

2000

Gen 2 Procurement

Revision 2019.1



ATA e-BUSINESS PROGRAM

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Highlights

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Revision 2019.1 – Update – March 2019

Changes Incorporated

Revision 2019.1

CR #	Description
	• Added Invoice Submittal message • Revised Message Receipt Acknowledgment section with different return codes • Made minor changes to the schemas • Added business rules to the various sections • Added explanation for order status values • Made general edits throughout the document to improve clarity and readability

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Section 1. Overview

1-1. Purpose

This specification provides a standardized set of data formats and implementation guidelines necessary for the exchange of modern and complex supply chain messages in XML format.

Note - During the implementation phases of this specification, trading partners may find that the specification needs to be enhanced to describe additional use cases. Please contact admin@ataebiz.org to submit questions or comments or proposed enhancements.

1-2. Requirements Levels

For the purpose of this specification, the use of keywords below will be used. Note these are loosely matching by IETF RFC2119 (ref: <https://tools.ietf.org/html/rfc2119>).

1. "Required", "Shall", "Must" (lower or upper case) means the requirement is mandatory to be considered compliant to the specification.
2. "Shall Not", "Must Not" means a requirement shall not be used to be considered compliant to the specification.
3. "Conditional" means a requirement must be followed if the condition described is present.
4. "May", "Optional" means the requirement is not required, but can be used by implementers but if it is not present, the trading partner should not reject the message to be considered compliant.

1-3. Readership / Intended Audience

The document is intended to be read by trading partners who intend to exchange these messages and by the software architects and developers who intend to develop solutions in compliance with these standards. Therefore, the audience will include business and technical resources. It is assumed that the business oriented reader has at least a very basic knowledge of XML, XML schemas and data modeling as well as a significant understanding of supply chain transactions. Technical resources will need a basic knowledge of supply chain practices and/or access to someone with this knowledge.

1-4. Context / Background

The continuously increasing complexity of supply chain relationships has surpassed the messaging capabilities described in Legacy Spec 2000 chapters 2, 3 and 4. The Spec 2000 governing body recognized that minor modifications to the existing supply chain schemas would be insufficient and that a completely new suite of schemas was required.

A task force was formed and given the mandate to research current and future industry requirements and to develop the appropriate schemas. This specification represents the output of this task force. The schemas are meant to reflect desired business practice.

While very comprehensive in nature, the task force recognizes that as the industry evolves and adoption of the schemas grows, enhancements will be required. Users are encouraged to share their experiences with the ATA e-Business community.

1-5. Scope & Business Processes

This specification is focused on material management, particularly parts, and has not focused on the use of these messages for services, repair or other areas. Messages developed include:

- Message Receipt Acknowledgement (including message rejection)
- Quote Request Submittal
- Quote Response
- Purchase Order Submittal
- Purchase Order Status (initial response and updates)
- Shipment Notification
- Invoice Submittal

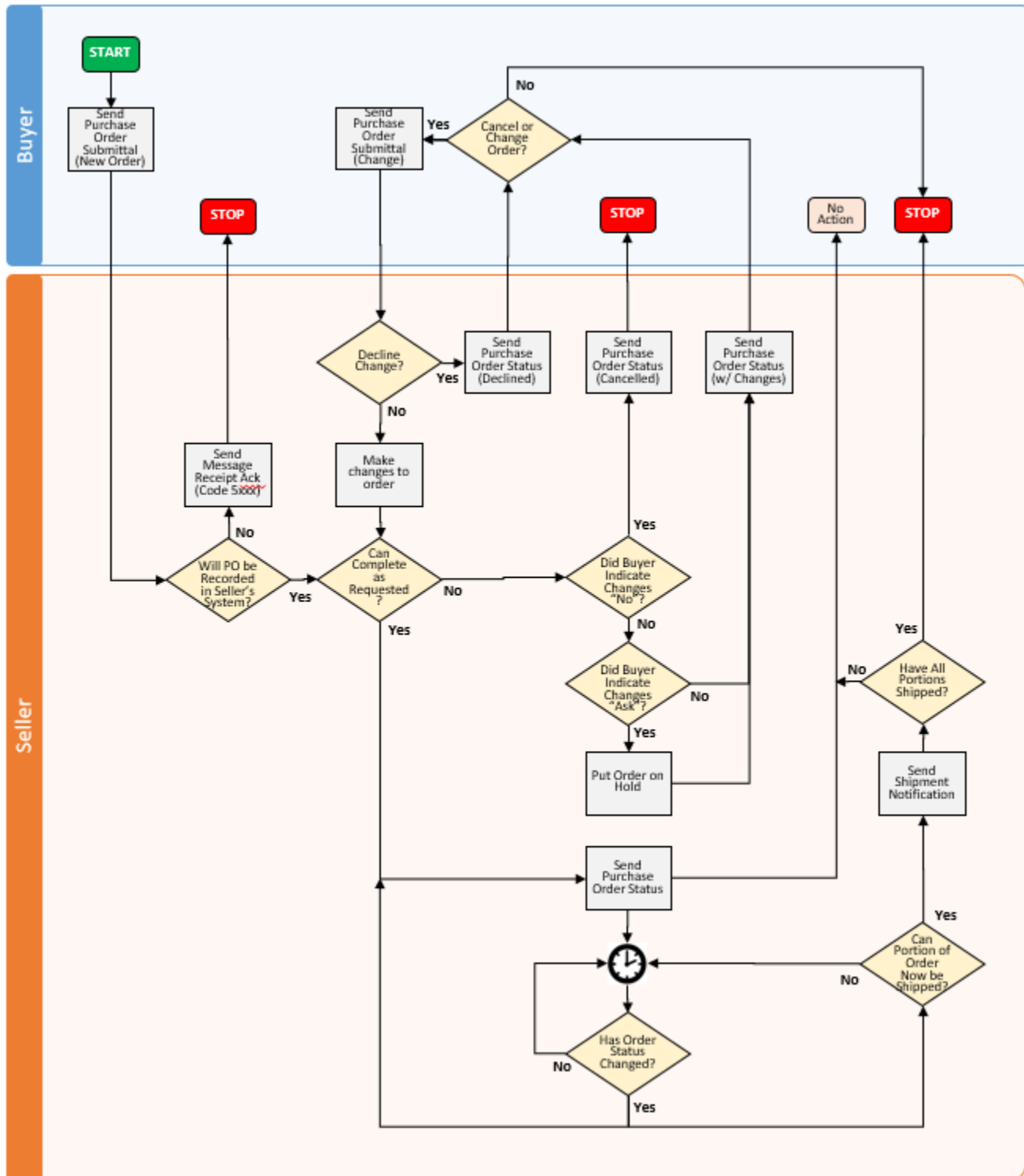
This specification is limited to descriptions of the data and processes necessary for the exchange of these supply chain related schemas. Figure 1 depicts the messages that can be sent by the buyer and seller. The intermediary is shown to depict that sometimes messages will be sent to or from a third party on behalf of the buyer or seller, or through a type of portal.

The Figure 2 depicts the interaction of order and shipment messages with decisions and Figure 3 shows the primary relationships between quotes, orders, shipments and invoices.

Figure 1 - Message Flow (All Messages)

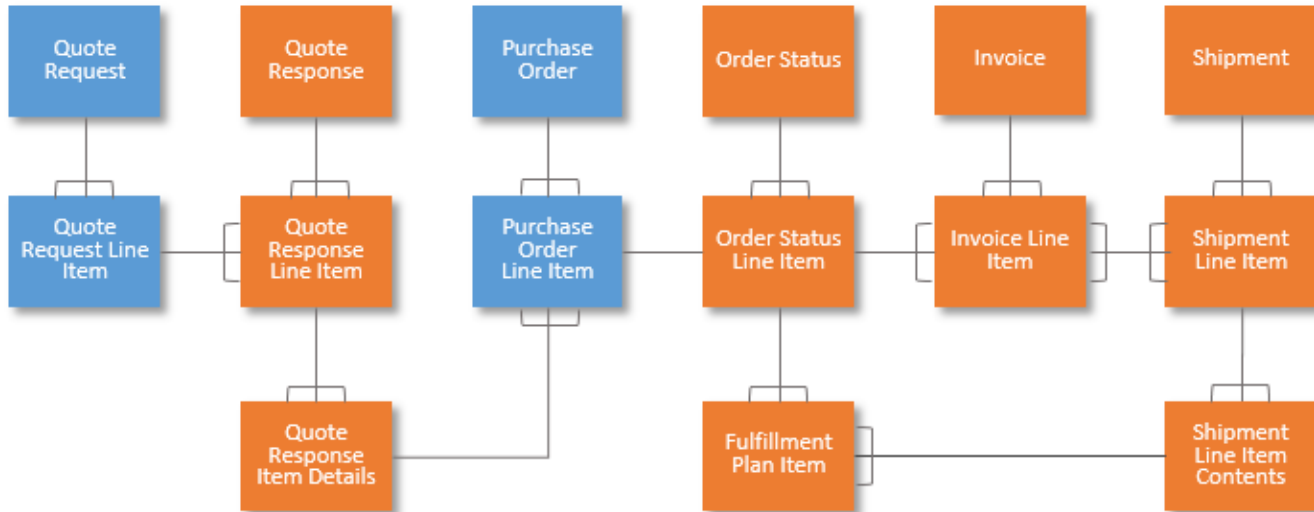


Figure 2 – Order and Shipment Message Flow Chart with Decisions



Note – For simplicity, the sending of Message Receipt Acknowledgements is not depicted in this figure except where otherwise noted.

Figure 3 – Primary Relationships



1-6. Benefits

The schemas will provide many of the desired benefits identified through consultation with the Spec 2000 community. Highlights include:

- Support for multi line item purchase orders
- Communication is explicit. “Silence is Acceptance” is no longer the default.
- Buyers can exercise more control over seller changes to part number, quantity, unit of measure, price, shipping location and ready to ship date through the introduction of the Yes/No/Ask concept, explained in this document.
- The buyer can provide complete ship to address details. There will be no need for buyers and sellers to continuously synchronize shipping tables.
- Order revisions from buyers (and revision requests from sellers) will indicate the new order quantity – not the “increase by” or “decrease by” quantity.
- The buyer can send data needed by the seller to support AOG or Maintenance Events in an electronic format.
- Seller generated Purchase Order Status messages provide an electronic format to update buyers with the complete and accurate status of purchase orders. Buyers will no longer need to consult seller portals, call for status updates or exchange order status spreadsheets.

