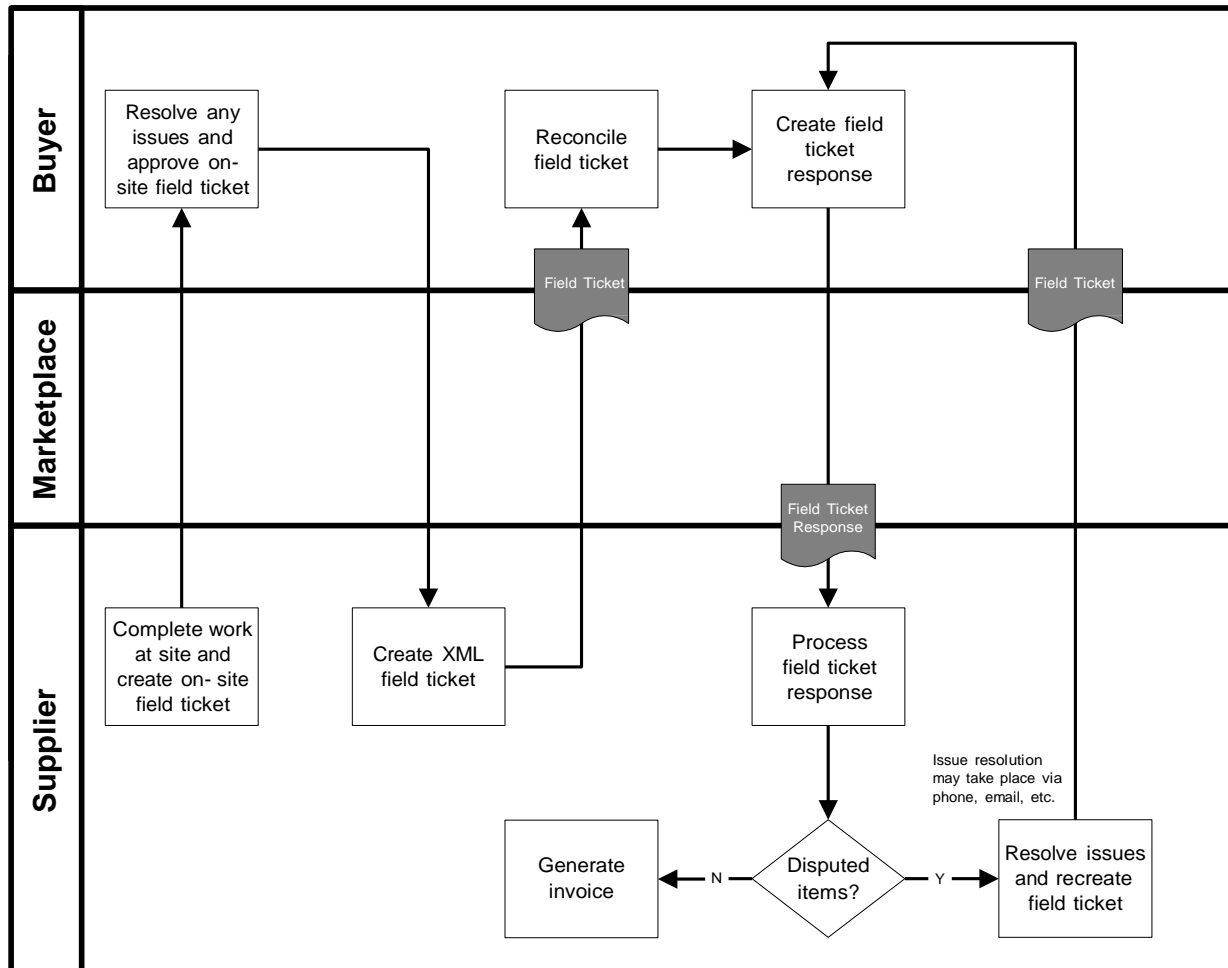
note	
level	FieldTicketProperties FieldTicketDetails

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			

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

A collection of elements detailing information about a telephone number.

note						
level	OrderCreateProperties OrderCreateDetails					
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. Fax Mobile Pager Voice Other			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.

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

	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.			
	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.			
	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.			
	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.			
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	string	M	1
	The sub-line item number relating to the primary line item referenced in the message.			
	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.			
	ChangeDescription	string	O	1
	A free-form textual description of changes made.			
	LineItemInformation		M	1
	A collection of elements detailing identifying information about a line item.			
	FieldTicketQuantity		M	1
	The number of units of an item or service consumed.			
	CommodityCode	string	O	U
	A code indicating the categorization of a product or service in accordance with a particular standard.			
	PurchaseOrderSubLineItemNumber	string	O	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.			
	PurchaseOrderInformation		O	1
	A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.			
	PersonnelInformation		O	U
	A collection of elements detailing relevant personnel information.			
	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.			
	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.			
	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.			
	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.			
	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)	FieldTicketResponseLineItem			

FieldTicketResponseSummary

A collection of elements detailing the totals of the acknowledgement.

note	
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children	Name	Type	Use	Max
	TotalLineItems	integer	M	1
	The total number of line items contained in a message.			
	AllowanceOrCharge		O	U
	A collection of elements defining the details of an allowance or charge to the customer.			
	ShippingAmount		O	U
	The monetary amount of shipping or freight charges.			
	Tax		O	U
	A collection of elements detailing information about tax applied to a transaction.			
	SubTotalAmount		O	U

	<p>The monetary amount of the subtotal. It is qualified by the subTotalIndicator attribute which identifies what the subtotal is referencing.</p> <p>FieldTicketTotal O 1</p> <p>The total monetary amount of the field ticket.</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)	FieldTicketResponse

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

parent(s)	FieldTicketResponseLineItem FieldTicketResponseSubLineItem FieldTicketResponseSummary
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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 percentIndicator A code indicating on what basis the allowance or charge percent is calculated.	Type string	Use O	Fixed

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 Quantity A numeric count of measure. 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.	Type decimal string	Use M M	Max 1 1
parent(s)	AllowanceOrCharge			

AllowanceOrChargeRate

The rate per unit of the allowance or charge.

note				
level	FieldTicketResponseDetails FieldTicketResponseSummary			
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)	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 theodelist 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	<div>Name</div> <div>alternativeCommunicationMethodIndicator</div> <div>A code to indicate the type of alternative communication method.</div> <div>AUTOVON</div> <div>EDIAccessNumber</div> <div>FederalTelecommunicationsSystem</div> <div>IPAddress</div> <div>PacketSwitching</div> <div>PrinterID</div> <div>StationCode</div> <div>Telemail</div> <div>Telex</div> <div>TWX</div> <div>Other</div>	<div>Type</div> <div>string</div>	<div>Use</div> <div>M</div>	<div>Fixed</div>

Attachment

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

note	
level	FieldTicketResponseProperties FieldTicketResponseDetails

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

[FieldTicketResponse SublineItem](#)

Block

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

note				
level	FieldTicketResponseProperties FieldTicketResponseDetails			
children	Name BlockName The name of the block, which identifies a location. OCSGNumber The Outer Continental Shelf Gulf number. StateLease Lease on state land.	Type string string string	Use O O O	Max 1 1 1
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 agencyIndicator A code indicating what agency or organization is responsible for defining the commodity code list.	Type string	Use O	Fixed

ContactIdentifier

The identifier of the contact person or department.

