



Customer

855 Purchase Order Acknowledgment

Implementation Guideline

Version: 4010 Final

Publication: 1/2/2002
Modified: 2/19/2014

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.

Notes:

- 2/010L PO102 is required.
 2/010 PO102 is required.
 2/040 Sent only when original price received on purchase order differs from current contract price.
 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.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
010	ST	Transaction Set Header	M	1		
020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1		
050	REF	Reference Identification	O	>1		
060	PER	Administrative Communications Contact	O	1		
110	CSH	Sales Requirements	O	1		
150	DTM	Date/Time Reference	O	1		
240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	1		
LOOP ID - N1					200	
300	N1	Name	O	1		
310	N2	Additional Name Information	O	1		
320	N3	Address Information	O	1		
330	N4	Geographic Location	O	1		
340	REF	Reference Identification	O	12		
350	PER	Administrative Communications Contact	O	>1		

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
LOOP ID - PO1					100000	N2/010L
010	PO1	Baseline Item Data	O	1		N2/010
040	CTP	Pricing Information	O	1		N2/040
LOOP ID - PID					1000	
050	PID	Product/Item Description	O	1		
100	REF	Reference Identification	O	>1		
190	SDQ	Destination Quantity	O	500		
240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
LOOP ID - ACK					104	
270	ACK	Line Item Acknowledgment	O	1		

<u>LOOP ID - SCH</u>				<u>200</u>	<u>N2/310L</u>
310	SCH	Line Item Schedule	O	1	N2/310

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>LOOP ID - CTT</u>						<u>N3/010L</u>
010	CTT	Transaction Totals	O	1	1	N3/010
020	AMT	Monetary Amount	O	1		N3/020

ST**Transaction Set Header**

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

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>Rep</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	1
		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	1
		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

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>Rep</u>								
BAK01	353	Transaction Set Purpose Code Description: Code identifying purpose of transaction set CodeList Summary (Total Codes: 65, Included: 1) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>00</td> <td>Original</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	00	Original	M	ID	2/2	1				
<u>Code</u>	<u>Name</u>													
00	Original													
BAK02	587	Acknowledgment Type Description: Code specifying the type of acknowledgment CodeList Summary (Total Codes: 15, Included: 3) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>AC</td> <td>Acknowledge - With Detail and Change</td> </tr> <tr> <td>AD</td> <td>Acknowledge - With Detail, No Change</td> </tr> <tr> <td>RF</td> <td>Reject with Exception Detail Only</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	AC	Acknowledge - With Detail and Change	AD	Acknowledge - With Detail, No Change	RF	Reject with Exception Detail Only	M	ID	2/2	1
<u>Code</u>	<u>Name</u>													
AC	Acknowledge - With Detail and Change													
AD	Acknowledge - With Detail, No Change													
RF	Reject with Exception Detail Only													
BAK03	324	Purchase Order Number Description: Identifying number for Purchase Order assigned by the orderer/purchaser	M	AN	1/22	1								
BAK04	373	Date Description: Date expressed as CCYYMMDD User: Date assigned by the purchaser to the purchase order.	M	DT	8/8	1								
BAK08	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier User: Tech Data sales order number	O	AN	1/30	1								
BAK09	373	Date Description: Date expressed as CCYYMMDD User: Tech Data sales order date.	O	DT	8/8	1								

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.

REF Reference Identification

Pos: 050	Max: >1
Heading - Optional	
Loop: N/A	Elements: 2

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>Rep</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	1
Description: Code qualifying the Reference Identification						
CodeList Summary (Total Codes: 1503, Included: 2)						
		<u>Code</u>		<u>Name</u>		
		AY		Floor Plan Number		
		EU		End User's Purchase Order Number		
REF02	127	Reference Identification	C	AN	1/30	1
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.

PER

Administrative Communications Contact

Pos: 060	Max: 1
Heading - Optional	
Loop: N/A	Elements: 4

Purpose: To identify a person or office to whom administrative communications should be directed

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Rep</u>				
PER01	366	Contact Function Code Description: Code identifying the major duty or responsibility of the person or group named CodeList Summary (Total Codes: 230, Included: 1) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>IC</td> <td>Information Contact</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	IC	Information Contact	M	ID	2/2	1
<u>Code</u>	<u>Name</u>									
IC	Information Contact									
PER02	93	Name Description: Free-form name	O	AN	1/60	1				
PER03	365	Communication Number Qualifier Description: Code identifying the type of communication number CodeList Summary (Total Codes: 40, Included: 1) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>TE</td> <td>Telephone</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	TE	Telephone	C	ID	2/2	1
<u>Code</u>	<u>Name</u>									
TE	Telephone									
PER04	364	Communication Number Description: Complete communications number including country or area code when applicable	C	AN	1/80	1				