1-7. XML Implementation Usage Guidelines

This specification employs the use of the eXtensible Markup Language (XML) as the standard format for electronic exchange of Purchase Order related data. XML is the predominant technology for structuring data and enabling interoperability between diverse computer systems, and is widely supported by most major software applications.

The specification contains XML Schema (XSD files) which describe the XML Instance (XML files) which are used.

The XSD files are self-documenting and contain information about each field such as required/optional and field length.

Throughout the document, the XML schema elements and attributes, constraints, and relationships are described through the use of text and illustrations. Table 1 includes explanations of the symbols used in the illustrations.

Note: All Schemas are contained within the ZIP file in which this document was delivered. If you do not have them with the document, please contact ATA e-Business Program.

1-7-1. XML Schema Illustration Conventions

Table 1 - XML Schema Illustration Conventions

Convention	Meaning	Example
Rectangle drawn with solid lines	Mandatory element or attribute.	
Rectangle with small-dashed lines	Optional element or attribute	
Octagonal object containing a horizontal line with three dots on it	Indicates that child elements must be ordered in the sequence shown.	
Numbers under an object	Indicates how many instances of the object may occur at that location in the schema hierarchy. The first number specifies the minimum number of instances. The second number indicates the maximum number of instances. An infinity symbol means that there is no upper bound to the number of instances.	
Octagonal object containing three vertical dots connected by a line	Indicates a choice – any child element (1 or more) may be included in the document instance	
Dotted outline around a yellow section	Indicates the use of an XML Type which indicates it is a common group of elements or attributes re-used in multiple places. The types are maintained in the XSD file called MM_CommonTypes	

1-7-2. XML Data Types

Datatypes used in XML are defined by the World Wide Web Consortium (Reference [2]). For convenience, several datatype format definitions are included here.

1. date

Date to conform to the ISO 8601 format:

[yyyy] - [mm] - [dd]

2. dateTime

Date and time conform to the ISO 8601 extended format:

[yyyy] - [mm] - [dd] T [hh] : [mm] : [ss] ± [hh] : [mm]

or for UTC:

[yyyy] - [mm] - [dd] T [hh] : [mm] : [ss] Z

3. duration

Duration conforms to the ISO 8601 format as specified in the following form:

P [n] Y [n] M [n] DT [n] H [n] M [n] S

where:

- P indicates the period (required)
- [n]Y indicates the number of years
- [n]M indicates the number of months
- [n]D indicates the number of days
- T indicates the start of a time section (required to specify hours, minutes, or seconds)
- [n]H indicates the number of hours
- [n]M indicates the number of minutes
- [n]S indicates the number of seconds

1-8. Message Communication

This specification includes business messages but does not identify specific methods or protocols to exchange messages between trading partners. Below are some typical scenarios envisioned to exchange messages. It is up to trading partners to agree upon message exchange format or protocol.

1. Web Services

Web Services is a standardized way of integrating web-based applications using the XML, SOAP, WSDL and UDDI open standards over an Internet protocol backbone. (Wikipedia, Web Service, 2017). This is the most predominant model to integrate and transfer messages from one system to another.

2. Messaging Queue

Message queues provide an asynchronous communications protocol to transfer information from one system to another. The sender and receiver of the message do not need to interact with the message queue at the same time. Messages placed onto the queue are stored until the recipient retrieves them. (Wikipedia, Message Queue, 2017) For e.g. IBM MQ, JMS etc.

3. FTP

The File Transfer Protocol (FTP) is a standard network protocol used for the transfer of computer files between a client and server on a computer network. (Wikipedia, File Transfer Protocol, 2017).

Section 2. Common Data Elements

This section covers Elements or XML Types which are used in more than one section of this specification.

2-1. Header: Message ID, From and To Information

2-1-1. Description

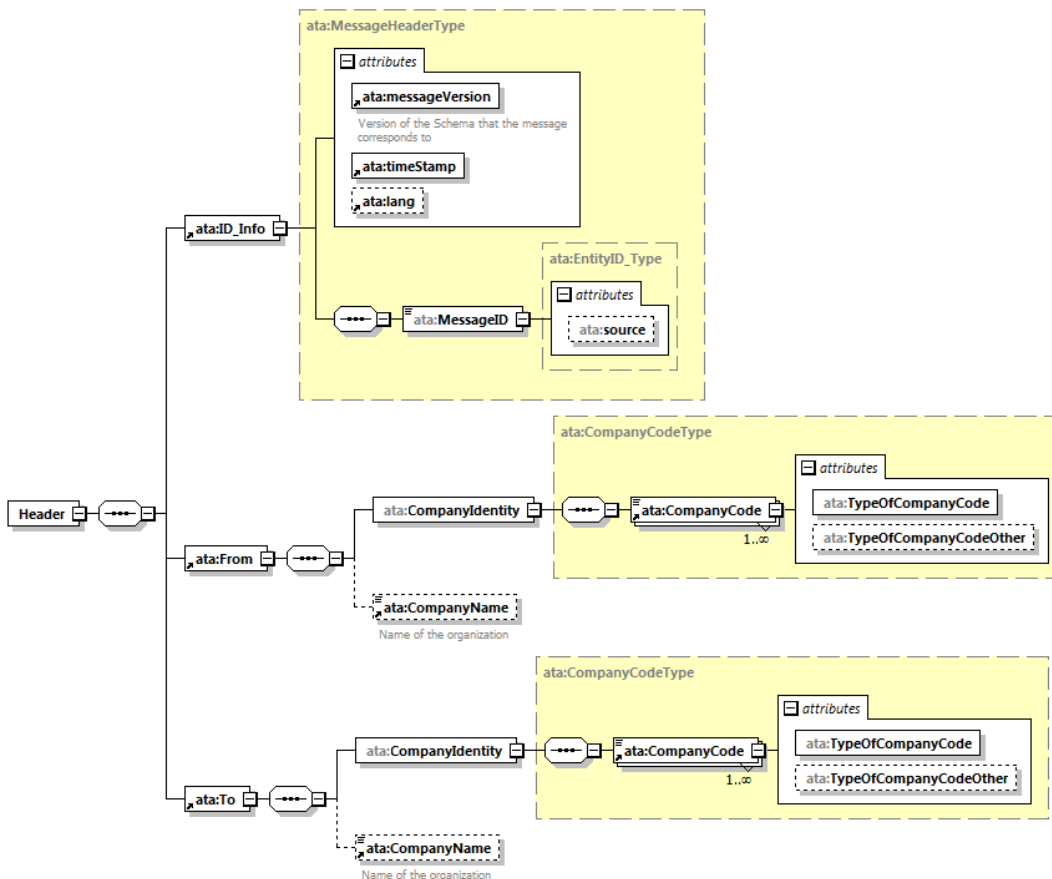
The Header section identifies the submitting company, to whom they are submitting and has a unique identifier, along with information about which version of the XML Schema the XML file is created against and a unique time stamp.

2-1-2. Business Rules

The Message ID in every message should be completely unique within the company. This can be done in a variety of methods, with the use of GUID's being a common one.

2-1-3. XML Schema

Figure 4 - Header Schema Design



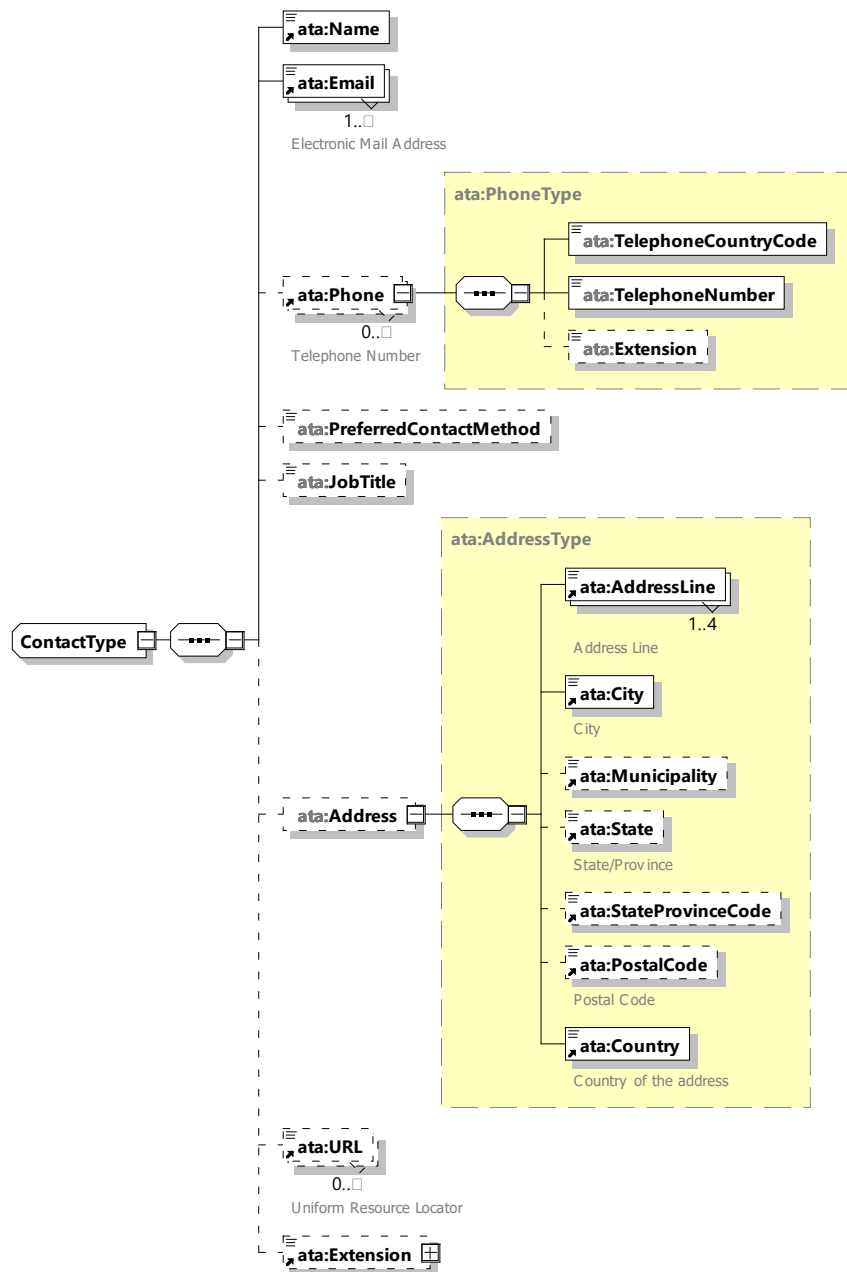
2-2. ContactType

2-2-1. Description

The ContactType is a common XML type which is applied multiple places where an individual's contact information is provided. The XML Element within the Schema will provide the context (such as Billing Contact, Purchasing Contact, etc).