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

level	FieldTicketResponseProperties FieldTicketResponseDetails			
children	Name CountryCode A code indicating a country.	Type string	Use M	Max 1

	se the codelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions-Part 1:Country Codes.
parent(s)	fj >ldljp kfflB >spms>Ljp >tt>m Fieldticket.Response Properties Fieldticket.Response Subline Item

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

	Use theodelist 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	FieldTicketResponseProperties FieldTicketResponseDetails			
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)	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 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)	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	O	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	O	1
	PercentDiscount A discount to be applied to the transaction expressed as a percentage.	decimal	O	1
	<u>DiscountAmount</u> The monetary amount of a discount based upon payment terms.		O	1
	Description A free-form textual explanation or clarification.	string	O	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 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			

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 FieldTicketNumber A unique identifier for a Field Ticket. 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. 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.	Type string date string	Use M O O	Max 1 1 1
parent(s)	FieldTicketResponseProperties			

FieldTicketQuantity

The number of units of an item or service consumed.

note				
level	FieldTicketResponseDetails			
children	Name Quantity A numeric count of measure. 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.	Type decimal string	Use M M	Max 1 1
parent(s)	FieldTicketResponseLineItem FieldTicketResponseSubLineItem			

FieldTicketTotal

The total monetary amount of the field ticket.

note				
level	FieldTicketResponseSummary			
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)	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	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	FieldTicketResponseProperties FieldTicketResponseDetails			

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				
level	FieldTicketResponseProperties FieldTicketResponseDetails			
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	FieldTicketResponseProperties FieldTicketResponseDetails			
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	FieldTicketResponseProperties FieldTicketResponseDetails			
parent(s)	JobLocationInformation			

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

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

PartnerInformation

A collection of elements detailing partner information.

note				
level	FieldTicketResponseProperties FieldTicketResponseDetails			
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)	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	<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</p> <p>InvoiceDate</p> <p>InvoiceReceiptDate</p> <p>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>	<p>Type</p> <p>string</p> <p>string</p> <p>string</p> <p>date</p> <p>integer</p> <p>decimal</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>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
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	O	1
	CompanyName The name of the company.	string	O	1
	PersonnelIdentifier A unique identifier for an employee of an organization.	string	O	1
	<u>TimeWorked</u> The time period worked by a specific employee completing a service.		O	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 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	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 decimal string string	Use O O M O	Max 1 1 1 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
			M	1
			O	U
parent(s)	<p>FieldTicketResponseLineItem</p> <p>FieldTicketResponseSubLineItem</p>			

PrimaryCurrency

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

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			

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			

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 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.	Type string string	Use M O	Max 1 1
parent(s)	FieldTicketResponseLineItem FieldTicketResponseProperties FieldTicketResponseSubLineItem			
attributes	Name referenceInformationIndicator 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	Type string	Use M	Fixed

SecondCurrency

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

note				
level	FieldTicketResponseProperties			
children	Name 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 string	Use M	Max 1
parent(s)	FieldTicketResponseProperties			

ServiceDateTime

The actual and/or schedule dates for a service.

note	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. 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. If no time is to be given then use zeroes in the hh, mm and ss fields. 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.			
level	FieldTicketResponseProperties FieldTicketResponseDetails			
parent(s)	FieldTicketResponseLineItem FieldTicketResponseProperties FieldTicketResponseSubLineItem			
attributes	Name dateTypeIndicator A code to identify which date being given. ArriveLocationDate InvoiceDueDate InvoicePeriodStartDate LeaveLocationDate PromisedForDelivery PromisedForShipment RequestedForDelivery RequestedForShipment ServicePeriodEnd ServicePeriodStart ShipDate Other	Type string	Use M	Fixed

ShippingAmount

The monetary amount of shipping or freight charges.

note				
level	FieldTicketResponseDetails FieldTicketResponseSummary			
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)	FieldTicketResponseLineItem FieldTicketResponseSubLineItem FieldTicketResponseSummary			

SpecialInstructions

A free-form textual description of special requirements.

note				
level	FieldTicketResponseProperties FieldTicketResponseDetails			
parent(s)	FieldTicketResponseLineItem FieldTicketResponseProperties FieldTicketResponseSubLineItem			
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 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	FieldTicketResponseSummary			
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 theodelist from ISO 4217:2001 Codes for the representation of currencies and funds.			
parent(s)	FieldTicketResponseSummary			
attributes	Name	Type	Use	Fixed
	subTotalIndicator	string	M	
	A code to indicate the type of subtotal being given.			
	Equipment			
	Labor			
	Materials			
	Other			

Tax

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

[illegible]

parent(s)	FieldTicketResponseLineItem FieldTicketResponseSubLineItem FieldTicketResponseSummary
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TaxAmount

The monetary amount of the tax.

note					
level	FieldTicketResponseDetails FieldTicketResponseSummary				
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)	Tax				

TaxBasisAmount

The monetary amount which is subject to tax.

note					
level	FieldTicketResponseDetails FieldTicketResponseSummary				
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)	Tax				

TaxInformation

A collection of elements detailing tax information about a partner.

note					
level	FieldTicketResponseProperties FieldTicketResponseDetails				

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	O	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	O	1
	TaxCertificateType The category of tax certificate for which an identifying number is issued.	string	O	1
	TaxCertificateNumber The identifying number for a tax certificate such as tax exemption, sales and use tax certificate or other such document.	string	O	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					
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level	FieldTicketResponseSummary			
children	Name	Type	Use	Max
	MonetaryAmount	decimal	M	1
	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.	string	O	1
parent(s)	FieldTicketResponseSummary			

TimeWorked

The time period worked by a specific employee completing a service.

note				
level	FieldTicketResponseDetails			
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)	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	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)	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	string	O	
	A code to indicate the origin of the Well Identifier.			
	Number			
	CustomerNumber			
	UWINumber			
	Other			

WellInformation

A collection of elements detailing information about a well.

