



Vendor 855 Purchase Order Acknowledgment

Version: 4010 1.0 Final

Created: 9/22/2014
Modified: 5/25/2016

855

Purchase Order Acknowledgment

Functional Group=PR

Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Acknowledgment Transaction Set (855) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to a seller's acknowledgment of a buyer's purchase order. This transaction set can also be used as notification of a vendor generated order. This usage advises a buyer that a vendor has or will ship merchandise as prearranged in their partnership.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1			Must use
040	CUR	Currency	O	1			Used
050	REF	Reference Identification	O	12			Used
150	DTM	Date/Time Reference	O	10			Must use
240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used
277	CTB	Restrictions/Conditions	O	>1			Used
LOOP ID - N1					200		
300	N1	Name	O	1			Used
320	N3	Address Information	O	2			Used
330	N4	Geographic Location	O	1			Used

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - PO1					100000	N2/010L	
010	PO1	Baseline Item Data	O	1		N2/010	Used
LOOP ID - PID					1000		
050	PID	Product/Item Description	O	1			Used
090	PO4	Item Physical Details	O	1			Used
140	IT8	Conditions of Sale	O	1			Used
210	LDT	Lead Time	O	12			Used
240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used
LOOP ID - ACK					104		
270	ACK	Line Item Acknowledgment	O	1			Used
LOOP ID - SCH					200	N2/310L	
310	SCH	Line Item Schedule	O	1		N2/310	Must use

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - CTT					1	N3/010L	
010	CTT	Transaction Totals	O	1		N3/010	Used
020	AMT	Monetary Amount	O	1		N3/020	Used
030	SE	Transaction Set Trailer	M	1			Must use

Notes:

2/010L PO102 is required.

2/010 PO102 is required.

- 2/310L The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.
- 2/310 The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.
- 3/010L The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.
- 3/010 The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.
- 3/020 If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To indicate the start of a transaction set and to assign a control number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use
Description: Code uniquely identifying a Transaction Set						
CodeList Summary (Total Codes: 298, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		855		Purchase Order Acknowledgment		
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

BAK Beginning Segment for Purchase Order Acknowledgment

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 6

User Option (Usage): Must use

Purpose: To indicate the beginning of the Purchase Order Acknowledgment Transaction Set and transmit identifying numbers and dates

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BAK01	353	Transaction Set Purpose Code	M	ID	2/2	Must use
Description: Code identifying purpose of transaction set						
CodeList Summary (Total Codes: 65, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		00		Original		
BAK02	587	Acknowledgment Type	M	ID	2/2	Must use
Description: Code specifying the type of acknowledgment						
CodeList Summary (Total Codes: 15, Included: 8)						
		<u>Code</u>		<u>Name</u>		
		AC		Acknowledge - With Detail and Change		
		AD		Acknowledge - With Detail, No Change		
		AE		Acknowledge - With Exception Detail Only		
		AK		Acknowledge - No Detail or Change		
		AP		Acknowledge - Product Replenishment		
		AT		Accepted		
		RD		Reject with Detail		
		RF		Reject with Exception Detail Only		
BAK03	324	Purchase Order Number	M	AN	1/22	Must use
Description: Identifying number for Purchase Order assigned by the orderer/purchaser						
BAK04	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD						
User: <i>Purchase Order Date</i>						
BAK08	127	Reference Identification	O	AN	1/30	Must use
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						
User: <i>Sales order number assigned by the vendor sending the transaction.</i>						
BAK09	373	Date	O	DT	8/8	Used
Description: Date expressed as CCYYMMDD						
User: <i>Acknowledgment Date</i>						

Semantics:

1. BAK04 is the date assigned by the purchaser to purchase order.
2. BAK08 is the seller's order number.
3. BAK09 is the date assigned by the sender to the acknowledgment.