2-2-2. XML Schema

Figure 5 - Contact Type Schema Design



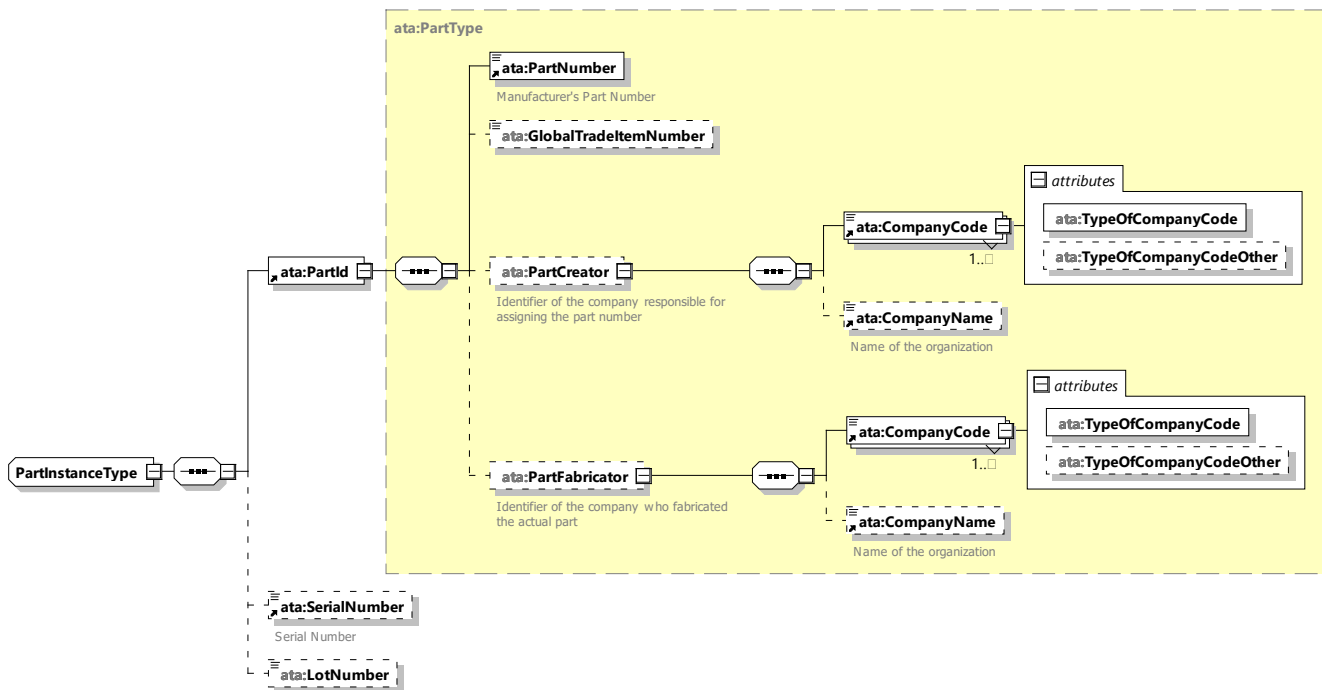
2-3. PartType

2-3-1. Description

The PartID Type is a common XML type which contains information to fully describe a part number. The PartInstanceType further allows an individual Serial Number to be used to uniquely describe an individual unit. The XML Element within the Schema will provide the context (such as Part Number being ordered within a Purchase Order).

2-3-2. XML Schema

Figure 6 - Part Instance Type Schema Design



Section 3. Message Receipt Acknowledgement

3-1. Message Description

The Message Receipt Acknowledgement message is intended to convey to the submitter that the recipient got the message and whether or not they could process it.

The sender of the Message Receipt Acknowledgement message sets the OriginalMessageID in the Message Receipt Acknowledgement to the MessageID of the message they received.

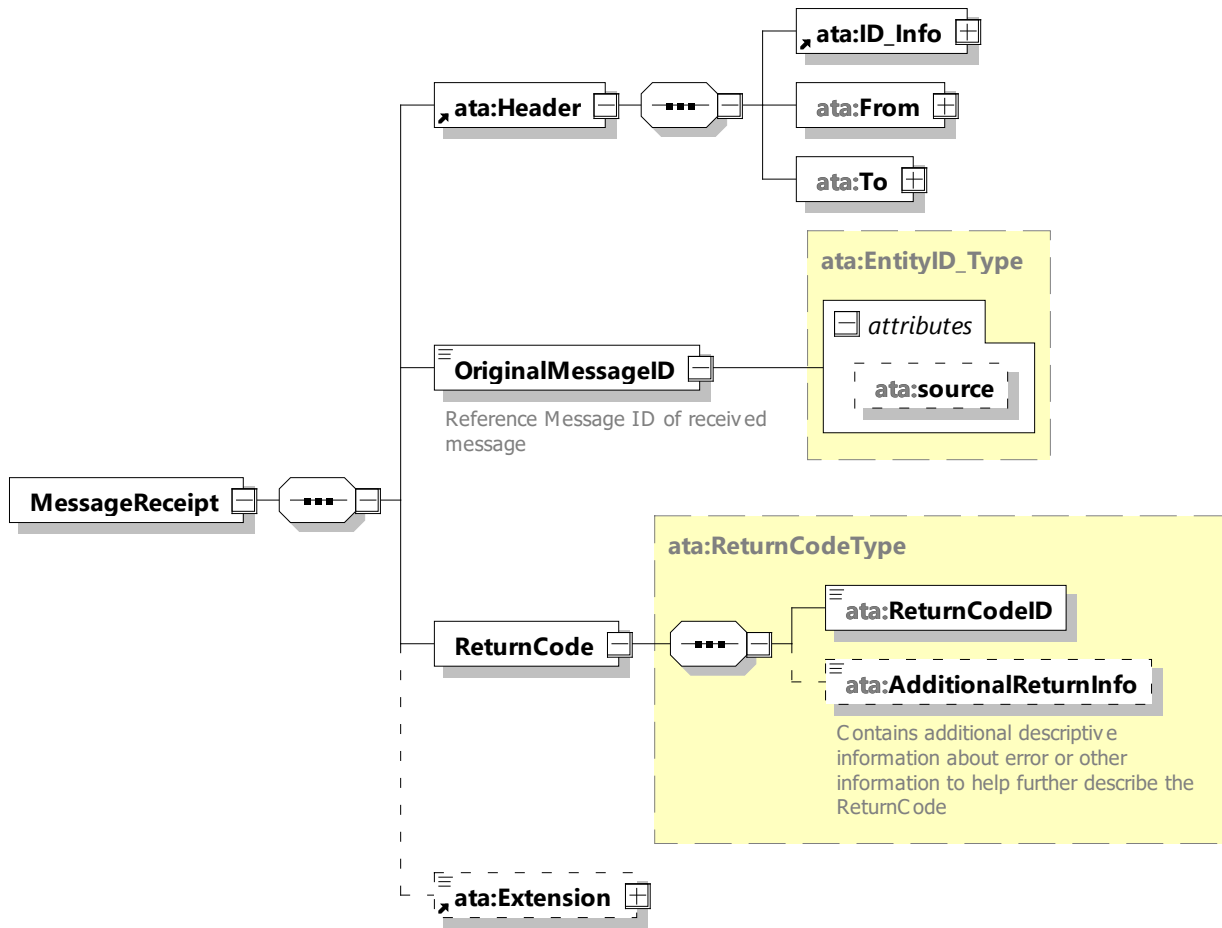
It is sent upon receipt of all messages except for a Message Receipt Acknowledgement message itself.

3-2. Business Rules

1. When a recipient receives any message, other than a Message Receipt Acknowledgement, and can read the message enough to determine the MessageID, the recipient will immediately send a Message Receipt Acknowledgement with a ReturnCodeID of 1000 (Message received and can be read).
2. When a recipient receives any message, other than a Message Receipt Acknowledgement, and cannot read the message, the recipient will immediately send a Message Receipt Acknowledgement with a ReturnCodeID of 5000 (Unrecognized message).
3. Optionally, after the recipient sends a Message Receipt Acknowledgement of 1000 (Message received and can be read), the recipient can send additional Message Receipt Acknowledgement messages to track the progress of the message in the recipient's system or to indicate an error.