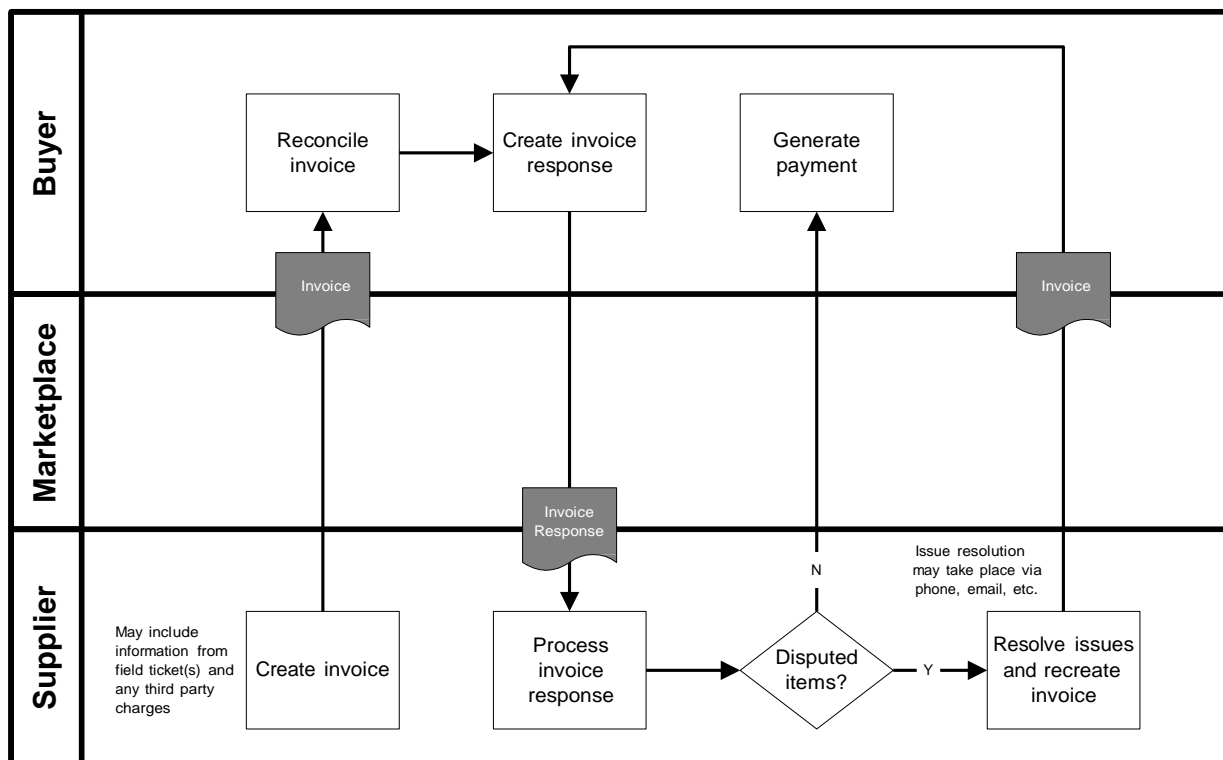
note	
level	FieldTicketResponseProperties FieldTicketResponseDetails

children	Name	Type	Use	Max
	WellIdentifier	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)	JobLocationInformation			

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

A collection of elements detailing information about a telephone number.

3	note						
	level	OrderCreateProperties OrderCreateDetails					
children	Name 5 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 8 string string string string	Use M O O O	Max 1 1 1 1	
parent(s)	ContactInformation						
attributes	Name 10 telephoneIndicator A code to indicate the type of phone number being given. Fax Mobile Pager Voice Other	11	14	12	Type 13 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.

14.3 Document Detail

Invoice

The root element of the Invoice message. It is used to bill for goods or services.

note				
children	Name	Type	Use	Max
	InvoiceProperties		M	1
	A collection of elements defining the invoice "meta-data" or "common data".			
	InvoiceDetails		M	1
attributes	A collection of elements defining the details of the Invoice message.			
	InvoiceSummary		M	1
	A collection of elements detailing the totals of the invoice.			
	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 theodelist 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	Type	Use	Max
	InvoiceLineItem		M	U
	A collection of elements defining the details of the line items making up the invoice.			
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	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.			
	InvoiceQuantity		M	1
	The number of units of an item or service invoiced.			
	PurchaseOrderLineItemNumber	string	O	1
	A sequential individual line identifier within a purchase order document containing product or item information.			
	FieldTicketLineItemNumber	string	O	1
	A sequential individual line identifier within a Field Ticket document containing product or item information.			
	FieldTicketInformation		O	1
	A collection of elements containing relevant field ticket information which needs to be referenced within other documentation and/or messages.			
	PurchaseOrderInformation		O	1
	A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.			
	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.			
	PersonnelInformation		O	U
	A collection of elements detailing relevant personnel information.			
	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.			
	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.			
	InvoiceSubLineItem		O	U
	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.			
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	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.			
	InvoiceQuantity		M	1
	The number of units of an item or service invoiced.			
	PurchaseOrderSubLineItemNumber	string	O	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.			
	FieldTicketLineSubItemNumber	string	O	1
	A sequential individual sub-line identifier within a Field Ticket document containing product or item information that relates back to a parent line item.			
	FieldTicketInformation		O	1
	A collection of elements containing relevant field ticket information which needs to be referenced within other documentation and/or messages.			
	PurchaseOrderInformation		O	1
	A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.			
	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.			
	PersonnelInformation		O	U
	A collection of elements detailing relevant personnel information.			
	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.			
	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)	InvoiceLineItem			

InvoiceSummary

A collection of elements detailing the totals of the invoice.

note	
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children	Name	Type	Use	Max
	TotalLineItems	integer	M	1
	The total number of line items contained in a message.			
	<u>InvoiceTotal</u>		M	1
	The total amount payable including tax and related charges.			
	<u>AllowanceOrCharge</u>		O	U
	A collection of elements defining the details of an allowance or charge to the customer.			
	<u>ShippingAmount</u>		O	1
	A free-form textual description of special requirements.			
	<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.			
	<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			

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installment amount less cash discount.)

parent(s)

AddressInformation

A collection of elements defining the details of an address.

note				
level	InvoiceProperties InvoiceDetails			
children	Name POBoxNumber The identity of a physical box within a postal facility to accept and receive mail. BuildingHouseNumber The alphanumeric identifier of a building as a part of an address. StreetName The name of a street as part of an address. 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. CityName The name of the city or municipality. StateProvince The name of the municipality or town as a location for mailing, siting and other geographic functions. PostalCode The code assigned by local postal authorities to delivery addresses. PostalCountry The country code indicating the country to which mail should be delivered. CountyName The name of the county. LocationIdentifier A unique identifier for a physical location.	Type string string string string string string string string string string	Use O O O O O O O O O	Max 1 1 1 U 1 1 1 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		O	1
	The total monetary amount for the allowance or charge.			
	AllowanceOrChargeRate		O	1
	The rate per unit of the allowance or charge.			
	AllowanceOrChargePercent	decimal	O	1
	The allowance or charge expressed as a percentage.			
	AllowanceOrChargeNumber	string	O	1
	The identifier assigned by a vendor referencing an allowance, promotion, deal or charge.			
	AllowanceOrChargeTypeCode	string	O	1
	A code identifying the kind of allowance or charge being described.			
	Freight			
	FuelSurcharge			
	SpecialHandlingService			
	Discount			
	FlatRate			
	EngineeringCharge			
	InvoiceAdjustment			
	InsuranceSurcharge			
	OneTimeLicenseFee			
	Royalties			
	MiscellaneousCharge			
	PostageCharge			
	TrailerRentalCharge			
	TransportationDirectBilling			
	TransportationVendorProvided			
	Other			
	MethodOfHandlingCode	string	O	1
	A code which describes how a particular allowance or charge should be handled.			
	OffInvoice			
	ChargeToBePaidByCustomer			
	Other			
	AllowanceOrChargeDescription	string	O	1
	A free form description used to clarify the related allowance and charge data elements and their content.			
	AllowanceOrChargeQuantity		O	1
	The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.			

parent(s)	InvoiceLineItem InvoiceSubLineItem InvoiceSummary
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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 percentIndicator A code indicating on what basis the allowance or charge percent is calculated.	Type string	Use O	Fixed

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 Quantity A numeric count of measure. 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.	Type decimal string	Use M M	Max 1 1
parent(s)	AllowanceOrCharge			

AllowanceOrChargeRate

The rate per unit of the allowance or charge.

note				
level	InvoiceDetails InvoiceSummary			
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)	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 theodelist 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	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	InvoiceProperties InvoiceDetails

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

[InvoiceSublineItem](#)

Block

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

note					
level	InvoiceProperties InvoiceDetails				
children	Name BlockName The name of the block, which identifies a location. OCSGNumber The Outer Continental Shelf Gulf number. StateLease Lease on state land.	Type string string string	Use O O O	Max 1 1 1	
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 agencyIndicator A code indicating what agency or organization is responsible for defining the commodity code list.	Type string	Use O	Fixed	

ContactIdentifier

The identifier of the contact person or department.