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

CSH**Sales Requirements**

Pos: 110	Max: 1
Heading - Optional	
Loop: N/A	Elements: 1

Purpose: To specify general conditions or requirements of the sale

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Rep</u>
CSH01	563	Sales Requirement Code	O	ID	1/2	1

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

CodeList Summary (Total Codes: 55, Included: 3)

<u>Code</u>	<u>Name</u>
N	No Back Order
NL	No Back Order - Cancel Line
SC	Ship Complete

Syntax Rules:

1. C0203 - If CSH02 is present, then CSH03 is required.
2. P0607 - If either CSH06 or CSH07 is present, then the other is required.
3. P0910 - If either CSH09 or CSH10 is present, then the other is required.

Semantics:

1. CSH03 is the maximum monetary amount value which the order must not exceed.
2. CSH04 is the account number to which the purchase amount is charged.
3. CSH05 is the date specified by the sender to be shown on the invoice.
4. CSH06 identifies the source of the code value in CSH07.

DTM Date/Time Reference

Pos: 150	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

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>Rep</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	1

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

Qualifiers 002, 063, and 064 are only returned for qualified retail orders.

CodeList Summary (Total Codes: 1112, Included: 4)

<u>Code</u>	<u>Name</u>
002	Delivery Requested
010	Requested Ship
063	Do Not Deliver After
064	Do Not Deliver Before

DTM02	373	Date	C	DT	8/8	1
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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.

TD5

Carrier Details (Routing Sequence/Transit Time)

Pos: 240	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

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>Rep</u>				
TD502	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) CodeList Summary (Total Codes: 215, Included: 1) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>91</td> <td>Assigned by Seller or Seller's Agent</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	91	Assigned by Seller or Seller's Agent	C	ID	1/2	1
<u>Code</u>	<u>Name</u>									
91	Assigned by Seller or Seller's Agent									
TD503	67	Identification Code Description: Code identifying a party or other code User: Tech Data internal carrier/shipment code.	C	AN	2/80	1				

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.

User:

Unless specified otherwise, this represents the customer's DEFAULT shipping method as specified on the customer's master account record.

N1**Name**

Pos: 300	Max: 1
Heading - Optional	
Loop: N1	Elements: 5

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>Rep</u>
N101	98	Entity Identifier Code	M	ID	2/3	1
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		CodeList Summary (Total Codes: 1312, Included: 3)				
		<u>Code</u>		<u>Name</u>		
		BT		Bill-to-Party		
		BY		Buying Party (Purchaser)		
		ST		Ship To		
N102	93	Name	C	AN	1/30	1
		Description: Free-form name				
N103	66	Identification Code Qualifier	C	ID	1/2	1
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		CodeList Summary (Total Codes: 215, Included: 5)				
		<u>Code</u>		<u>Name</u>		
		9		D-U-N-S+4,D-U-N-S Number with Four Character Suffix		
		91		Assigned by Seller or Seller's Agent		
		92		Assigned by Buyer or Buyer's Agent		
		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	2/17	1
		Description: Code identifying a party or other code				
N106	98	Entity Identifier Code	O	ID	2/3	1
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		User: Only sent when N101 = "EN" and the order is a government or educational order.				
		CodeList Summary (Total Codes: 1311, Included: 7)				
		<u>Code</u>		<u>Name</u>		
		2F		State		
		2R		Federal Facility		
		2Y		General Medical and Surgical Facility		
		AT		Postsecondary Education Recipient		
		KR		Pre-kindergarten to Grade 12 Recipient		
		KS		Pre-kindergarten to Grade 12 Sender		
		M8		Educational Institution		

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.

N2

Additional Name Information

Pos: 310	Max: 1
Heading - Optional	
Loop: N1	Elements: 1

Purpose: To specify additional names or those longer than 35 characters in length

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Rep</u>
N201	93	Name	M	AN	1/35	1

Description: Free-form name

N3**Address Information**

Pos: 320	Max: 1
Heading - Optional	
Loop: N1	Elements: 2

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>Rep</u>
N301	166	Address Information Description: Address information	M	AN	1/35	1
N302	166	Address Information Description: Address information	O	AN	1/35	1

N4 Geographic Location

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

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>Rep</u>
N401	19	City Name Description: Free-form text for city name	O	AN	2/30	1
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	1
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/9	1
N404	26	Country Code Description: Code identifying the country	O	ID	2/3	1

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.