3-3. Message Receipt Acknowledgement XML Schema Illustration

Figure 7 - Message Receipt Acknowledgement Schema Design



3-4. Message Receipt Acknowledgement Return Codes

Table 2 – Message Receipt Acknowledgement Return Codes – At Least One Required

Return CodeID	Description	Remarks
1000	Message received and can be read	The recipient received the message and can read it enough to determine the MessageID
5000	Unrecognized message	The recipient does not recognize the message

Table 3 – Message Receipt Acknowledgement Return Codes - Optional

Return CodeID	Description	Remarks
1010	Message waiting in queue to be processed	The recipient received the message but it is waiting and queued to be processed.
1020	Message waiting for manual review	The recipient received the message but it is awaiting a manual review.
1030	Message recorded in application system	The recipient received the message, read it successfully and recorded the information in their system.
4000	Retrying to send message	An intermediary, trying to forward a sender's message to the recipient, has not received a message receipt and is attempting to resend the message to the recipient and wants to report this to the sender of the original message.
5010	Message rejected	The message was not accepted and the requested action did not take place. The sender of the original message is discouraged from repeating the exact request (in the same sequence).
5020	Unauthorized trading partner	The recipient recognizes the sender of the original message but the sender is not an authorized trading partner of the recipient.
5030	Unrecognized recipient	The recipient is not the correct to address in the in the header in ata:From
5040	Unrecognized sender	The recipient does not recognize the referenced sender as noted in the header in ata:From
5050	Unrecognized subject	The recipient does not recognize the subject of the message. The messages and the fields that, jointly make up the subjects are: • QuoteResponse - QuoteRequestNumber, QuoteRequestLineNumber • PurchaseOrderSubmittal with OrderLineAction = "Revise" - CustomerOrderNumber, CustomerOrderLineNumber • PurchaseOrderSubmittal with CancelLineItem - CustomerOrderNumber, CustomerOrderLineNumber • PurchaseOrderStatus - CustomerOrderNumber, CustomerOrderLineNumber • ShipmentNotification - CustomerOrderNumber, CustomerOrderLineNumber
5060	Command not implemented	The recipient does not support the message

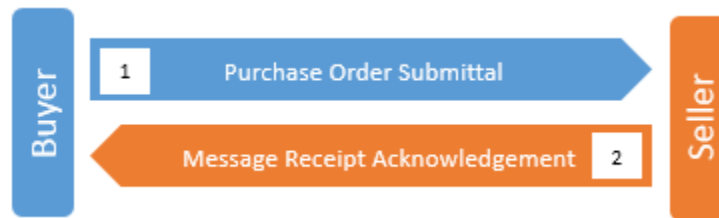
Return CodeID	Description	Remarks
5070	Version not supported	The recipient does not support the version represented in the message

3-5. Message Receipt Acknowledgement Use Cases

3-5-1. Message Receipt Acknowledgement Use Case - Basic

In this scenario, the recipient receives a message that can be read and sends a Message Receipt Acknowledgement indicating that the message could be read.

Figure 8 - Message Receipt Acknowledgment Message Flow - Basic



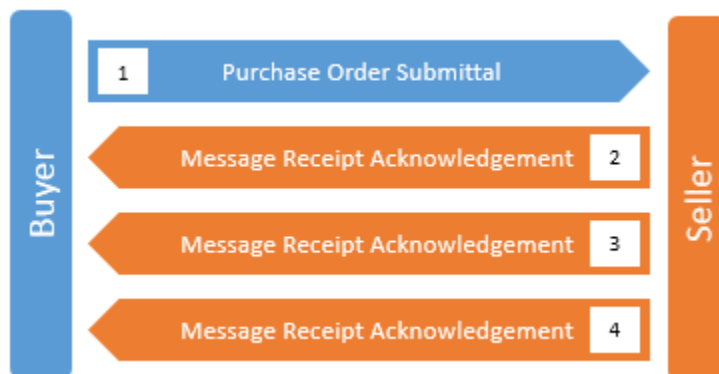
Message #1 - Purchase Order Submittal – The buyer sends a Purchase Order Submittal message to the seller.

Message #2 – Message Receipt Acknowledgement – The seller receives the Purchase Order Submittal message and is able to read it. The seller immediately sends a Message Receipt Acknowledgement with a ReturnCodeID of 1000 (Message received and can be read) and puts the MessageID of the original message in OriginalMessageID.

3-5-2. Message Receipt Acknowledgement Use Case - Detailed

In this scenario, the recipient receives a message that can be read, sends the initial Message Receipt Acknowledgement and then follows up by sending optional Message Receipt Acknowledgements detailing the progress of the message.

Figure 9 – Message Receipt Acknowledgment Message Flow - Detailed



Message #1 - Purchase Order Submittal – The buyer sends a Purchase Order Submittal message to the seller.

Message #2 – Message Receipt Acknowledgement – The seller receives the Purchase Order Submittal message and is able to read it. The seller immediately sends a Message Receipt Acknowledgement with a ReturnCodeID of 1000 (Message received and can be read).

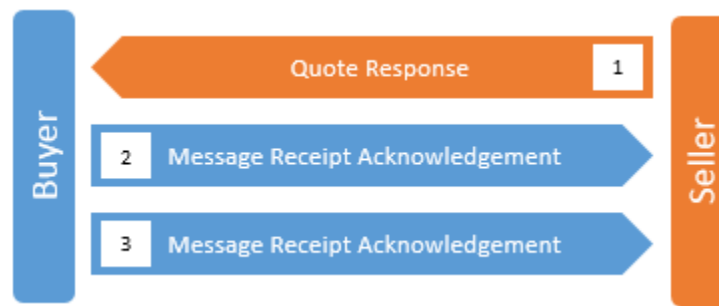
Message #3 - Message Receipt Acknowledgement – Since the purchase order needs to be manually reviewed before it is recorded in their system, the seller sends a Message Receipt Acknowledgement with a ReturnCodeID of 1020 (Message waiting for manual review).

Message #4 - Message Receipt Acknowledgement – The purchase order was reviewed and recorded in the seller's system so the seller sends a Message Receipt Acknowledgement with a ReturnCodeID of 1030 (Message recorded in application system).

3-5-3. Message Receipt Acknowledgement Use Case - Error

In this scenario, the recipient receives a message that can be read, sends the initial Message Receipt Acknowledgement and then sends another Message Receipt Acknowledgement because an error was encountered.

Figure 10 – Message Receipt Acknowledgment Message Flow - Error



Message #1 – Quote Response – The seller sends a Quote Response message to the buyer referencing the buyer's Quote Request Number.

Message #2 – Message Receipt Acknowledgement – The buyer receives the Quote Response message and is able to read it. The buyer immediately sends a Message Receipt Acknowledgement with a ReturnCodeID of 1000 (Message received and can be read).

Message #3 - Message Receipt Acknowledgement – Since the Quote Response message contains a Quote Request Number that is not recognized by the buyer, the buyer sends a Message Receipt Acknowledgement with a ReturnCodeID of 5040 (Unrecognized subject).

3-5-4. Message Receipt Acknowledgement XML Sample

- 1) `<?xml version="1.0" encoding="UTF-8"?>`
- 2) `<ata:MessageReceipt xmlns:ata="http://www.ataebiz.org/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.ataebiz.org/XMLSchema ../MessageReceipt.xsd">`
- 3) `<ata:Header>`
- 4) `<ata:ID_Info ata:messageVersion="1.01" ata:timeStamp="2001-12-17T09:30:47Z" ata:lang="en-us">`
- 5) `<ata:MessageID ata:source="SUPPLIERSPARESSYSTEM">B047D242-D720-4A8C-BDBD-9AFCB5260F08</ata:MessageID>`
- 6) `</ata:ID_Info>`
- 7) `<ata:From>`

8) <ata:CompanyCode ata:TypeOfCompanyCode="CAGE">81205</ata:CompanyCode>
9) <ata:CompanyCode ata:TypeOfCompanyCode="DUNS">848025649</ata:CompanyCode>
10) <ata:CompanyName>Boeing</ata:CompanyName>
11) </ata:From>
12) <ata:To>
13) <ata:CompanyCode ata:TypeOfCompanyCode="CIC">AAT</ata:CompanyCode>
14) <ata:CompanyName>American Airlines</ata:CompanyName>
15) </ata:To>
16) </ata:Header>
17) <OriginalMessageID ata:source="AASCEPTRE">123456AB1-1</OriginalMessageID>
18) <ReturnCode>
19) <ata:ReturnCodeID>1000</ata:ReturnCodeID>
20) <ata:AdditionalReturnInfo>Message received and can be read</ata:AdditionalReturnInfo>
21) </ReturnCode>
22) </ata:MessageReceipt>

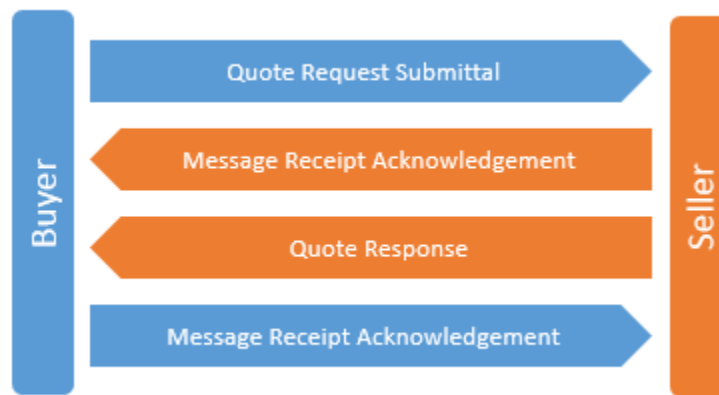
Section 4. Quotation Process

4-1. Quotation Process Description

The quotation process consists of the Quote Request Submittal message from the buyer followed by an immediate Message Receipt Acknowledgement message and then one or more Quote Response messages from the seller. The buyer will respond to each Quote Response message received with a unique Message Receipt Acknowledgement message.

Below is a high level depiction of the message flow.