CUR Currency

Pos: 040	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CUR01	98	Entity Identifier Code	M	ID	2/2	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual

CodeList Summary (Total Codes: 1312, Included: 1)

<u>Code</u>	<u>Name</u>
SE	Selling Party

CUR02	100	Currency Code	M	ID	3/3	Must use
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Description: Code (Standard ISO) for country in whose currency the charges are specified

User:

USD = US Dollars

CAD = Canadian Dollars

Syntax Rules:

1. C0807 - If CUR08 is present, then CUR07 is required.
2. C0907 - If CUR09 is present, then CUR07 is required.
3. L101112 - If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4. C1110 - If CUR11 is present, then CUR10 is required.
5. C1210 - If CUR12 is present, then CUR10 is required.
6. L131415 - If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7. C1413 - If CUR14 is present, then CUR13 is required.
8. C1513 - If CUR15 is present, then CUR13 is required.
9. L161718 - If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10. C1716 - If CUR17 is present, then CUR16 is required.
11. C1816 - If CUR18 is present, then CUR16 is required.
12. L192021 - If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13. C2019 - If CUR20 is present, then CUR19 is required.
14. C2119 - If CUR21 is present, then CUR19 is required.

Comments:

1. See Figures Appendix for examples detailing the use of the CUR segment.

REF Reference Identification

Pos: 050	Max: 12
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To specify identifying information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/2	Must use

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1503, Included: 1)

<u>Code</u>	<u>Name</u>
VN	Vendor Order Number

REF02	127	Reference Identification	C	AN	1/30	Used
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

DTM Date/Time Reference

Pos: 150	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use

Description: Code specifying type of date or time, or both date and time

CodeList Summary (Total Codes: 1112, Included: 2)

<u>Code</u>	<u>Name</u>
017	Estimated Delivery
User:	
<i>This date includes carrier in-transit days.</i>	
083	Scheduled for Shipment (Prior to and Including)
User:	
<i>This date does not include carrier in-transit days.</i>	

DTM02	373	Date	C	DT	8/8	Must use
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Description: Date expressed as CCYYMMDD

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

User:

An estimated time of arrival or ship date is required by Tech Data.

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 240	Max: 12
Heading - Optional	
Loop: N/A	Elements: 5

User Option (Usage): Used

Purpose: To specify the carrier and sequence of routing and provide transit time information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>														
TD502	66	Identification Code Qualifier	C	ID	1/2	Used														
<p>Description: Code designating the system/method of code structure used for Identification Code (67)</p> <p>CodeList Summary (Total Codes: 215, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>2</td> <td>Standard Carrier Alpha Code (SCAC)</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	2	Standard Carrier Alpha Code (SCAC)										
<u>Code</u>	<u>Name</u>																			
2	Standard Carrier Alpha Code (SCAC)																			
TD503	67	Identification Code	C	AN	2/80	Used														
<p>Description: Code identifying a party or other code</p>																				
TD504	91	Transportation Method/Type Code	C	ID	1/2	Used														
<p>Description: Code specifying the method or type of transportation for the shipment</p> <p>CodeList Summary (Total Codes: 71, Included: 6)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Air</td> </tr> <tr> <td>H</td> <td>Customer Pickup</td> </tr> <tr> <td>L</td> <td>Contract Carrier</td> </tr> <tr> <td>M</td> <td>Motor (Common Carrier)</td> </tr> <tr> <td>P</td> <td>Private Carrier</td> </tr> <tr> <td>AE</td> <td>Air Express</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	A	Air	H	Customer Pickup	L	Contract Carrier	M	Motor (Common Carrier)	P	Private Carrier	AE	Air Express
<u>Code</u>	<u>Name</u>																			
A	Air																			
H	Customer Pickup																			
L	Contract Carrier																			
M	Motor (Common Carrier)																			
P	Private Carrier																			
AE	Air Express																			
TD510	732	Transit Time Direction Qualifier	O	ID	2/2	Used														
<p>Description: Code specifying the value of time used to measure the transit time</p> <p>CodeList Summary (Total Codes: 10, Included: 2)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>CD</td> <td>Calendar Days (Includes weekends and Holidays)</td> </tr> <tr> <td>WD</td> <td>Working Days (Excludes weekends and holidays)</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	CD	Calendar Days (Includes weekends and Holidays)	WD	Working Days (Excludes weekends and holidays)								
<u>Code</u>	<u>Name</u>																			
CD	Calendar Days (Includes weekends and Holidays)																			
WD	Working Days (Excludes weekends and holidays)																			
TD511	733	Transit Time	C	R	1/4	Used														
<p>Description: The numeric amount of transit time</p>																				