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

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 ContactIdentifier The identifier of the contact person or department. ContactName The name of the contact person within the organization. ContactDescription A free-form textual description of the contact. Telephone A collection of elements detailing information about a telephone number. EmailAddress The address assigned to a person or organization to receive electronic messages. 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.	Type string string string string string	Use O O O O O	Max 1 1 1 U 1 U
parent(s)	PartnerInformation			
attributes	Name contactInformationIndicator A code indicating the function of the contact. BuyerDepartment DeliveryContact DesignEngineer Engineer EnteredBy FieldRepresentative OfficeRepresentative OrderContact PurchasingAgent QuotePreparer QuoteRequestor RFQContact SalesRepresentative ServiceCoordinator TechnicalMarketingRepresentative Other	Type string	Use M	Fixed

CountryOfFinalDestination

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

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

	se theodelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions-Part 1:Country Codes.	1
parent(s)	!punjp >ljp >ttPm InvoiceProeerties InvoiceSublineItem	

CountryOfOrigin

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

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)	InvoiceLineItem InvoiceProperties InvoiceSubLineItem			

Deferred

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

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

	Use theodelist 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	InvoiceProperties InvoiceDetails			
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)	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 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)	InvoiceSummary			

Discounts

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

note				
level	InvoiceProperties InvoiceDetails			

children	Name	Type	Use	Max
	DaysDue	integer	O	1
	The number of days from the payment terms basis date before a discount expires.			
	DiscountsDueDate	date	O	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	O	1
	A discount to be applied to the transaction expressed as a percentage.			
	DiscountAmount		O	1
	The monetary amount of a discount based upon payment terms.			
	Description	string	O	1
	A free-form textual explanation or clarification.			
parent(s)	PaymentTerms			

EffectiveDates

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

note					
level	InvoiceProperties InvoiceDetails				
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				

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 FieldTicketNumber A unique identifier for a Field Ticket. 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. 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.	Type string date string	Use M O O	Max 1 1 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	<p>Name FieldName The name of the oil field. Section A part of Section/Township/Range location identifier scheme. Township A part of Section/Township/Range location identifier scheme. Range A part of Section/Township/Range location identifier scheme. Region The name of a geographic region. Block A collection of elements defining the details of a block, which identifies a location. GPSCoordinates A collection of elements containing latitude and longitude data for a specific location.</p>	<p>Type string string string string</p>	<p>Use O O O O O</p>	<p>Max 1 1 1 1 1</p>
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	
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 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			

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	O	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	O	1
	A textual description of the commodity code.			
	TransactionNature	string	O	1
	Identifies the nature of the transaction			
	Should only be used at the InvoiceProperties level.			
	SupplementaryUnits	int	O	1
	????????????????			
	Should only be used at the InvoiceDetails level.			
	<u>CountryOfFinalDestination</u>		O	1
	The country where product is ultimately delivered or is deemed to have been delivered.			
	TransportMethodCode	string	O	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)	InvoiceLineItem InvoiceProperties InvoiceSubLineItem

InvoiceQuantity

The number of units of an item or service invoiced.

note				
level	InvoiceProperties InvoiceDetails			
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)	InvoiceLineItem InvoiceSubLineItem			

InvoiceTotal

The total amount payable including tax and related charges.

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			

JobLocationIdentifier

A unique identifier referencing the job location.

note				
level	InvoiceProperties InvoiceDetails			
parent(s)	JobLocationInformation			
attributes	Name 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	Type string	Use O	Fixed

JobLocationInformation

A collection of elements giving details of a job location.

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

parent(s)	InvoiceLineItem InvoiceProperties InvoiceSubLineItem
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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.			
	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.			
	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
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Location

A collection of elements giving details about a location.

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

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

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</p> <p>InvoiceDate</p> <p>InvoiceReceiptDate</p> <p>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>	<p>Type</p> <p>string</p> <p>string</p> <p>string</p> <p>string</p> <p>date</p> <p>integer</p> <p>decimal</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>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
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	O	1
	CompanyName The name of the company.	string	O	1
	PersonnelIdentifier A unique identifier for an employee of an organization.	string	O	1
	<u>TimeWorked</u> The time period worked by a specific employee completing a service.		O	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 O M O	Max 1 1 1 1
parent(s)	Pricing			

Pricing

A collection of elements detailing price information.

note	
level	InvoiceDetails

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
			M	1
			O	U
parent(s)	<p>InvoiceLineItem</p> <p>InvoiceSubLineItem</p>			

PrimaryCurrency

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

note				
level	InvoiceProperties			
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)	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				

RateOfExchangeDetail

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

note	
level	InvoiceProperties

children	Name	Type	Use	Max
	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.			
parent(s)	ExchangeRate	string	M	1
	An equation which converts monetary amounts into different denominations.			
	DateOfRateOfExchange	date	O	1
	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.			
InvoiceProperties				

ReferenceCurrency

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

note				
level	InvoiceProperties			
children	Name 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 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	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 Description A free-form textual explanation or clarification.	Type string string	Use M O	Max 1 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
	TemplateNumber
	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	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)	InvoiceLineItem InvoiceSubLineItem InvoiceSummary			

SpecialInstructions

A free-form textual description of special requirements.

note				
level	InvoiceProperties InvoiceDetails			
parent(s)	InvoiceLineItem InvoiceProperties InvoiceSubLineItem			
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 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	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			
attributes	Name	Type	Use	Fixed
	subTotalIndicator	string	M	
	A code to indicate the type of subtotal being given.			
	Equipment			
	Labor			
	Materials			
	Other			

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	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)	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			
	TaxLocation		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.			
	TaxBasisAmount		O	1
	The monetary amount which is subject to tax.			
	TaxAmount		O	1
	The monetary amount of the tax.			
	TaxReference	string	O	1
	A free-form textual explanation or clarification.			

parent(s)	InvoiceLineItem InvoiceSubLineItem InvoiceSummary
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TaxAmount

The monetary amount of the tax.

note					
level	InvoiceDetails InvoiceSummary				
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)	Tax				

TaxBasisAmount

The monetary amount which is subject to tax.

note					
level	InvoiceDetails InvoiceSummary				
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)	Tax				

TaxInformation

A collection of elements detailing tax information about a partner.

note					
level	InvoiceProperties InvoiceDetails				

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	O	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	O	1
	TaxCertificateType The category of tax certificate for which an identifying number is issued.	string	O	1
	TaxCertificateNumber The identifying number for a tax certificate such as tax exemption, sales and use tax certificate or other such document.	string	O	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.				
	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.				
	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					
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level	InvoiceSummary			
children	Name	Type	Use	Max
	MonetaryAmount	decimal	M	1
	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.	string	O	1
parent(s)	InvoiceSummary			

TimeWorked

The time period worked by a specific employee completing a service.

note				
level	InvoiceDetails			
children	Name Quantity A numeric count of measure. 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.	Type decimal string	Use M M	Max 1 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	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 CustomerNumber UWIDNumber Other	Type string	Use O	Fixed

WellInformation

A collection of elements detailing information about a well.