Figure 11 - Quotation Process Flow



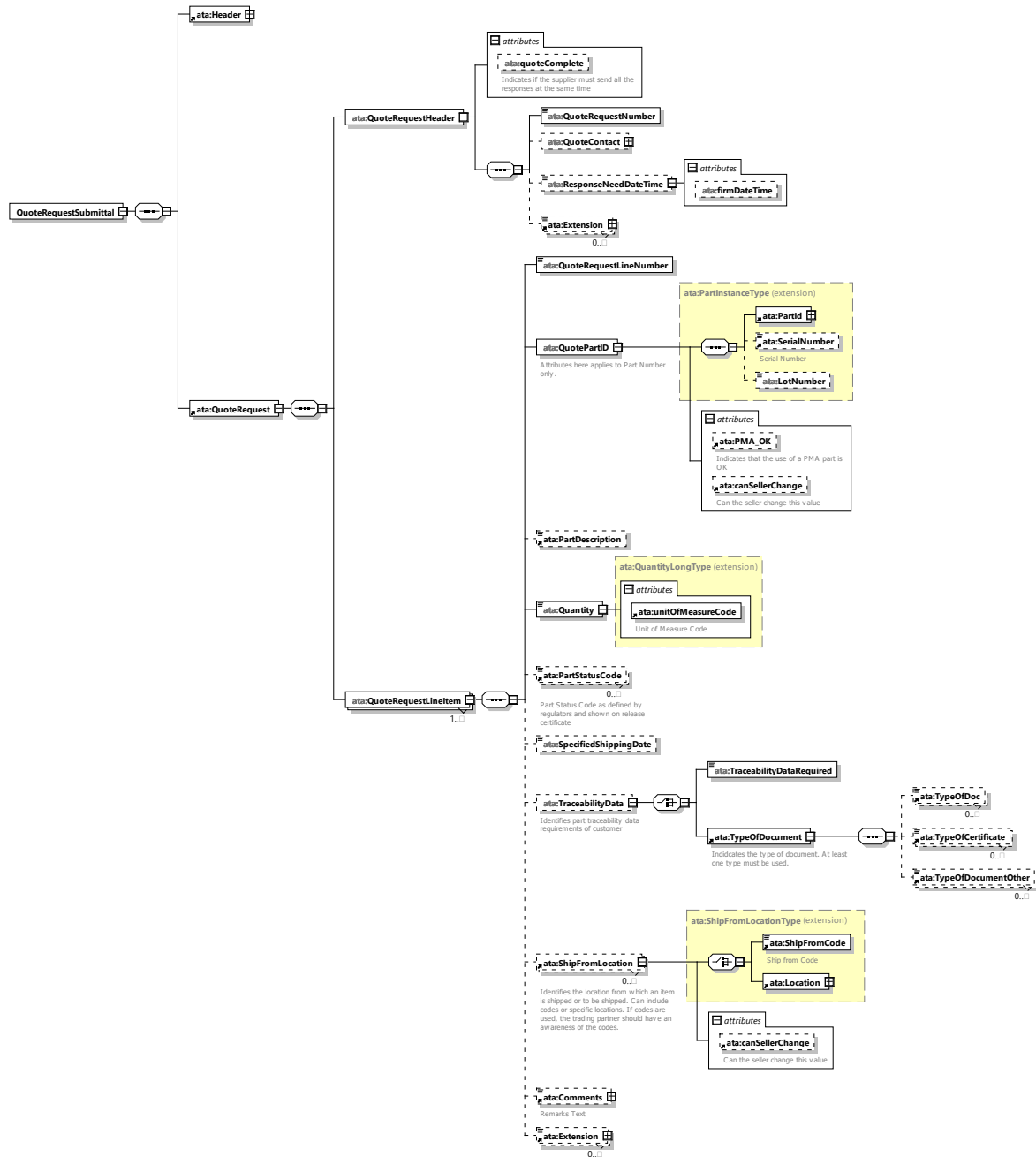
4-2. Business Rules

1. When sending a Quote Request Submittal message, a buyer that specifies a date that the response is needed and also indicates that the date is firm, will not expect an associated Quote Response message sent by the seller after the response needed date. A seller, unable to respond by the response needed date should send a Quote Response message with a quote status of NoQuote.
2. When a buyer sends a Quote Request Submittal message with the quoteComplete attribute present, the seller should only send a Quote Response message when the seller has a price quotation (QuoteStatus is "Final") or will not provide a price quotation (QuoteStatus is "NoQuote") for all items in the Quote Request Submittal message.
3. Providing a value in the SpecifiedShippingDate field on the Quote Request Submittal message is to convey to the seller when they would like the seller to ship the parts, should the buyer submit an order for the part. The seller can use this date to determine if expedite charges, if any, would apply. The seller may provide lead times that exceed the SpecifiedShippingDate.

4-3. Quotation Process XML Schema Illustrations

4-3-1. Quote Request Submittal Schema Diagram

Figure 12 - Quote Request Submittal Schema Design



4-3-2. Quote Response Schema Diagram

Figure 13 - Quote Response (Top Level) Schema Design



Figure 14 - Quote Response (Details) Schema Design

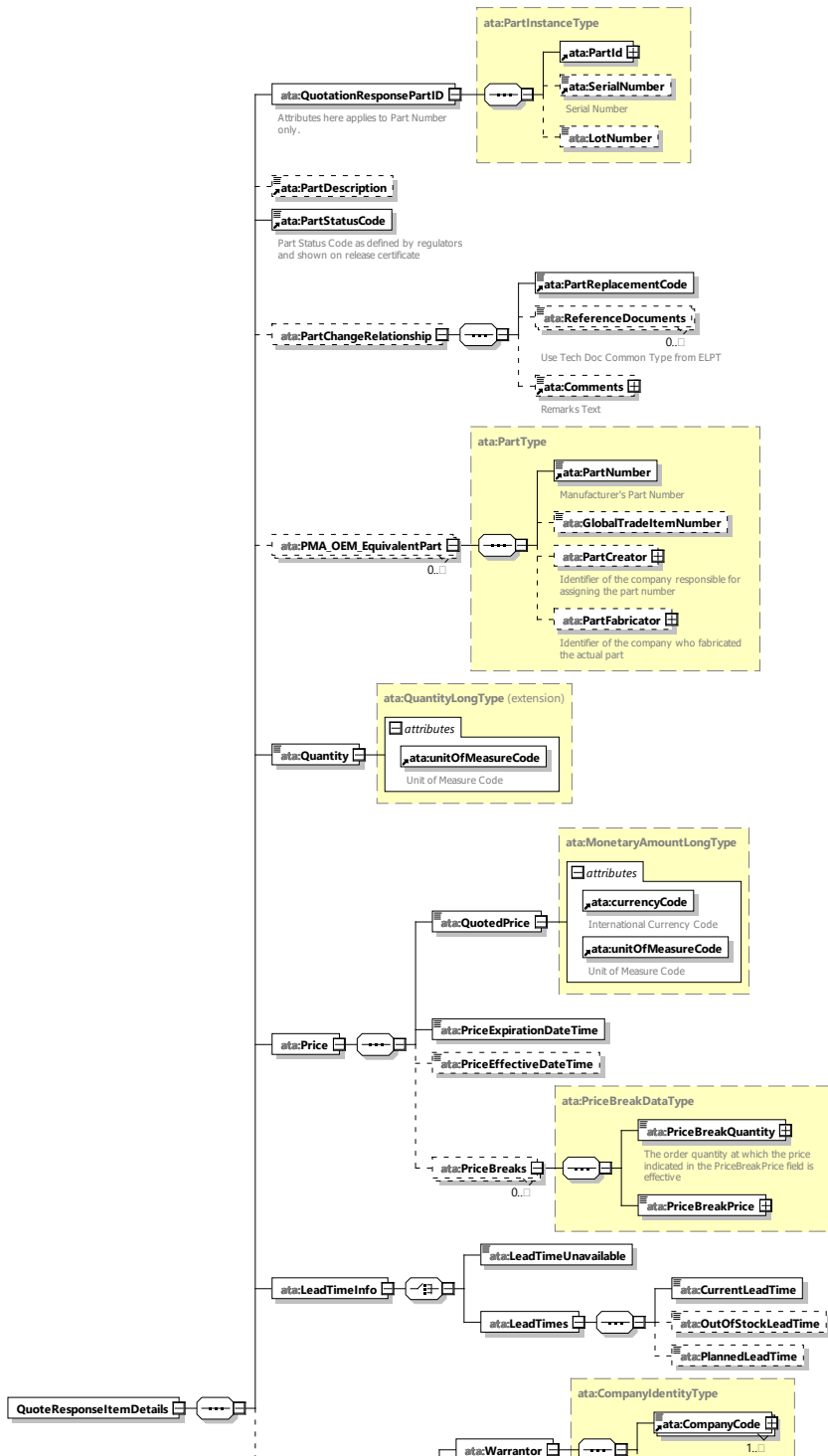
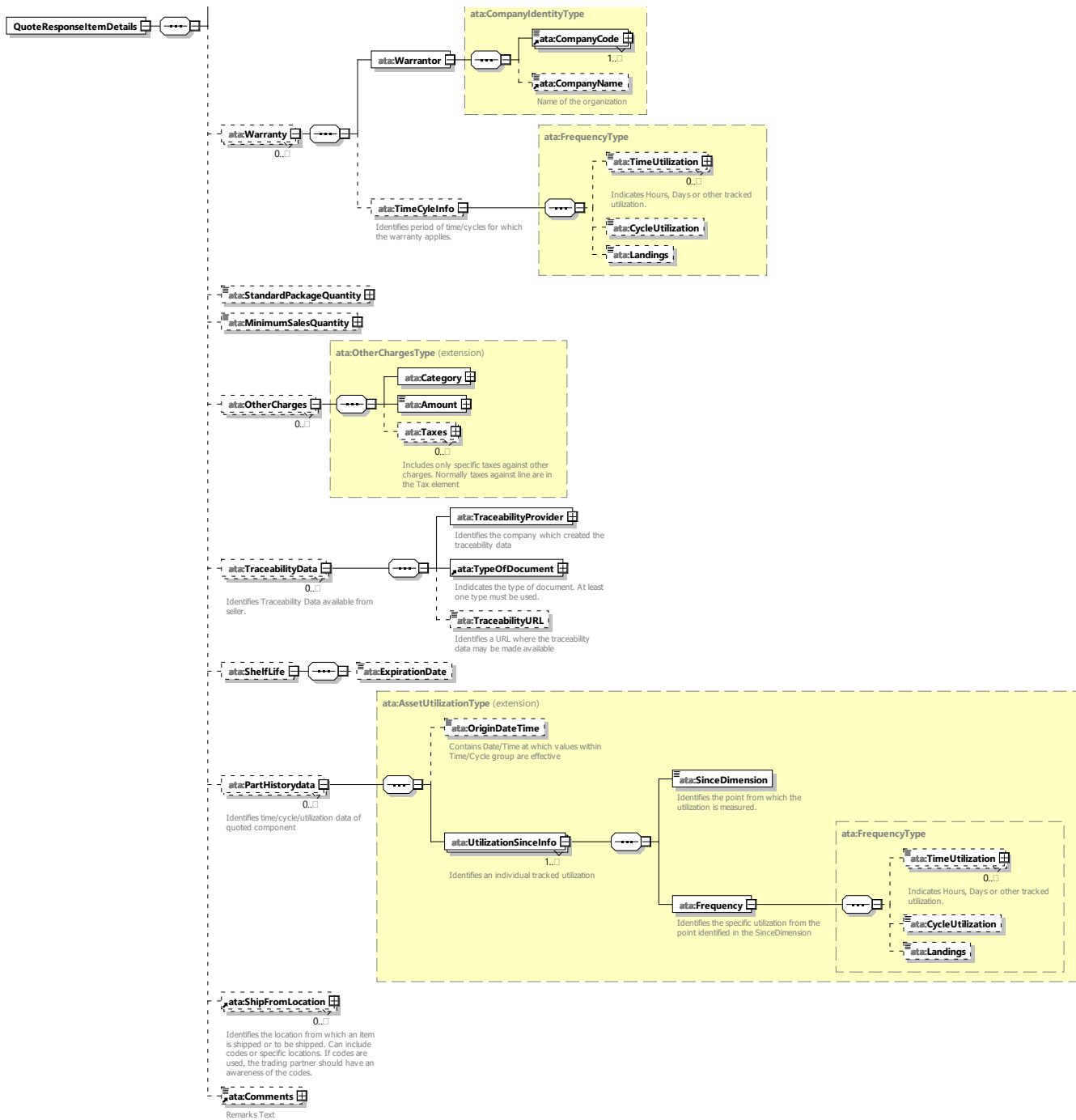


Figure 15 - Quote Response (Details) Schema Design – Cont.