Syntax Rules:

1. R0204050612 - At least one of TD502, TD504, TD505, TD506 or TD512 is required.
2. C0203 - If TD502 is present, then TD503 is required.
3. C0708 - If TD507 is present, then TD508 is required.
4. C1011 - If TD510 is present, then TD511 is required.
5. C1312 - If TD513 is present, then TD512 is required.
6. C1413 - If TD514 is present, then TD513 is required.
7. C1512 - If TD515 is present, then TD512 is required.

Semantics:

1. TD515 is the country where the service is to be performed.

Comments:

1. When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

CTB Restrictions/Conditions

Pos: 277	Max: >1
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To specify restrictions/conditions (such as shipping, ordering)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTB01	688	Restrictions/Conditions Qualifier	M	ID	2/2	Must use

Description: Code identifying the type of restriction/condition

CodeList Summary (Total Codes: 9, Included: 3)

<u>Code</u>	<u>Name</u>
AA	Paperwork
OR	Ordering
SR	Shipping

CTB02	352	Description	C	AN	1/80	Used
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Description: A free-form description to clarify the related data elements and their content

Syntax Rules:

1. R020406 - At least one of CTB02, CTB04 or CTB06 is required.
2. P0304 - If either CTB03 or CTB04 is present, then the other is required.
3. P0506 - If either CTB05 or CTB06 is present, then the other is required.

N1**Name**

Pos: 300	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used**Purpose:** To identify a party by type of organization, name, and code**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/2	Must use
Description: Code identifying an organizational entity, a physical location, property or an individual						
CodeList Summary (Total Codes: 1312, Included: 2)						
		<u>Code</u>		<u>Name</u>		
		ST		Ship To		
		VN		Vendor		
N102	93	Name	C	AN	1/25	Must use
Description: Free-form name						
N103	66	Identification Code Qualifier	C	ID	1/2	Must use
Description: Code designating the system/method of code structure used for Identification Code (67)						
CodeList Summary (Total Codes: 215, Included: 2)						
		<u>Code</u>		<u>Name</u>		
		93		Code assigned by the organization originating the transaction set		
		94		Code assigned by the organization that is the ultimate destination of the transaction set		
N104	67	Identification Code	C	AN	2/80	Must use
Description: Code identifying a party or other code						

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

N3 Address Information

Pos: 320	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information	M	AN	1/25	Must use
		Description: Address information				
N302	166	Address Information	O	AN	1/25	Used
		Description: Address information				

N4 Geographic Location

Pos: 330	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	O	AN	2/19	Must use
		Description: Free-form text for city name				
N402	156	State or Province Code	O	ID	2/2	Must use
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	O	ID	3/9	Must use
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	Country Code	O	ID	2/2	Used
		Description: Code identifying the country				