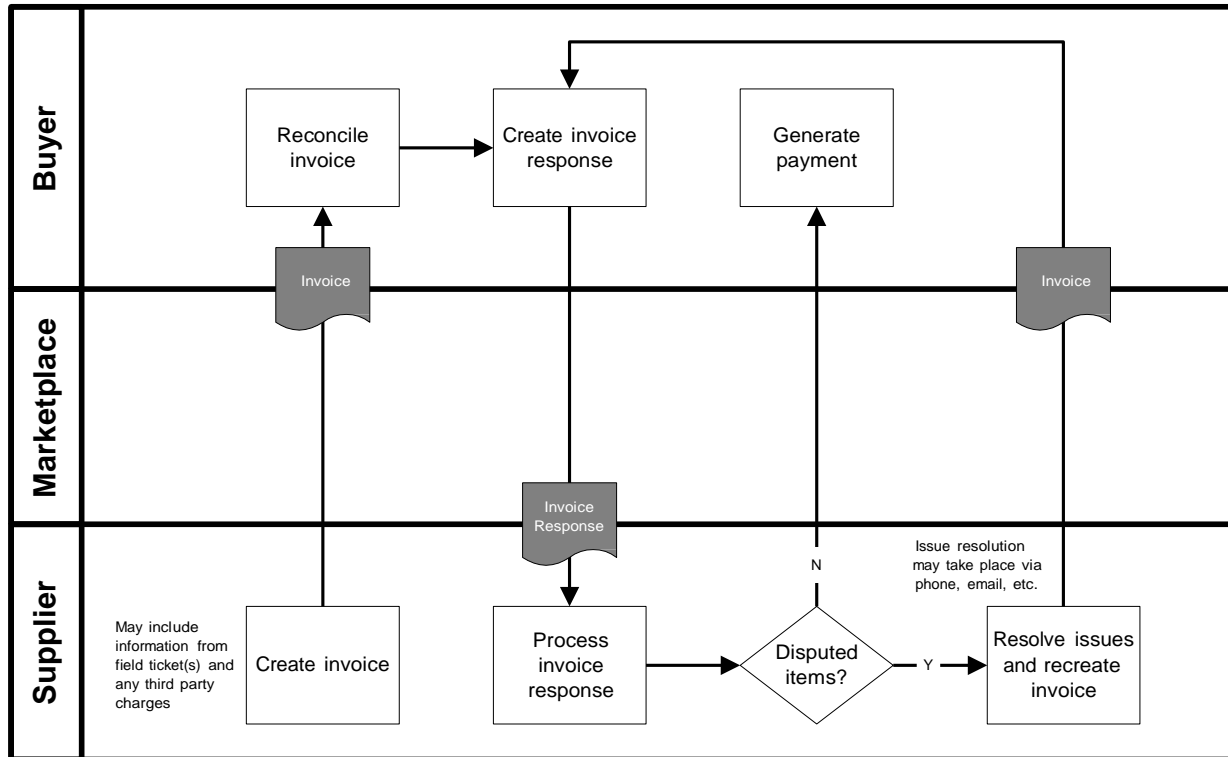
note	
level	InvoiceDetails InvoiceSummary

children	Name	Type	Use	Max
	WellIdentifier	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)	JobLocationInformation			

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

A collection of elements detailing information about a telephone number.

3	note					
	level	OrderCreateProperties OrderCreateDetails				
	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. Fax Mobile Pager Voice Other	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.

15.3 Document Detail

InvoiceResponse

The root element of the Invoice Response message. It is used to acknowledge a previously sent Invoice.

note				
children	Name	Type	Use	Max
	InvoiceResponseProperties		M	1
	A collection of elements defining the response "meta-data" or "common data".			
	InvoiceResponseDetails		M	1
attributes	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 theodelist 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	
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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.			
	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.			
	ChangeDescription	string	O	1
	A free-form textual description of changes made.			
	LineItemInformation		M	1
	A collection of elements detailing identifying information about a line item.			
	InvoiceQuantity		M	1
	The number of units of an item or service invoiced.			
	PurchaseOrderLineItemNumber	string	O	1
	A sequential individual line identifier within a purchase order document containing product or item information.			
	FieldTicketLineItemNumber	string	O	1
	A sequential individual line identifier within a Field Ticket document containing product or item information.			
	FieldTicketInformation		O	1
	A collection of elements containing relevant field ticket information which needs to be referenced within other documentation and/or messages.			
	PurchaseOrderInformation		O	1
	A collection of elements containing relevant purchase order information which needs to be referenced within other documentation and/or messages.			
	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.			
	PersonnelInformation		O	U
	A collection of elements detailing relevant personnel information.			
	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.			
	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.			
	InvoiceResponseSubLineItem		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	
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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	integer	M	1
	The total number of line items contained in a message.			
	InvoiceTotal		M	1
	The total amount payable including tax and related charges.			
	AllowanceOrCharge		O	U
	A collection of elements defining the details of an allowance or charge to the customer.			

	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	<p>Name</p> <p>POBoxNumber</p> <p>The identity of a physical box within a postal facility to accept and receive mail.</p> <p>BuildingHouseNumber</p> <p>The alphanumeric identifier of a building as a part of an address.</p> <p>StreetName</p> <p>The name of a street as part of an address.</p> <p>AddressLine</p> <p>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</p> <p>The name of the city or municipality.</p> <p>StateProvince</p> <p>The name of the municipality or town as a location for mailing, siting and other geographic functions.</p> <p>PostalCode</p> <p>The code assigned by local postal authorities to delivery addresses.</p> <p>PostalCountry</p> <p>The country code indicating the country to which mail should be delivered.</p> <p>CountyName</p> <p>The name of the county.</p> <p>LocationIdentifier</p> <p>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>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
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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		O	1
	The total monetary amount for the allowance or charge.			
	AllowanceOrChargeRate		O	1
	The rate per unit of the allowance or charge.			
	AllowanceOrChargePercent	decimal	O	1
	The allowance or charge expressed as a percentage.			
	AllowanceOrChargeNumber	string	O	1
	The identifier assigned by a vendor referencing an allowance, promotion, deal or charge.			
	AllowanceOrChargeTypeCode	string	O	1
	A code identifying the kind of allowance or charge being described.			
	Freight			
	FuelSurcharge			
	SpecialHandlingService			
	Discount			
	FlatRate			
	EngineeringCharge			
	InvoiceAdjustment			
	InsuranceSurcharge			
	OneTimeLicenseFee			
	Royalties			
	MiscellaneousCharge			
	PostageCharge			
	TrailerRentalCharge			
	TransportationDirectBilling			
	TransportationVendorProvided			
	Other			
	MethodOfHandlingCode	string	O	1
	A code which describes how a particular allowance or charge should be handled.			
	OffInvoice			
	ChargeToBePaidByCustomer			
	Other			
	AllowanceOrChargeDescription	string	O	1
	A free form description used to clarify the related allowance and charge data elements and their content.			
	AllowanceOrChargeQuantity		O	1
	The quantity on which the allowance or charge is based if it is different from the purchase order or invoice quantity.			

parent(s)	InvoiceResponseLineItem InvoiceResponseSubLineItem InvoiceResponseSummary
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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	InvoiceResponseDetails InvoiceResponseSummary			
parent(s)	AllowanceOrCharge			
attributes	Name percentIndicator A code indicating on what basis the allowance or charge percent is calculated.	Type string	Use O	Fixed