4-4. Quote Response Status

Table 3 – Quote Response QuoteStatus Values

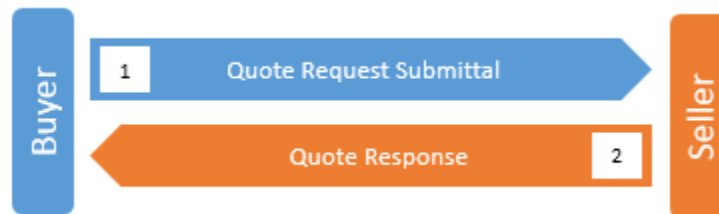
Quote Status	Description
NoQuote	The seller has determined to not supply a quote price and instead “no quotes” the item. The seller is no longer working on a response to the quote item.
Final	The seller has provided a quote price. The seller is no longer working on a response to the quote item.
InWork	The seller indicates that the quote has been received and that they are working on a response to the quote item. The response will either have a status of NoQuote or Final.

4-5. Quote Use Case

4-5-1. Description

The purpose of this example is to cover the basics of a request for quotation for a couple of part numbers, with some optional fields included, indicating whether PMA or alternates will be considered, and to show a response that includes several alternate part numbers with different prices, usage characteristics, etc.

Figure 16 - Quote Use Case Message Flow



For simplicity, Message Receipt Acknowledgement messages are not depicted in the flow above or in the use case below.

Message #1 – Quote Request Submittal – The buyer sends a Quote Request Submittal message to the seller containing two line items. One for part number 320115 in a new or overhauled condition and the other for part number MS123456789 in a new condition. The buyer indicates they need the response in six days.

Message #2 – Quote Response – The seller sends a Quote Response message to the buyer for both items. For the first item, the seller includes three responses, one that quotes the requested part number, one that quotes an alternative part number and one that quotes the requested part number in an overhauled condition. For the second item, the seller includes two responses, each from a different vendor.

4-5-2. Quote Use Case – Message #1 – Quote Request Submittal

Table 4 – Quotation Request Submittal Use Case

XML Line #	Field Name (XPath)	Data	Remarks
2	/ata:QuoteRequestSubmittal@xsi:schemaLocation	http://www.ataebiz.org/XMLSchemas ../QuoteRequestSubmittal.xsd	
4	/ata:QuoteRequestSubmittal/ata:Header/ata:ID_Info@ata:messageVersion	1.01	Version of the XML Schema (XSD) that was used to generate the XML message so recipient knows which Schema can be used to validate
4	/ata:QuoteRequestSubmittal/ata:Header/ata:ID_Info@ata:timeStamp	2017-08-30T09:30:47Z	System date/time stamp
4	/ata:QuoteRequestSubmittal/ata:Header/ata:ID_Info@ata:lang	en-us	
5	/ata:QuoteRequestSubmittal/ata:Header/ata:ID_Info/ata:MessageID	79659764589764875	System message ID #
5	/ata:QuoteRequestSubmittal/ata:Header/ata:ID_Info/ata:MessageID@ata:source	SAP	System which generated the System message ID #
8	/ata:QuoteRequestSubmittal/ata:Header/ata:From/ata:CompanyCode	BUY	Buying company's identification code
8	/ata:QuoteRequestSubmittal/ata:Header/ata:From/ata:CompanyCode@ata:TypeOfCompanyCode	CIC	Type of company code (i.e. CAGE, CIC, DUNS)
9	/ata:QuoteRequestSubmittal/ata:Header/ata:From/ata:CompanyName	Buyer Inc.	Buying Company name
12	/ata:QuoteRequestSubmittal/ata:Header/ata:To/ata:CompanyCode	CAGE1	Supplier code of the seller's company
12	/ata:QuoteRequestSubmittal/ata:Header/ata:To/ata:CompanyCode@ata:TypeOfCompanyCode	CAGE	Type of company code (i.e. CAGE, CIC, DUNS)
13	/ata:QuoteRequestSubmittal/ata:Header/ata:To/ata:CompanyName	Seller Inc.	Seller's Company name
17	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestHeader@ata:quoteComplete	Y	Quote Complete "Y" indicates that all part numbers referenced in the quotation request should be responded, otherwise the response will not be considered by the buyer
18	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestHeader/ata:QuoteRequestNumber	QTR20160831	Quote request number

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XML Line #	Field Name (XPath)	Data	Remarks
20	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestHeader/ata:QuoteContact/ata:Name	Sean Melia	Individual submitting the request for quotation (or to contact with questions about the request for quotation)
21	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestHeader/ata:QuoteContact/ata:Email	smelia@buyerinc.com	
23	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestHeader/ata:QuoteContact/ata:Phone/ata:TelephoneCountryCode	1	
24	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestHeader/ata:QuoteContact/ata:Phone/ata:TelephoneNumber	9725551212	
26	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestHeader/ata:QuoteContact/ata:PreferredContactMethod	Phone	
27	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestHeader/ata:QuoteContact/ata:JobTitle	Purchasing Manager	
29	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestHeader/ata:ResponseNeedDateTime	2017-09-05T22:00:00Z	Indicates that the quote response is due to the buyer prior to 22:00 Zulu time.
29	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestHeader/ata:ResponseNeedDateTime@ata:firmDateTime	YES	Indicates if the response is not received by the response need date time, it likely will not be considered
32	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:QuoteRequestLineNumber	10	Quote request line number
33	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:QuotePartID@ata:canSellerChange	Yes	The seller can quote an alternate part number to the requested part number.
35	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:QuotePartID/ata:PartID/ata:PartNumber	320115	
37	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:QuotePartID/ata:PartID/ata:PartCreator/ata:CompanyCode	S1234	Identifies the manufacturer, government agency or other organization controlling the design and the part number assignment of subject part
37	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:QuotePartID/ata:PartID/ata:PartCreator/ata:CompanyCode@ata:TypeOfCompanyCode	CAGE	Type of company code (i.e. CAGE, CIC, DUNS)
38	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:QuotePartID/ata:PartID/ata:PartCreator/ata:CompanyName	WIDGETS MANUFACTURING	

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XML Line #	Field Name (XPath)	Data	Remarks
42	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:PartDescription	ACTUATOR	
43	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:Quantity	5	
43	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:Quantity@ata:unitOfMeasureCode	EA	
44	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:PartStatusCode	NEW	Indicates that new parts are considered in the quote response
45	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:PartStatusCode	OVERHAULED	Indicates that Overhauled parts are also considered in the response.
46	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:SpecifiedShippingDate	2018-01-01	
49	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:TraceabilityData/ata:TypeOfDocument/TypeOfCertificate	FAA 8130-3	Indicates that the Authorized Release Certificate 8130-3 is required.
52	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:Comments	Must provide serial number if applicable	Miscellaneous comments against an individual quotation request line
55	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:QuoteRequestLineNumber	20	Quote request line number (second in a series – note the requester doesn't have to use sequential line numbers)
56	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:QuotePartID@ata:PMA_OK	Y	The seller can quote a PMA Part
56	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:QuotePartID@ata:canSellerChange	Yes	The seller can quote an alternate part number to the requested part number.
58	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:QuotePartID/ata:PartId/ata:PartNumber	MS123456789	
60	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:QuotePartID/ata:PartId/ata:PartCreator/ata:CompanyCode	96906	Identifies the manufacturer, government agency or other organization controlling the design and the part number assignment of subject part
60	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:QuotePartID/ata:PartId/ata:PartCreator/ata:CompanyCode@ata:TypeOfCompanyCode	CAGE	Type of company code (i.e. CAGE, CIC, DUNS)
64	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:PartDescription	RIVET	

XML Line #	Field Name (XPath)	Data	Remarks
65	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:Quantity	10	
65	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:Quantity@ata:unitOfMeasureCode	LB	Indicates to quote the Rivets in price per Pounds rather than per rivet
66	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:PartStatusCode	NEW	Indicates that only new parts are desired
67	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:SpecifiedShippingDate	2018-01-01	
70	/ata:QuoteRequestSubmittal/ata:QuoteRequest/ata:QuoteRequestLineItem/ata:TraceabilityData/ata:TypeOfDocument/TypeOfDocumentOther	Certificate of Conformance	Indicates documentation that seller is requiring.