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

PO1 Baseline Item Data

Pos: 010	Max: 1
Detail - Optional	
Loop: PO1	Elements: 10

User Option (Usage): Used

Purpose: To specify basic and most frequently used line item data

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO101	350	Assigned Identification	O	AN	1/6	Must use
Description: Alphanumeric characters assigned for differentiation within a transaction set						
User: <i>Original purchase order line number</i>						
PO102	330	Quantity Ordered	C	R	1/9	Must use
Description: Quantity ordered						
PO103	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
CodeList Summary (Total Codes: 794, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		EA		Each		
PO104	212	Unit Price	C	R	1/14	Used
Description: Price per unit of product, service, commodity, etc.						
PO106	235	Product/Service ID Qualifier	C	ID	2/2	Must use
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
CodeList Summary (Total Codes: 477, Included: 3)						
		<u>Code</u>		<u>Name</u>		
		BP		Buyer's Part Number		
				User:		
				<i>Tech Data Material number.</i>		
		UP		U.P.C. Consumer Package Code (1-5-5-1)		
				User:		
				<i>For other EAN codes contact your buyer.</i>		
		VP		Vendor's (Seller's) Part Number		
PO107	234	Product/Service ID	C	AN	1/30	Must use
Description: Identifying number for a product or service						
PO108	235	Product/Service ID Qualifier	C	ID	2/2	Used
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
PO109	234	Product/Service ID	C	AN	1/30	Used
Description: Identifying number for a product or service						
PO110	235	Product/Service ID Qualifier	C	ID	2/2	Used
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
PO111	234	Product/Service ID	C	AN	1/30	Used
Description: Identifying number for a product or service						

Syntax Rules:

1. C0302 - If PO103 is present, then PO102 is required.
2. C0504 - If PO105 is present, then PO104 is required.
3. P0607 - If either PO106 or PO107 is present, then the other is required.
4. P0809 - If either PO108 or PO109 is present, then the other is required.
5. P1011 - If either PO110 or PO111 is present, then the other is required.
6. P1213 - If either PO112 or PO113 is present, then the other is required.
7. P1415 - If either PO114 or PO115 is present, then the other is required.
8. P1617 - If either PO116 or PO117 is present, then the other is required.
9. P1819 - If either PO118 or PO119 is present, then the other is required.
10. P2021 - If either PO120 or PO121 is present, then the other is required.
11. P2223 - If either PO122 or PO123 is present, then the other is required.
12. P2425 - If either PO124 or PO125 is present, then the other is required.

Comments:

1. See the Data Element Dictionary for a complete list of IDs.
2. PO101 is the line item identification.
3. PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

PID Product/Item Description

Pos: 050	Max: 1
Detail - Optional	
Loop: PID	Elements: 2

User Option (Usage): Used

Purpose: To describe a product or process in coded or free-form format

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PID01	349	Item Description Type	M	ID	1/1	Must use

Description: Code indicating the format of a description

CodeList Summary (Total Codes: 3, Included: 1)

<u>Code</u>	<u>Name</u>
F	Free-form

PID05	352	Description	C	AN	1/80	Used
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Description: A free-form description to clarify the related data elements and their content

Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.
3. C0703 - If PID07 is present, then PID03 is required.
4. C0804 - If PID08 is present, then PID04 is required.
5. C0905 - If PID09 is present, then PID05 is required.

Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

PO4 Item Physical Details

Pos: 090	Max: 1
Detail - Optional	
Loop: PO1	Elements: 3

User Option (Usage): Used

Purpose: To specify the physical qualities, packaging, weights, and dimensions relating to the item

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO401	356	Pack	O	N0	1/6	Used
		Description: The number of inner containers, or number of eaches if there are no inner containers, per outer container				
PO402	357	Size	C	R	1/8	Used
		Description: Size of supplier units in pack				
PO403	355	Unit or Basis for Measurement Code	C	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		CodeList Summary (Total Codes: 794, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		EA	Each			

Syntax Rules:

1. P0203 - If either PO402 or PO403 is present, then the other is required.
2. C0506 - If PO405 is present, then PO406 is required.
3. P0607 - If either PO406 or PO407 is present, then the other is required.
4. P0809 - If either PO408 or PO409 is present, then the other is required.
5. C1013 - If PO410 is present, then PO413 is required.
6. C1113 - If PO411 is present, then PO413 is required.
7. C1213 - If PO412 is present, then PO413 is required.
8. L13101112 - If PO413 is present, then at least one of PO410, PO411 or PO412 is required.
9. C1716 - If PO417 is present, then PO416 is required.
10. C1804 - If PO418 is present, then PO404 is required.