REF**Reference Identification**

Pos: 340	Max: 12
Heading - Optional	
Loop: N1	Elements: 2

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>Rep</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	1

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1501, Included: 6)

<u>Code</u>	<u>Name</u>
1L	Group or Policy Number
CE	Class of Contract Code
User:	
	Contract Type
CT	Contract Number
DP	Department Number
User:	
	Government Cabinet Level
DX	Department/Agency Number
IJ	Standard Industry Classification (SIC) Code

REF02	127	Reference Identification	C	AN	1/30	1
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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.

User:

Sent only when N101 = "EN"

PER**Administrative Communications
Contact**

Pos: 350	Max: >1
Heading - Optional	
Loop: N1	Elements: 8

Purpose: To identify a person or office to whom administrative communications should be directed

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Rep</u>				
PER01	366	Contact Function Code Description: Code identifying the major duty or responsibility of the person or group named CodeList Summary (Total Codes: 230, Included: 1) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>IC</td> <td>Information Contact</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	IC	Information Contact	M	ID	2/2	1
<u>Code</u>	<u>Name</u>									
IC	Information Contact									
PER02	93	Name Description: Free-form name	O	AN	1/60	1				
PER03	365	Communication Number Qualifier Description: Code identifying the type of communication number CodeList Summary (Total Codes: 40, Included: 1) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>TE</td> <td>Telephone</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	TE	Telephone	C	ID	2/2	1
<u>Code</u>	<u>Name</u>									
TE	Telephone									
PER04	364	Communication Number Description: Complete communications number including country or area code when applicable	C	AN	1/80	1				
PER05	365	Communication Number Qualifier Description: Code identifying the type of communication number CodeList Summary (Total Codes: 40, Included: 1) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>FX</td> <td>Facsimile</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	FX	Facsimile	C	ID	2/2	1
<u>Code</u>	<u>Name</u>									
FX	Facsimile									
PER06	364	Communication Number Description: Complete communications number including country or area code when applicable	C	AN	1/80	1				
PER07	365	Communication Number Qualifier Description: Code identifying the type of communication number CodeList Summary (Total Codes: 40, Included: 1) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>EM</td> <td>Electronic Mail</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	EM	Electronic Mail	C	ID	2/2	1
<u>Code</u>	<u>Name</u>									
EM	Electronic Mail									
PER08	364	Communication Number Description: Complete communications number including country or area code when applicable User: Email addresses are limited to a maximum length of 70 characters.	C	AN	1/80	1				

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

User:

Sent only N101 = "EN"

PO1**Baseline Item Data**

Pos: 010	Max: 1
Detail - Optional	
Loop: PO1	Elements: 15

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>Rep</u>										
PO101	350	Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set	O	AN	1/20	1										
PO102	330	Quantity Ordered Description: Quantity ordered	C	R	1/15	1										
PO103	355	Unit or Basis for Measurement Code 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) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>EA</td> <td>Each</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	EA	Each	O	ID	2/2	1						
<u>Code</u>	<u>Name</u>															
EA	Each															
PO104	212	Unit Price Description: Price per unit of product, service, commodity, etc. User: This price will be current price and could be different than what was recieved on the order.	C	R	1/17	1										
PO105	639	Basis of Unit Price Code Description: Code identifying the type of unit price for an item CodeList Summary (Total Codes: 91, Included: 1) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>CP</td> <td>Current Price (Subject to Change)</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	CP	Current Price (Subject to Change)	O	ID	2/2	1						
<u>Code</u>	<u>Name</u>															
CP	Current Price (Subject to Change)															
PO106	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) CodeList Summary (Total Codes: 477, Included: 4) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>BP</td> <td>Buyer's Part Number</td> </tr> <tr> <td>MG</td> <td>Manufacturer's Part Number</td> </tr> <tr> <td>UP</td> <td>U.P.C. Consumer Package Code (1-5-5-1)</td> </tr> <tr> <td>VP</td> <td>Vendor's (Seller's) Part Number</td> </tr> </tbody> </table> User: Tech Data can accept EAN qualifiers. The type of product description is dependent upon the vendor's request. If no request is made the default will be UPC when available. For valid qualifiers contact the EDI support team. The acceptable EAN codes are: EO - length 8 EN - length 13 UK - length 14	<u>Code</u>	<u>Name</u>	BP	Buyer's Part Number	MG	Manufacturer's Part Number	UP	U.P.C. Consumer Package Code (1-5-5-1)	VP	Vendor's (Seller's) Part Number	C	ID	2/2	1
<u>Code</u>	<u>Name</u>															
BP	Buyer's Part Number															
MG	Manufacturer's Part Number															
UP	U.P.C. Consumer Package Code (1-5-5-1)															
VP	Vendor's (Seller's) Part Number															
PO107	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/30	1										
PO108	235	Product/Service ID Qualifier	C	ID	2/2	1										