4-5-3. Quote Use Case – Message #1 – Quote Request Submittal XML

```

1) <?xml version="1.1" encoding="UTF-8"?>
2) <ata:QuoteRequestSubmittal xmlns:ata="http://www.ataebiz.org/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="http://www.ataebiz.org/XMLSchema/QuoteRequestSubmittal.xsd">
3)   <ata:Header>
4)     <ata:ID_Info ata:messageVersion="1.01" ata:timeStamp="2017-08-30T09:30:47Z" ata:lang="en-us">
5)       <ata:MessageID ata:source="SAP">79659764589764875</ata:MessageID>
6)     </ata:ID_Info>
7)     <ata:From>
8)       <ata:CompanyCode ata:TypeOfCompanyCode="CIC">BUY</ata:CompanyCode>
9)       <ata:CompanyName>Buyer Inc.</ata:CompanyName>
10)    </ata:From>
11)    <ata:To>
12)      <ata:CompanyCode ata:TypeOfCompanyCode="CAGE">CAGE1</ata:CompanyCode>
13)      <ata:CompanyName>Seller Inc.</ata:CompanyName>
14)    </ata:To>
15)  </ata:Header>
16)  <ata:QuoteRequest>
17)    <ata:QuoteRequestHeader ata:quoteComplete="Y">
18)      <ata:QuoteRequestNumber>QTR20160831</ata:QuoteRequestNumber>
19)      <ata:QuoteContact>
20)        <ata:Name>Sean Melia</ata:Name>
21)        <ata:Email>smelia@buyerinc.com</ata:Email>
22)        <ata:Phone>
23)          <ata:TelephoneCountryCode>1</ata:TelephoneCountryCode>
24)          <ata:TelephoneNumber>9725551212</ata:TelephoneNumber>
25)        </ata:Phone>
26)        <ata:PreferredContactMethod>Phone</ata:PreferredContactMethod>

```

```

27) <ata:JobTitle>Purchasing Manager</ata:JobTitle>
28) </ata:QuoteContact>
29) <ata:ResponseNeedDateTime ata:firmDateTime="Yes">2017-09-05T22:00:00Z</ata:ResponseNeedDateTime>
30) </ata:QuoteRequestHeader>
31) <ata:QuoteRequestLineItem>
32) <ata:QuoteRequestLineNumber>10</ata:QuoteRequestLineNumber>
33) <ata:QuotePartID ata:canSellerChange="Yes">
34) <ata:PartId>
35) <ata:PartNumber>320115</ata:PartNumber>
36) <ata:PartCreator>
37) <ata:CompanyCode ata:TypeOfCompanyCode="CAGE">S1234</ata:CompanyCode>
38) <ata:CompanyName>WIDGETS MANUFACTURING</ata:CompanyName>
39) </ata:PartCreator>
40) </ata:PartId>
41) </ata:QuotePartID>
42) <ata:PartDescription>ACTUATOR</ata:PartDescription>
43) <ata:Quantity ata:unitOfMeasureCode="EA">5</ata:Quantity>
44) <ata:PartStatusCode>NEW</ata:PartStatusCode>
45) <ata:PartStatusCode>OVERHAULED</ata:PartStatusCode>
46) <ata:SpecifiedShippingDate>2018-01-01</ata:SpecifiedShippingDate>
47) <ata:TraceabilityData>
48) <ata:TypeOfDocument>
49) <ata:TypeOfCertificate>FAA Form 8130-3</ata:TypeOfCertificate>
50) </ata:TypeOfDocument>
51) </ata:TraceabilityData>
52) <ata:Comments>Must provide serial number if applicable.</ata:Comments>
53) </ata:QuoteRequestLineItem>
54) <ata:QuoteRequestLineItem>
55) <ata:QuoteRequestLineNumber>20</ata:QuoteRequestLineNumber>
56) <ata:QuotePartID ata:PMA_OK="Y" ata:canSellerChange="Yes">
57) <ata:PartId>
58) <ata:PartNumber>MS123456789</ata:PartNumber>
59) <ata:PartCreator>
60) <ata:CompanyCode ata:TypeOfCompanyCode="CAGE">96906</ata:CompanyCode>
61) </ata:PartCreator>
62) </ata:PartId>
63) </ata:QuotePartID>
64) <ata:PartDescription>RIVET</ata:PartDescription>
65) <ata:Quantity ata:unitOfMeasureCode="LB">10</ata:Quantity>
66) <ata:PartStatusCode>NEW</ata:PartStatusCode>
67) <ata:SpecifiedShippingDate>2018-01-01</ata:SpecifiedShippingDate>
68) <ata:TraceabilityData>
69) <ata:TypeOfDocument>
70) <ata:TypeOfDocumentOther>Certificate of Conformance</ata:TypeOfDocumentOther>
71) </ata:TypeOfDocument>

```

- 72) </ata:TraceabilityData>
 73) </ata:QuoteRequestLineItem>
 74) </ata:QuoteRequest>
 75) </ata:QuoteRequestSubmittal>

4-5-4. Quote Use Case – Message #2 - Quote Response

Table 5 – Quote Response Use Case

XML Line #	Field Name (XPath)	Data	Remarks
2	/ata:QuoteResponse@xsi:schemaLocation	http://www.ataebiz.org/XMLSchema ../QuoteResponse.xsd	
4	/ata:QuoteResponse/ata:Header/ata:ID_Info@ata:messageVersion	1.01	Message version indicating which version of the Schema that the XML file conforms to.
4	/ata:QuoteResponse/ata:Header/ata:ID_Info@ata:timeStamp	2017-09-03T17:30:47Z	System date/time stamp
5	/ata:QuoteResponse/ata:Header/ata:ID_Info/ata:MessageID	9876508756087	System message ID #
5	/ata:QuoteRequestSubmittal/ata:Header/ata:ID_Info/ata:MessageID@ata:source	Quantum	System which generated the System message ID #
8	/ata:QuoteResponse/ata:Header/ata:From/ata:CompanyCode	CAGE1	Identifies the CAGE code of the company providing the Quotation (the seller)
8	/ata:QuoteResponse/ata:Header/ata:From/ata:CompanyCode@ata:TypeOfCompanyCode	CAGE	Type of company code (i.e. CAGE, CIC, DUNS)
9	/ata:QuoteResponse/ata:Header/ata:From/ata:CompanyName	Seller Inc.	Seller's Company name
12	/ata:QuoteResponse/ata:Header/ata:To/ata:CompanyCode	BUY	Customer identification code of buyer's company
12	/ata:QuoteResponse/ata:Header/ata:To/ata:CompanyCode@ata:TypeOfCompanyCode	CIC	Type of company code (i.e. CAGE, CIC, DUNS)
13	/ata:QuoteResponse/ata:Header/ata:To/ata:CompanyName	Buyer Inc.	Buyer's Company name
18	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseHeader/ata:QuoteRequestNumber	QTR20160831	Quote Request Number (of the buyer)
19	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseHeader/ata:QuoteResponseNumber	RS2016-09-03A1	Quote Reponse Number of the seller
20	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseHeader/ata:QuoteResponseDate	2017-09-03T00:00:00Z	Response Date/time (note use 00:00:00 if only date is maintained in system)

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XML Line #	Field Name (XPath)	Data	Remarks
22	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseHeader/ata:SalesContact/ata:Name	Rick Karsten	Sales contact
23	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseHeader/ata:SalesContact/ata:Email	rkarsten@sellerinc.com	
25	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseHeader/ata:SalesContact/ata:Phone/ata:TelephoneCountryCode	1	Country code
26	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseHeader/ata:SalesContact/ata:TelephoneNumber	2026264000	Phone number
27	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseHeader/ata:SalesContact/ata:Phone/ata:Extension	4132	Phone Extension
29	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseHeader/ata:SalesContact/ata:PreferredContactMethod	Email	Preferred response method
30	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseHeader/ata:SalesContact/ata:JobTitle	Sales Manager	
32	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseHeader/ata:MinimumOrderValue	100.00	Minimum Order Value that the seller will need from the buyer.
32	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseHeader/ata:MinimumOrderValue @ata:currencyCode	USD	Currency of minimum order value
32	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseHeader/ata:MinimumOrderValue @ata:level	FullOrder	Whether the minimum order value applies to a line or the entire order.
35	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteRequestLineNumber	10	Line number from the buyer's original quote request
37	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseLineNumber	1	Quote response line number of the seller
39	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteStatusInfo/ata:QuoteStatus	Final	Quote response status - indicates that this is the final quote response. (note this could optionally be used to indicate a No quote or indicate that the quote is still in work using values (NoQuote or InWork))
44	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:QuotationResponsePartID/ata:PartID/ata:PartNumber	320115	Part number that is being quoted
46	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:QuotationResponsePartID/ata:PartID/ata:PartCreator/ata:CompanyCode	S1234	CAGE code of the manufacturer of the quoted part number

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XML Line #	Field Name (XPath)	Data	Remarks
46	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:QuotationResponsePartID/ata:PartID/ata:PartCreator/ata:CompanyCode@ata:TypeOfCompanyCode	CAGE	Type of company code (i.e. CAGE, CIC, DUNS)
47	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:QuotationResponsePartID/ata:PartID/ata:PartCreator/ata:CompanyName	Widgets Manufacturing	Name of the company whose part number is being quoted.
51	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:PartDescription	ACTUATOR	Description of part number being quoted
52	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:PartStatusCode	NEW	Type of Part being quoted.
53	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Quantity	5	
53	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Quantity@ata:unitOfMeasureCode	EA	
55	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Price/ata:QuotedPrice	5000.00	Unit price of the quoted part number
55	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Price/ata:QuotedPrice@ata:currencyCode	USD	
55	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Price/ata:QuotedPrice@ata:unitOfMeasureCode	EA	
56	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Price/ata:PriceExpirationDateTime	2017-12-31T23:59:59Z	Date & Time through which the quotation will remain valid.
57	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Price/ata:PriceEffectiveDateTime	2017-09-01T00:00:00Z	Date & Time from when the quotation will remain valid.
61	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:LeadTimeInfo/ata:LeadTimes/ata:CurrentLeadTime	1	Lead time for the item currently (which implies that this is what the lead time is for in stock items)
62	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:LeadTimeInfo/ata:LeadTimes/ata:CurrentLeadTime	60	Lead time for the item if it is out of stock