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 Quantity A numeric count of measure. 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.	Type decimal string	Use M M	Max 1 1
parent(s)	AllowanceOrCharge			

AllowanceOrChargeRate

The rate per unit of the allowance or charge.

note				
level	InvoiceResponseDetails InvoiceResponseSummary			
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)	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 theodelist 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	<div><div>Name</div><div>alternativeCommunicationMethodIndicator</div><div>A code to indicate the type of alternative communication method.</div><div>AUTOVON</div><div>EDIAccessNumber</div><div>FederalTelecommunicationsSystem</div><div>IPAddress</div><div>PacketSwitching</div><div>PrinterID</div><div>StationCode</div><div>Telemail</div><div>Telex</div><div>TWX</div><div>Other</div></div>	<div>Type</div> <div>string</div>	<div>Use</div> <div>M</div>	<div>Fixed</div>

Attachment

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

note	
level	InvoiceResponseProperties InvoiceResponseDetails

children	Name	Type	Use	Max
	AttachmentPurposeCode	string	O	1
	A code to indicate the purpose of the attachment.			
	Template			
	Other			
	FileName	string	O	1
	The name of the file in an attachment.			
	AttachmentTitle	string	O	1
	The title of the attachment.			
	AttachmentDescription	string	O	1
parent(s)	A free-form textual description of the attachment.			
	FileType	string	O	1
	The type of the file in an attachment.			
	AttachmentLocation	string	O	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 BlockName The name of the block, which identifies a location. OCSGNumber The Outer Continental Shelf Gulf number. StateLease Lease on state land.	Type string string string	Use O O O	Max 1 1 1
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 agencyIndicator A code indicating what agency or organization is responsible for defining the commodity code list.	Type string	Use O	Fixed

ContactIdentifier

The identifier of the contact person or department.

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

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 ContactIdentifier The identifier of the contact person or department. ContactName The name of the contact person within the organization. ContactDescription A free-form textual description of the contact. Telephone A collection of elements detailing information about a telephone number. EmailAddress The address assigned to a person or organization to receive electronic messages. 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.	Type string string string string string	Use O O O O O	Max 1 1 1 U 1 U
parent(s)	PartnerInformation			
attributes	Name contactInformationIndicator A code indicating the function of the contact. BuyerDepartment DeliveryContact DesignEngineer Engineer EnteredBy FieldRepresentative OfficeRepresentative OrderContact PurchasingAgent QuotePreparer QuoteRequestor RFQContact SalesRepresentative ServiceCoordinator TechnicalMarketingRepresentative Other	Type string	Use M	Fixed

CountryOfFinalDestination

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

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

	se theodelist from ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions-Part 1:Country Codes.
parent(s)	!punjpPBP5QnmPI jp >ttPm InvoiceResponsePrope:rties InvoiceReseonseSublineItem

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

	Use theodelist 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	InvoiceResponseProperties InvoiceResponseDetails			
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)	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 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)	InvoiceResponseSummary			

Discounts

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

note				
level	InvoiceResponseProperties InvoiceResponseDetails			

children	Name	Type	Use	Max
	DaysDue	integer	O	1
	The number of days from the payment terms basis date before a discount expires.			
	DiscountsDueDate	date	O	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	O	1
	A discount to be applied to the transaction expressed as a percentage.			
	<u>DiscountAmount</u>		O	1
	The monetary amount of a discount based upon payment terms.			
	Description	string	O	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	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			

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	string	M	1
	A unique identifier for a Field Ticket.			
	FieldTicketDate	date	O	1
	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.			
	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			

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 FieldName The name of the oil field. Section A part of Section/Township/Range location identifier scheme. Township A part of Section/Township/Range location identifier scheme. Range A part of Section/Township/Range location identifier scheme. Region The name of a geographic region. Block A collection of elements defining the details of a block, which identifies a location. GPSCoordinates A collection of elements containing latitude and longitude data for a specific location.	Type string string string string	Use O O O O O	Max 1 1 1 1 1
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	
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 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			

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	O	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	O	1
	A textual description of the commodity code.			
	TransactionNature	string	O	1
	Identifies the nature of the transaction			
	Should only be used at the InvoiceProperties level.			
	SupplementaryUnits	int	O	1
	????????????????			
	Should only be used at the InvoiceDetails level.			
	<u>CountryOfFinalDestination</u>		O	1
	The country where product is ultimately delivered or is deemed to have been delivered.			
	TransportMethodCode	string	O	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	<u>InvoiceResponseProperties</u>			
children	<p>Name</p> <p>InvoiceNumber</p> <p>A unique identifier for an Invoice message.</p> <p>InvoiceDate</p> <p>The date upon which an invoice was created or deemed to have been issued.</p> <p>Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.</p> <p>InvoiceTypeCode</p> <p>A code defining the type of invoice being transmitted.</p> <p>CreditMemo</p> <p>DebitMemo</p> <p>ProductOrService</p> <p>Other</p> <p>RevisionNumber</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>	<p>Type</p> <p>string</p> <p>date</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> <p>1</p>
parent(s)	<u>InvoiceResponseProperties</u>			

InvoiceQuantity

The number of units of an item or service invoiced.

note				
level	InvoiceResponseDetails			
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)	InvoiceResponseLinItem InvoiceResponseSubLinItem			

InvoiceTotal

The total amount payable including tax and related charges.

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			

JobLocationIdentifier

A unique identifier referencing the job location.

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

parent(s)	InvoiceResponseLineItem InvoiceResponseProperties InvoiceResponseSubLineItem
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LinItemIdentifier

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

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

LinItemInformation

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

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

LinItemTotal

The net total monetary amount for the line item.

note				
level	InvoiceResponseDetails			
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)	InvoiceResponseLineItem InvoiceResponseSubLineItem
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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.			
children	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	InvoiceResponseDetails			
children	Name	Type	Use	Max
	MinimumMeasurement	decimal	M	1
	The smallest measurement in a given range.			
	MaximumMeasurement	decimal	M	1
children	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 partnerIdentifierIndicator A code to identify the origin of the Partner Identifier. AssignedByBuyer AssignedBySeller DUNSNumber DUNS+4Number Other	Type string	Use M	Fixed

PartnerInformation

A collection of elements detailing partner information.

note				
level	InvoiceResponseProperties InvoiceResponseDetails			
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)	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	<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</p> <p>InvoiceDate</p> <p>InvoiceReceiptDate</p> <p>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>	<p>Type</p> <p>string</p> <p>string</p> <p>string</p> <p>date</p> <p>integer</p> <p>decimal</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>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
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	O	1
	CompanyName The name of the company.	string	O	1
	PersonnelIdentifier A unique identifier for an employee of an organization.	string	O	1
	<u>TimeWorked</u> The time period worked by a specific employee completing a service.		O	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 O M O	Max 1 1 1 1
parent(s)	Pricing			

Pricing

A collection of elements detailing price information.