Semantics:

1. PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
2. PO416 is the package identifier or the beginning package identifier in a range of identifiers.
3. PO417 is the ending package identifier in a range of identifiers.
4. PO418 is the number of packages in this layer.

Comments:

1. PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
2. PO413 defines the unit of measure for PO410, PO411, and PO412.

IT8 Conditions of Sale

Pos: 140	Max: 1
Detail - Optional	
Loop: PO1	Elements: 1

User Option (Usage): Used

Purpose: To specify general conditions or requirements and to detail conditions for substitution of alternate products

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IT801	563	Sales Requirement Code	C	ID	1/2	Used

Description: Code to identify a specific requirement or agreement of sale

CodeList Summary (Total Codes: 54, Included: 4)

<u>Code</u>	<u>Name</u>
N	No Back Order
BK	Ship Partial - Balance Back Order
SC	Ship Complete
SP	Ship Partial,Balance Cancel

Syntax Rules:

1. R0102030507 - At least one of IT801, IT802, IT803, IT805 or IT807 is required.
2. P0809 - If either IT808 or IT809 is present, then the other is required.
3. P1011 - If either IT810 or IT811 is present, then the other is required.
4. P1213 - If either IT812 or IT813 is present, then the other is required.
5. P1415 - If either IT814 or IT815 is present, then the other is required.
6. P1617 - If either IT816 or IT817 is present, then the other is required.
7. P1819 - If either IT818 or IT819 is present, then the other is required.
8. P2021 - If either IT820 or IT821 is present, then the other is required.
9. P2223 - If either IT822 or IT823 is present, then the other is required.
10. P2425 - If either IT824 or IT825 is present, then the other is required.
11. P2627 - If either IT826 or IT827 is present, then the other is required.

Semantics:

1. IT803 is the maximum monetary amount value which the order must not exceed.
2. IT804 is the account number to which the purchase amount is to be charged.
3. IT805 is the date specified by the sender to be shown on the invoice.

Comments:

1. Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
2. IT808 through IT827 provides for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

LDT Lead Time

Pos: 210	Max: 12
Detail - Optional	
Loop: PO1	Elements: 4

User Option (Usage): Used

Purpose: To specify lead time for availability of products and services

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LDT01	345	Lead Time Code	M	ID	2/2	Must use
		Description: Code indicating the time range				
		CodeList Summary (Total Codes: 30, Included: 2)				
		<u>Code</u>		<u>Name</u>		
		AE		From date of PO receipt to shipment		
		AF		From date of PO receipt to delivery		
LDT02	380	Quantity	M	R	1/15	Must use
		Description: Numeric value of quantity				
LDT03	344	Unit of Time Period or Interval	M	ID	2/2	Must use
		Description: Code indicating the time period or interval				
		CodeList Summary (Total Codes: 50, Included: 2)				
		<u>Code</u>		<u>Name</u>		
		DA		Calendar Days		
		DW		Work Days		
LDT04	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				

Semantics:

1. LDT04 is the effective date of lead time information.

Comments:

1. LDT02 is the quantity of unit of time periods.

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 240	Max: 12
Detail - Optional	
Loop: PO1	Elements: 5