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XML Line #	Field Name (XPath)	Data	Remarks
67	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Warranty/ata:Warrantor/ata:CompanyCode	S1234	CAGE code of the company providing the warranty.
67	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Warranty/ata:Warrantor/ata:CompanyCode@typeOfCompanyCode	CAGE	Type of company code (i.e. CAGE, CIC, DUNS)
67	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Warranty/ata:Warrantor/ata:CompanyName	Widgets Manufacturing	Name of the company providing the warranty.
71	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Warranty/ata:TimeCycleInfo/ata:TimeUtilization	PT200000H	ISO 8601 Duration format indicating the warranty is for 20,000 Hours
71	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Warranty/ata:TimeCycleInfo/ata:TimeUtilization@timeDimension	Operating	Indicates that the warranty duration above is "Operating Hours"
72	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Warranty/ata:TimeCycleInfo/ata:CycleUtilization	10000	Indicates that the warranty is effective for 10,000 cycles
77	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:OtherCharges/ata:Category/ata:ChargeCategory	Container	Indicates the type of other charges
79	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:OtherCharges/ata:Amount	100.00	Indicates (with currencyCode attribute) a price for the container of \$100.00
79	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:OtherCharges/ata:Amount/@ata:unitOfMeasureCode	EA	
79	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:OtherCharges/ata:Amount/@ata:currencyCode	USD	
81	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:OtherCharges/ata:Taxes/ata:TaxType	Sales	Indicates that the type of taxes shown are Sales Taxes
82	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:OtherCharges/ata:Taxes/ata:TaxingLocality	CA	Indicates that the California Sales taxes are applied

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XML Line #	Field Name (XPath)	Data	Remarks
83	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:OtherCharges/ata:Taxes/ata:TaxRate	8.0	Indicates the tax rate of 8%
84	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:OtherCharges/ata:Taxes/ata:TaxableAmount	25000.00	Indicates the value on which the taxes are applied
85	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:OtherCharges/ata:Taxes/ata:TaxAmount	2000.00	Indicates the total tax amount (with the currency code USD)
90	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:TraceabilityData/ata:TraceabilityProvider/ata:CompanyCode	CAGE1	Indicates the CAGE code for which traceability data is available
90	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:TraceabilityData/ata:TraceabilityProvider/ata:CompanyCode@typeOfCompanyCode	CAGE	Type of company code (i.e. CAGE, CIC, DUNS)
93	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:TraceabilityData/ata:TypeOfDocument/ata:TypeOfDoc	ARC	Indicates that an Authorized Release Certificate (such as an EASA Form 1, FAA Form 8130-3) is available.
95	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:TraceabilityData/ata:TraceabilityURL	https://www.CAGE1.com/traceability/xs1235ayf1	Shows URL where the ARC can be found
100	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseLineNumber	2	Second quote response line number of the seller (Still related to the first line 10 Quote Request Number). This line group is meant to show an alternate part that is available.
102	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteStatusInfo/ata:QuoteStatus	Final	Quote response status - indicates that this is the final quote response. (note this could optionally be used to indicate a No quote or indicate that the quote is still in work using values (NoQuote or InWork))
107	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:QuotationResponsePartID/ata:PartID/ata:PartNumber	320115-1	Part number that is being quoted

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XML Line #	Field Name (XPath)	Data	Remarks
109	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:QuotationResponsePartID/ata:PartID/ata:PartCreator/ata:CompanyCode	S1234	CAGE code of the manufacturer of the quoted part number
109	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:QuotationResponsePartID/ata:PartID/ata:PartCreator/ata:CompanyCode@ata:TypeOfCompanyCode	CAGE	Type of company code (i.e. CAGE, CIC, DUNS)
110	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:QuotationResponsePartID/ata:PartID/ata:PartCreator/ata:CompanyName	Widgets Manufacturing	Name of the company whose part number is being quoted.
114	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:PartDescription	ACTUATOR	Description of part number being quoted
115	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:PartStatusCode	NEW	Type of Part being quoted.
117	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:PartChangeRelationship/ata:PartReplacementCode	TwoWay	Indicates the interchangeability of the quoted part to the originally requested part number.
118	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:PartChangeRelationship/ata:ReferenceDocuments	SB1234	Indicates the document (in this case likely a Service Bulletin) which confirms the interchangeability of the parts.
120	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Quantity	5	Quantity of quoted parts
120	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Quantity@ata:unitOfMeasureCode	EA	
122	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Price/ata:Quoted Price	4800.00	Unit price of the quoted part number
122	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Price/ata:Quoted Price/@ata:unitOfMeasureCode	EA	
122	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Price/ata:Quoted Price@ata:currencyCode	USD	
123	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Price/ata:PriceExpirationDateTime	2017-12-31T23:59:59Z	Date & Time through which the quotation will remain valid.

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XML Line #	Field Name (XPath)	Data	Remarks
124	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Price/ata:PriceEffectiveDateTime	2017-09-01T00:00:00Z	Date & Time from when the quotation will remain valid.
128	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:LeadTimeInfo/ata:LeadTimes/ata:CurrentLeadTime	1	Lead time for the item currently (which implies that this is what the lead time is for in stock items)
129	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:LeadTimeInfo/ata:LeadTimes/ata:CurrentLeadTime	60	Lead time for the item if it is out of stock
130-164	...		Same data as was provided for line 1 above
167	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseLineNumber	3	Third quotation response line to the initial line 10 requested part number
169	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteStatusInfo/ata:QuoteStatus	Final	Quote response status - indicates that this is the final quote response. (note this could optionally be used to indicate a No quote or indicate that the quote is still in work using values (NoQuote or InWork))
174	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:QuotationResponsePartID/ata:PartID/ata:PartNumber	320115	Part number that is being quoted
176	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:QuotationResponsePartID/ata:PartID/ata:PartCreator/ata:CompanyCode	S1234	CAGE code of the manufacturer of the quoted part number
176	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:QuotationResponsePartID/ata:PartID/ata:PartCreator/ata:CompanyCode@ata:TypeOfCompanyCode	CAGE	Type of company code (i.e. CAGE, CIC, DUNS)
177	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:QuotationResponsePartID/ata:PartID/ata:PartCreator/ata:CompanyName	Widgets Manufacturing	Name of the company whose part number is being quoted.
180	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:QuotationResponsePartID/ata:SerialNumber	SER12304	Serial Number of the quoted unit
182	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:PartDescription	ACTUATOR	Description of part number being quoted

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XML Line #	Field Name (XPath)	Data	Remarks
183	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:PartStatusCode	OVERHAULED	The part being quoted on line three is an overhauled rather than new part.
184	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Quantity	1	
184	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Quantity@ata:unitOfMeasureCode	EA	
186	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Price/ata:Quoted Price	3000.00	Unit price of the quoted part number
186	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Price/ata:Quoted Price@ata:unitOfMeasureCode	EA	
186	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Price/ata:Quoted Price@ata:currencyCode	USD	
187	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Price/ata:PriceExpirationDateTime	2017-09-30T23:59:59Z	Date & Time through which the quotation will remain valid.
188	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Price/ata:PriceEffectiveDateTime	2017-09-01T00:00:00Z	Date & Time from when the quotation will remain valid.
192	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:LeadTimeInfo/ata:LeadTimes/ata:CurrentLeadTime	1	Lead time for the item currently (which implies that this is what the lead time is for in stock items)
197	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Warranty/ata:Warrantor/ata:CompanyCode	CAGE1	CAGE code of the company providing the warranty. (in this case the seller, not the original manufacturer)
197	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Warranty/ata:Warrantor/ata:CompanyCode@typeOfCompanyCode	CAGE	Type of company code (i.e. CAGE, CIC, DUNS)
198	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Warranty/ata:Warrantor/ata:CompanyName	Seller Inc	Name of company providing the warranty

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XML Line #	Field Name (XPath)	Data	Remarks
201	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Warranty/ata:TimeCycleInfo/ata:TimeUtilization	PT10000H	ISO 8601 Duration format indicating the warranty is for 10,000 Operating Hours
202	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Warranty/ata:TimeCycleInfo/ata:CycleUtilization	5000	Indicates that the warranty is effective for 5,000 cycles
			Note only some of the important differences are shown
224	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:TraceabilityData/ata:TypeOfDocument/ata:TypeOfDocumentOther	Teardown Report 2016-05	Shows the traceability data would include the teardown report from the Overhaul.
230	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:PartHistoryData/ata:UtilizationSinceInfo/ata:SinceDimension	New	Indicates that the values shown for the time part history are “since new”
232	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:PartHistoryData/ata:UtilizationSinceInfo/ata:Frequency/ata:TimeUtilization	P9476H	Shows the part has operated 9,476 Hours since New
233	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:PartHistoryData/ata:UtilizationSinceInfo/ata:Frequency/ata:TimeUtilization	3210	Shows part has 3210 cycles since new.
237	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:PartHistoryData/ata:UtilizationSinceInfo/ata:SinceDimension	Overhaul	Indicates that the values shown for the time part history are “since overhaul”
239	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:PartHistoryData/ata:UtilizationSinceInfo/ata:Frequency/ata:TimeUtilization	PTOH	Shows the part has not been operated since the overhaul was done
240	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:PartHistoryData/ata:UtilizationSinceInfo/ata:Frequency/ata:TimeUtilization	0	Shows no cycles since the overhaul was done.
248	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteRequestLineNumber	20	Second line number from the buyer’s original quote request

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XML Line #	Field Name (XPath)	Data	Remarks
250	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseLineNumber	1	First quote response line number of the seller to the second buyer's requested part.
252	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteStatusInfo/ata:QuoteStatus	Final	Quote response status - indicates that this is the final quote response. (note this could optionally be used to indicate a No quote or indicate that the quote is still in work using values (NoQuote or InWork)
257	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:QuotationResponsePartID/ata:PartID/ata:PartNumber	MS123456789	Part number that is being quoted
259	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:QuotationResponsePartID/ata:PartID/ata:PartCreator/ata:CompanyCode	96906	CAGE code of the manufacturer of the quoted part number
259	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:QuotationResponsePartID/ata:PartID/ata:PartCreator/ata:CompanyCode@ata:TypeOfCompanyCode	CAGE	Type of company code (i.e. CAGE, CIC, DUNS)
263	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:PartDescription	RIVET	Description of part number being quoted
264	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:PartStatusCode	NEW	Status of Part being quoted.
265	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Quantity	10	
265	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Quantity@ata:unitOfMeasureCode	LB	Unit of Measure of the part – in this case Rivets are being quoted per pound rather than per unit.
267	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Price/ata:Quoted Price	300.00	Unit price of the quoted part number (per pound shown in the unit of measure
267	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Price/ata:Quoted Price@ata:unitOfMeasureCode	LB	
267	/ata:QuoteResponse/ata:QuoteResponseDetails/ata:QuoteResponseLineItem/ata:QuoteResponse/ata:QuoteResponseItemDetails/ata:Price/ata:Quoted Price@ata:currencyCode	USD	