note				
level	InvoiceResponseDetails			

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
			M	1
			O	U
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	<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)	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	<div>Name</div> <div>Type</div> <div>PurchaseOrderNumber string M 1</div> <p>A unique identifier for an Order Create message.</p> <div>PurchaseOrderIssuedDate date O 1</div> <p>The date upon which an order was created or deemed to have been issued.</p> <div>Format is CCYY-MM-DD where "CC" represents the century, "YY" the year, "MM" the month and "DD" the day.</div> <div>PurchaseOrderTypeCode string O 1</div> <p>A code indicating the kind of purchase order.</p> <div>Confirmation</div> <div>EmergencyOrder</div> <div>ReleaseOrDeliveryOrder</div> <div>RushOrder</div> <div>StandAloneOrder</div> <div>SupplyOrElseServiceOrder</div> <div>Other</div> <div>ReleaseNumber string O 1</div> <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> <div>SalesOrderNumber string O 1</div> <p>The identifier assigned by a supplier to an order placed by a customer.</p> <div>RevisionNumber string O 1</div> <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)	InvoiceResponseLineItem InvoiceResponseProperties InvoiceResponseSubLineItem			

RateOfExchangeDetail

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

note	
level	InvoiceResponseProperties

children	Name	Type	Use	Max
	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.			
parent(s)	ExchangeRate	string	M	1
	An equation which converts monetary amounts into different denominations.			
	DateOfRateOfExchange	date	O	1
	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.			
	InvoiceResponseProperties			

ReferenceCurrency

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

note				
level	InvoiceResponseProperties			
children	Name 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 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	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 Description A free-form textual explanation or clarification.	Type string string	Use M O	Max 1 1
parent(s)	InvoiceResponseLineItem InvoiceResponseProperties InvoiceResponseSubLineItem			

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
	TemplateNumber
	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	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. 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. If no time is to be given then use zeroes in the hh, mm and ss fields. 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.
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 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)	InvoiceResponseLineItem InvoiceResponseSubLineItem InvoiceResponseSummary			

SpecialInstructions

A free-form textual description of special requirements.

note				
level	InvoiceResponseProperties InvoiceResponseDetails			
parent(s)	InvoiceResponseLineItem InvoiceResponseProperties InvoiceResponseSubLineItem			
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 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	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			
attributes	Name	Type	Use	Fixed
	subTotalIndicator	string	M	
	A code to indicate the type of subtotal being given.			
	Equipment			
	Labor			
	Materials			
	Other			

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	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)	RateOfExchangeDetail			

Tax

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

[illegible]

parent(s)	InvoiceResponseLineItem InvoiceResponseSubLineItem InvoiceResponseSummary
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TaxAmount

The monetary amount of the tax.

note				
level	InvoiceResponseDetails InvoiceResponseSummary			
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 theodelist from ISO 4217:2001 Codes for the representation of currencies and funds.	Type decimal string	Use M O	Max 1 1
parent(s)	Tax			

TaxBasisAmount

The monetary amount which is subject to tax.

note				
level	InvoiceResponseDetails InvoiceResponseSummary			
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 theodelist from ISO 4217:2001 Codes for the representation of currencies and funds.	Type decimal string	Use M O	Max 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	O	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	O	1
	TaxCertificateType The category of tax certificate for which an identifying number is issued.	string	O	1
parent(s)	TaxCertificateNumber The identifying number for a tax certificate such as tax exemption, sales and use tax certificate or other such document.	string	O	1
	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 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	InvoiceResponseProperties InvoiceResponseDetails			
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	
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level	InvoiceResponseSummary			
children	Name	Type	Use	Max
	MonetaryAmount	decimal	M	1
	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.	string	O	1
parent(s)	InvoiceResponseSummary			

TimeWorked

The time period worked by a specific employee completing a service.

note				
level	InvoiceResponseDetails			
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)	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			
	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)	InvoiceResponseLineItem InvoiceResponseProperties InvoiceResponseSubLineItem			

UnitPrice

A collection of elements detailing how product is transported.

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

WellInformation

A collection of elements detailing information about a well.

note	
level	InvoiceResponseDetails InvoiceResponseSummary

children	Name	Type	Use	Max
	WellIdentifier	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)	JobLocationInformation			

Appendix A: PIDX XML Schema to PIDX "PIP" Number

PIDX XML Schema	New PIDX "PIP" Number for RNIF 2.0
FieldTicket	P11
FieldTicketResponse	P12
Invoice	P21
InvoiceResponse	P22
OrderChange	P32
OrderCreate	P31
OrderResponse	P33
Quote	P42
QuoteNotification	P43
QuoteRequest	P41
RequestRequisitionReturn	P51

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 Reimbursing Party	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
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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-rtf	
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.dpggraph	
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-slideshow	

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.titrax-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	

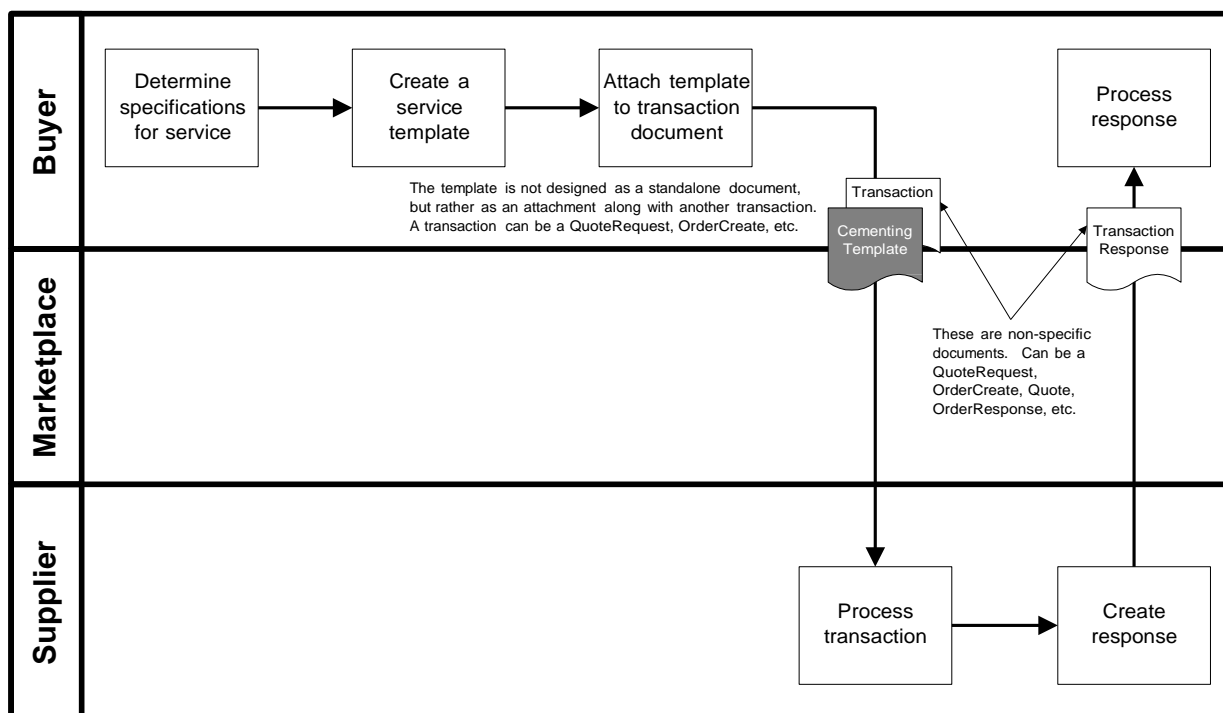
GlobalMimeTypeQualifierCode	
Value	Definition
application/vnd.japannet-jpnstore-wakeup	
application/vnd.japannet-setstore-wakeup	
application/vnd.japannet-verification	
application/vnd.japannet-registration	
application/vnd.hp-HPGL	
application/x400-bp	
application/vnd.shana.informed.formtemplate	
text/calendar	
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	
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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

A collection of elements detailing information about a telephone number.

note					
level	OrderCreateProperties OrderCreateDetails				
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. Fax Mobile Pager Voice Other	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.