User Option (Usage): Used

Purpose: To specify the carrier and sequence of routing and provide transit time information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD502	66	Identification Code Qualifier	C	ID	1/2	Used
Description: Code designating the system/method of code structure used for Identification Code (67)						
CodeList Summary (Total Codes: 215, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		2		Standard Carrier Alpha Code (SCAC)		
TD503	67	Identification Code	C	AN	2/80	Used
Description: Code identifying a party or other code						
TD504	91	Transportation Method/Type Code	C	ID	1/2	Used
Description: Code specifying the method or type of transportation for the shipment						
CodeList Summary (Total Codes: 71, Included: 6)						
		<u>Code</u>		<u>Name</u>		
		A		Air		
		H		Customer Pickup		
		L		Contract Carrier		
		M		Motor (Common Carrier)		
		P		Private Carrier		
		AE		Air Express		
TD510	732	Transit Time Direction Qualifier	O	ID	2/2	Used
Description: Code specifying the value of time used to measure the transit time						
CodeList Summary (Total Codes: 10, Included: 2)						
		<u>Code</u>		<u>Name</u>		
		CD		Calendar Days (Includes weekends and Holidays)		
		CW		Calendar Weeks (7 Day)		
TD511	733	Transit Time	C	R	1/4	Used
Description: The numeric amount of transit time						

Syntax Rules:

1. R0204050612 - At least one of TD502, TD504, TD505, TD506 or TD512 is required.
2. C0203 - If TD502 is present, then TD503 is required.
3. C0708 - If TD507 is present, then TD508 is required.
4. C1011 - If TD510 is present, then TD511 is required.
5. C1312 - If TD513 is present, then TD512 is required.
6. C1413 - If TD514 is present, then TD513 is required.
7. C1512 - If TD515 is present, then TD512 is required.

Semantics:

1. TD515 is the country where the service is to be performed.

Comments:

1. When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

ACK Line Item Acknowledgment

Pos: 270	Max: 1
Detail - Optional	
Loop: ACK	Elements: 7

User Option (Usage): Used

Purpose: To acknowledge the ordered quantities and specify the ready date for a specific line item

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ACK01	668	Line Item Status Code	M	ID	2/2	Must use

Description: Code specifying the action taken by the seller on a line item requested by the buyer

CodeList Summary (Total Codes: 26, Included: 11)

<u>Code</u>	<u>Name</u>
BP	Item Accepted - Partial Shipment,Balance Backordered
IA	Item Accepted
IB	Item Backordered
IC	Item Accepted - Changes Made
ID	Item Deleted
IH	Item on Hold
IP	Item Accepted - Price Changed
IQ	Item Accepted - Quantity Changed
IR	Item Rejected
IS	Item Accepted - Substitution Made
SP	Item Accepted - Schedule Date Pending

ACK02	380	Quantity	C	R	1/10	Must use
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Description: Numeric value of quantity

ACK03	355	Unit or Basis for Measurement Code	C	ID	2/2	Used
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Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

CodeList Summary (Total Codes: 794, Included: 1)

<u>Code</u>	<u>Name</u>
EA	Each

ACK04	374	Date/Time Qualifier	O	ID	3/3	Used
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Description: Code specifying type of date or time, or both date and time

CodeList Summary (Total Codes: 1112, Included: 3)

<u>Code</u>	<u>Name</u>
002	Delivery Requested
017	Estimated Delivery
083	Scheduled for Shipment (Prior to and Including)

ACK05	373	Date	C	DT	8/8	Used
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Description: Date expressed as CCYYMMDD

ACK07	235	Product/Service ID Qualifier	C	ID	2/2	Used
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

CodeList Summary (Total Codes: 477, Included: 1)

<u>Code</u>	<u>Name</u>
ZZ	Mutually Defined

ACK08	234	Product/Service ID	C	AN	1/30	Used
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Description: Identifying number for a product or service

User:

Free-form text or one of the following reject reason codes:

01 - Price Discrepancy

14 - Invalid Part Number

36 - Discontinued Item

41 - Order Quantity Does Not Match Case/Pack Requirements

43 - Unable to Process

Syntax Rules:

1. P0203 - If either ACK02 or ACK03 is present, then the other is required.
2. C0405 - If ACK04 is present, then ACK05 is required.
3. P0708 - If either ACK07 or ACK08 is present, then the other is required.
4. P0910 - If either ACK09 or ACK10 is present, then the other is required.
5. P1112 - If either ACK11 or ACK12 is present, then the other is required.
6. P1314 - If either ACK13 or ACK14 is present, then the other is required.
7. P1516 - If either ACK15 or ACK16 is present, then the other is required.
8. P1718 - If either ACK17 or ACK18 is present, then the other is required.
9. P1920 - If either ACK19 or ACK20 is present, then the other is required.
10. P2122 - If either ACK21 or ACK22 is present, then the other is required.
11. P2324 - If either ACK23 or ACK24 is present, then the other is required.
12. P2526 - If either ACK25 or ACK26 is present, then the other is required.
13. P2728 - If either ACK27 or ACK28 is present, then the other is required.
14. C282729 - If ACK28 is present, then ACK27 and ACK29 are required.

Semantics:

1. ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.

SCH Line Item Schedule

Pos: 310	Max: 1
Detail - Optional	
Loop: SCH	Elements: 4

User Option (Usage): Must use

Purpose: To specify the data for scheduling a specific line-item

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SCH01	380	Quantity	M	R	1/10	Must use
		Description: Numeric value of quantity				
SCH02	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		CodeList Summary (Total Codes: 794, Included: 1)				
		<u>Code</u>		<u>Name</u>		
		EA		Each		
SCH05	374	Date/Time Qualifier	M	ID	3/3	Must use
		Description: Code specifying type of date or time, or both date and time				
		CodeList Summary (Total Codes: 1112, Included: 3)				
		<u>Code</u>		<u>Name</u>		
		002		Delivery Requested		
				User:		
				<i>The date Tech Data requested delivery.</i>		
		017		Estimated Delivery		
				User:		
				<i>This date should include carrier in-transit days.</i>		
		083		Scheduled for Shipment (Prior to and Including)		
				User:		
				<i>This date should not include carrier in-transit days.</i>		
SCH06	373	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				

Syntax Rules:

1. C0304 - If SCH03 is present, then SCH04 is required.
2. L080910 - If SCH08 is present, then at least one of SCH09 or SCH10 is required.
3. C0908 - If SCH09 is present, then SCH08 is required.
4. C1008 - If SCH10 is present, then SCH08 is required.

Semantics:

1. SCH12 is the schedule identification.

Comments:

1. SCH05 specifies the interpretation to be used for SCH06 and SCH07.

User:

An estimated time of arrival or ship date is required by Tech Data.

CTT Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: CTT	Elements: 2

User Option (Usage): Used

Purpose: To transmit a hash total for a specific element in the transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items	M	N0	1/6	Must use

Description: Total number of line items in the transaction set

CTT02	347	Hash Total	O	R	1/10	Used
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Description: Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example:-.0018 First occurrence of value being hashed..18 Second occurrence of value being hashed.1.8 Third occurrence of value being hashed.18.01 Fourth occurrence of value being hashed.-----1855 Hash total prior to truncation.855 Hash total after truncation tothree-digit field.

User: Use PO102, quantity, for hash total.

Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

AMT Monetary Amount

Pos: 020	Max: 1
Summary - Optional	
Loop: CTT	Elements: 2

User Option (Usage): Used

Purpose: To indicate the total monetary amount

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AMT01	522	Amount Qualifier Code	M	ID	1/2	Must use
		Description: Code to qualify amount				
		CodeList Summary (Total Codes: 1473, Included: 1)				
		<u>Code</u>		<u>Name</u>		
		TT		Total Transaction Amount		
AMT02	782	Monetary Amount	M	R	1/15	Must use
		Description: Monetary amount				

SE Transaction Set Trailer

Pos: 030	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments	M	N0	1/10	Must use
		Description: Total number of segments included in a transaction set including ST and SE segments				
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

Comments:

1. SE is the last segment of each transaction set.