		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
PO109	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/30	1
PO110	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	1
PO111	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/30	1
PO112	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	1
PO113	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/30	1
PO114	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2	1
		CodeList Summary (Total Codes: 477, Included: 1)				
		Code Name				
		MF Manufacturer				
PO115	234	Product/Service ID Description: Identifying number for a product or service User: Manufacturer	C	AN	1/30	1

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.

CTP

Pricing Information

Pos: 040	Max: 1
Detail - Optional	
Loop: PO1	Elements: 3

Purpose: To specify pricing information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Rep</u>				
CTP03	212	Unit Price Description: Price per unit of product, service, commodity, etc. User: Original price received on purchase order. This segment is only included when the price in the original order has been changed.	C	R	1/17	1				
CTP04	380	Quantity Description: Numeric value of quantity	C	R	1/15	1				
CTP05	C001	Composite Unit of Measure Description: To identify a composite unit of measure(See Figures Appendix for examples of use)	C	Comp		1				
CTP05-01	355	Unit or Basis for Measurement Code 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) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>EA</td> <td>Each</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	EA	Each	M	ID	2/2	1
<u>Code</u>	<u>Name</u>									
EA	Each									

Syntax Rules:

1. P0405 - If either CTP04 or CTP05 is present, then the other is required.
2. C0607 - If CTP06 is present, then CTP07 is required.
3. C0902 - If CTP09 is present, then CTP02 is required.
4. C1002 - If CTP10 is present, then CTP02 is required.
5. C1103 - If CTP11 is present, then CTP03 is required.

Semantics:

1. CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
2. CTP08 is the rebate amount.

Comments:

1. See Figures Appendix for an example detailing the use of CTP03 and CTP04.
2. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

User:

Sent only when original price received on purchase order differs from current contract price.

PID Product/Item Description

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

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>Rep</u>				
PID01	349	Item Description Type Description: Code indicating the format of a description CodeList Summary (Total Codes: 3, Included: 1) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>F</td> <td>Free-form</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	F	Free-form	M	ID	1/1	1
<u>Code</u>	<u>Name</u>									
F	Free-form									
PID05	352	Description Description: A free-form description to clarify the related data elements and their content	C	AN	1/80	1				

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.

REF Reference Identification

Pos: 100	Max: >1
Detail - Optional	
Loop: PO1	Elements: 2

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>Rep</u>				
REF01	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification CodeList Summary (Total Codes: 1503, Included: 1) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>VN</td> <td>Vendor Order Number</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	VN	Vendor Order Number	M	ID	2/3	1
<u>Code</u>	<u>Name</u>									
VN	Vendor Order Number									
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier User: Tech Data Sales Order number.	C	AN	1/30	1				

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.

SDQ

Destination Quantity

Pos: 190	Max: 500
Detail - Optional	
Loop: PO1	Elements: 4

Purpose: To specify destination and quantity detail

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Rep</u>				
SDQ01	355	Unit or Basis for Measurement Code 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) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>EA</td> <td>Each</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	EA	Each	M	ID	2/2	1
<u>Code</u>	<u>Name</u>									
EA	Each									
SDQ02	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) CodeList Summary (Total Codes: 215, Included: 1) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>91</td> <td>Assigned by Seller or Seller's Agent</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	91	Assigned by Seller or Seller's Agent	O	ID	1/2	1
<u>Code</u>	<u>Name</u>									
91	Assigned by Seller or Seller's Agent									
SDQ03	67	Identification Code Description: Code identifying a party or other code User: Tech Data's Warehouse Code	M	AN	2/80	1				
SDQ04	380	Quantity Description: Numeric value of quantity	M	R	1/15	1				

Syntax Rules:

1. P0506 - If either SDQ05 or SDQ06 is present, then the other is required.
2. P0708 - If either SDQ07 or SDQ08 is present, then the other is required.
3. P0910 - If either SDQ09 or SDQ10 is present, then the other is required.
4. P1112 - If either SDQ11 or SDQ12 is present, then the other is required.
5. P1314 - If either SDQ13 or SDQ14 is present, then the other is required.
6. P1516 - If either SDQ15 or SDQ16 is present, then the other is required.
7. P1718 - If either SDQ17 or SDQ18 is present, then the other is required.
8. P1920 - If either SDQ19 or SDQ20 is present, then the other is required.
9. P2122 - If either SDQ21 or SDQ22 is present, then the other is required.