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				
children	Name	Type	Use	Max
	JobType		M	1
	A code indicating the type of job being performed.			
	ConductorCasing			
	Intermediate			
	Liner			
	Production			
	SurfaceCasing			
	Other			
	WellDetail		M	1
	A collection of elements containing details about a well.			
	CasingInformation		M	1
	A collection of elements containing information about casing.			
	BargeRequiredFlag	boolean	O	1
	A flag indicating whether a barge is required. It assists in determining truck or skid equipment.			
	JobDescription	string	O	1
A free-form textual description of the job.				
OneWayMileage		O	1	
The measurement and unit of measure for the mileage from the service point to dock or location.				
MudDetail		O	1	
A collection of elements that contain information about mud.				
CementDetail		O	1	
A collection of elements providing detail about cement.				
Comment	string	O	1	
A free-form textual structure for general information or comments.				
parent(s)	CementingTemplate			

BottomHoleCirculationTemperature

The measurement and unit of measure for the circulation temperature of the well as determine by the customer.

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)	WellDetail			

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	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)	WellDetail			

CasingInformation

A collection of elements containing information about casing.

note				
children	Name	Type	Use	Max
	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
	The measurement and unit of measure for the diameter of the previous casing.			
parent(s)	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				
children	Name	Type	Use	Max
	Measurement	decimal	M	1
	A numeric value for technical or attribute data.			
	UnitOfMeasureCode	string	M	1
parent(s)	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				
children	Name	Type	Use	Max
	Measurement	decimal	M	1
	A numeric value for technical or attribute data.			
	UnitOfMeasureCode	string	M	1
parent(s)	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			

CementAboveLiner

The measurement and unit of measure for the height of cement above the liner.

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			

CementDetail

A collection of elements providing detail about cement.

note				
children	Name	Type	Use	Max
	PreflushSpaceDensity		0	1
	The measurement and unit of measure for the density of the substance.			
	DesiredPreflushSpacer	string	0	1
	An indicator of the type of preflush spacer desired.			
	None			
	Preflush			
	Flush			
	Spacer			
	Description	string	0	1
	A free-form textual explanation or clarification.			
	PercentExcess	decimal	0	1
	The excess cement divided by the calculated volume, expressed as a percentage.			
	Lead		0	1
	A collection of elements that contain information relating to the tail.			
Tail		0	1	
A collection of elements that contain information relating to the tail.				
CementTopNominal		0	1	
The measurement and unit of measure for the expected top of cement after job.				
CementHeight		0	1	
The measurement and unit of measure for the expected height of cement after the job.				
CementAboveLiner		0	1	
The measurement and unit of measure for the height of cement above the liner.				
parent(s)	CementingTemplateDetail			

CementHeight

The measurement and unit of measure for the expected height of cement after the job.

note	
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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 DE355 code list contained in ASC X12 release 3030.

parent(s) [G > m > ot Qetai'](#)

CementTopNominal

The measurement and unit of measure for the expected top of cement after job.

note				
children	Name Measurement A numeric value for technical or attribute data. 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.	Type decimal string	Use M M	Max 1 1
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 agencyIndicator A code indicating what agency or organization is responsible for defining the commodity code list.	Type string	Use O	Fixed

DesiredFill

The measurement and unit of measure for the desired amount of fill.

note				
children	Name Measurement A numeric value for technical or attribute data. 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.	Type decimal string	Use M M	Max 1 1
parent(s)	Lead Tail			

Lead

A collection of elements that contain information relating to the tail.

note				
children	Name PercentExcess The excess cement divided by the calculated volume, expressed as a percentage. DesiredFill The measurement and unit of measure for the desired amount of fill. CementDescription A free-form textual description of the cement used.	Type decimal string	Use O O O	Max 1 1 1
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				
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)	CementingTemplateDetail			

OpenHoleSize

The measurement and unit of measure for the diameter of the hole.

note				
children	Name Measurement A numeric value for technical or attribute data. 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.	Type string string	Use M M	Max 1 1
parent(s)	WellDetail			

PreflushSpaceDensity

The measurement and unit of measure for the density of the substance.

note				
children	Name Measurement A numeric value for technical or attribute data. 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.	Type string string	Use M M	Max 1 1
parent(s)	CementDetail			

PreviousCasingMeasureDepth

The measurement and unit of measure for the depth of the previous casing.

note				
children	Name Measurement A numeric value for technical or attribute data. 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.	Type decimal string	Use M M	Max 1 1
parent(s)	CasingInformation			

PreviousCasingSize

The measurement and unit of measure for the diameter of the previous casing.

note				
children	Name Measurement A numeric value for technical or attribute data. 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.	Type decimal string	Use M M	Max 1 1
parent(s)	CasingInformation			

PreviousCasingTrueVerticalDepth

The measurement and unit of measure for the true vertical 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			

PreviousCasingWeight

The measurement and unit of measure for the document weight of a linear unit of casing with or without a collar.

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			

ReferenceInformation

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

note				
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 Description A free-form textual explanation or clarification.	Type string string	Use M O	Max 1 1
parent(s)	TemplateProperties			
attributes	Name referenceInformationIndicator 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	Type string	Use M	Fixed

ShoeJointLength

The measurement and unit of measure of the length of a shoe joint.

note	
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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) | [W>!P?tajl](#)

Tail

A collection of elements that contain information relating to the tail.

note				
children	Name	Type	Use	Max
	PercentExcess	decimal	O	1
	The excess cement divided by the calculated volume, expressed as a percentage.			
	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				
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)	WellDetail			

WaterDepthNominal

The measurement and unit of measure for the depth from sea level to ocean floor at mean tide.

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)	WellDetail			

WellDetail

A collection of elements containing details about a well.

note		Type	Use	Max
children	<p>Name</p> <p>TotalDepth</p> <p>The measurement and unit of measure for the proposed or actual depth the well is drilled or based for services.</p> <p>OpenHoleSize</p> <p>The measurement and unit of measure for the diameter of the hole.</p> <p>ShoeJointLength</p> <p>The measurement and unit of measure of the length of a shoe joint.</p> <p>BottomHoleStaticTemperature</p> <p>The measurement and unit of measure for the static temperature of the well as determine by the customer.</p> <p>LinerTopDepth</p> <p>The measurement and unit of measure for the depth of the liner top.</p> <p>WaterDepthNominal</p> <p>The measurement and unit of measure for the depth from sea level to ocean floor at mean tide.</p> <p>BottomHoleCirculationTemperature</p> <p>The measurement and unit of measure for the circulation temperature of the well as determine by the customer.</p> <p>H2SinHoleFlag</p> <p>Flag indicating the presence of hydrogen sulfide in a hole.</p> <p>PercentH2SinHole</p> <p>The percentage of hydrogen sulfide present in the hole.</p>		M	1
			M	1
			O	1
			O	1
			O	1
			O	1
			O	1
			O	1
		Boolean	O	1
		decimal	O	1
parent(s)	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 <i>World Wide Web Consortium</i> . The base specifications are XML 1.0 Second addition, 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	<i>XML</i> element or attribute
Instance Document	An <i>XML</i> data document that conforms to the <i>W3C XML</i> 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 (W3C) 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 <i>Extensible Markup Language</i> .