Semantics:

1. SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.

Comments:

1. SDQ02 is used only if different than previously defined in the transaction set.
2. SDQ03 is the store number.
3. SDQ23 may be used to identify areas within a store, e.g., front room, back room, selling outpost, end aisle display, etc. The value is agreed to by trading partners or industry conventions.

TD5

Carrier Details (Routing Sequence/Transit Time)

Pos: 240	Max: 12
Detail - Optional	
Loop: PO1	Elements: 2

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>Rep</u>				
TD502	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) CodeList Summary (Total Codes: 215, Included: 1) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>91</td> <td>Assigned by Seller or Seller's Agent</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	91	Assigned by Seller or Seller's Agent	C	ID	1/2	1
<u>Code</u>	<u>Name</u>									
91	Assigned by Seller or Seller's Agent									
TD503	67	Identification Code Description: Code identifying a party or other code User: Tech Data's internal carrier/shipment code.	C	AN	2/80	1				

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.

User:

Represents the actual shipping method to be used

ACK**Line Item Acknowledgment**

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

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>Rep</u>
ACK01	668	Line Item Status Code	M	ID	2/2	1
Description: Code specifying the action taken by the seller on a line item requested by the buyer						
CodeList Summary (Total Codes: 26, Included: 7)						
		<u>Code</u>		<u>Name</u>		
		BP		Item Accepted - Partial Shipment,Balance Backordered		
		IA		Item Accepted		
		IB		Item Backordered		
		IC		Item Accepted - Changes Made		
		IP		Item Accepted - Price Changed		
		IQ		Item Accepted - Quantity Changed		
		IR		Item Rejected		
ACK02	380	Quantity	C	R	1/15	1
Description: Numeric value of quantity						
ACK03	355	Unit or Basis for Measurement Code	C	ID	2/2	1
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	1
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>		
		083		Scheduled for Shipment (Prior to and Including)		
				User:		
				Sent when product is allocated and scheduled for shipment. Date sent is the date scheduled for shipment.		
		371		Estimated Arrival Date		
				User:		
				Sent when product is fully (ACK01 = IB) or partially (ACK01 = BP) backordered. Date sent is the expected arrival date at Tech Data for the product from their vendor, not the expected shipping date to customers. This date is calculated from open orders and can change as orders are updated throughout the day. This date can be PAST dated indicating a backordered shipment from our vendor. If no open orders exist in Tech Data's system for the product, then no ETA date will be sent.		
ACK05	373	Date	C	DT	8/8	1
Description: Date expressed as CCYYMMDD						
ACK07	235	Product/Service ID Qualifier	C	ID	2/2	1
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
User: Only present when ACK01 = "IR"						

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

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

ACK08	234	Product/Service ID	C	AN	1/48	1
-------	-----	---------------------------	---	----	------	---

Description: Identifying number for a product or service**User:** Reject reason codes when ACK01 = "IR"

PD - Price Discrepancy

RI - Restricted Item

TD - Other, Call Your Tech Data Sales Representative

US - Vendor Dropship Not Available

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

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>Rep</u>				
SCH01	380	Quantity Description: Numeric value of quantity	M	R	1/15	1				
SCH02	355	Unit or Basis for Measurement Code 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) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>EA</td> <td>Each</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	EA	Each	M	ID	2/2	1
<u>Code</u>	<u>Name</u>									
EA	Each									
SCH05	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time CodeList Summary (Total Codes: 1112, Included: 1) <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>002</td> <td>Delivery Requested</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	002	Delivery Requested	M	ID	3/3	1
<u>Code</u>	<u>Name</u>									
002	Delivery Requested									
SCH06	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8	1				

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.

CTT**Transaction Totals**

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

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>Rep</u>
CTT01	354	Number of Line Items	M	N0	1/6	1
		Description: Total number of line items in the transaction set				
CTT02	347	Hash Total	O	R	1/10	1
		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 to three-digit field.				
		User: SDQ04, quantity, is used 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

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>Rep</u>				
AMT01	522	Amount Qualifier Code Description: Code to qualify amount CodeList Summary (Total Codes: 1473, Included: 1) <table> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>TT</td> <td>Total Transaction Amount</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	TT	Total Transaction Amount	M	ID	1/3	1
<u>Code</u>	<u>Name</u>									
TT	Total Transaction Amount									
AMT02	782	Monetary Amount Description: Monetary amount	M	R	1/18	1				