

850 Purchase Order - 3030 vs 4010 Change Document

Functional Group ID=**PO**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) 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 the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BEG	Beginning Segment for Purchase Order	M	1		** Changes for 4010 **
	030	NTE	Note/Special Instruction	O	1		** Changes for 4010 **
	040	CUR	Currency	O	1		** Changes for 4010 **
	050	REF	Reference Identification	O	>1		
	080	FOB	F.O.B. Related Instructions	O	>1		
			LOOP ID - SAC			25	
	120	SAC	Service, Promotion, Allowance, or Charge Information	O	1		** Changes for 4010 ** **more SAC changes *
	122	CSH	Sales Requirements	O	1		
	150	DTM	Date/Time Reference	O	10		** Changes for 4010 ** More DTM 4010 Changes
	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		** Changes for 4010 **
			LOOP ID - N1			200	
	310	N1	Name	O	1		
	330	N3	Address Information	O	2		** Changes for 4010 **
	340	N4	Geographic Location	O	>1		** Changes for 4010 **

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - PO1			100000	**Changes for 4010**
Must Use	010	PO1	Baseline Item Data	M	1	n1	* more PO1 changes *

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - CTT			1	
	010	CTT	Transaction Totals	O	1	n2	

Transaction Set Notes

1. PO102 is required.
2. 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.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 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).
Comments:

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set Refer to 004010 Data Element Dictionary for acceptable code values. M ID 3/3
>>	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set M AN 4/9

Segment: **BEG** Beginning Segment for Purchase Order
Position: 020
Loop:
Level: Heading:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

Syntax Notes:

Semantic Notes: 1 BEG05 is the date assigned by the purchaser to purchase order.

Comments:

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	BEG01	353	Transaction Set Purpose Code M ID 2/2 Code identifying purpose of transaction set Suggested codes for Aftermarket usage. Any ASC X12 approved Code. "00" Original , e.g. Refer to 004010 Data Element Dictionary for acceptable code values.
>>	BEG02	92	Purchase Order Type Code M ID 2/2 Code specifying the type of Purchase Order Suggested codes for Aftermarket usage. Any ASC X12 approved code may be used. BK Blanket Order (Quantity Firm) NE New Order RL Release or Delivery Order (an order for goods placed against a pre-existing contract or blanket order) RO Rush Order SA Stand-Alone Order ZZ Mutually Defined Refer to 004010 Data Element Dictionary for acceptable code values.
>>	BEG03	324	Purchase Order Number M AN 1/22 Identifying number for Purchase Order assigned by the orderer/purchaser
>>	BEG05	373	Date M DT 8/8 Date expressed as CCYYMMDD "MEMA" GUIDELINES MUST BE CHANGED TO REFLECT CCYYMMDD".
	BEG06	367	Contract Number O AN 1/30 Contract number

Segment: **NTE** Note/Special Instruction
Position: 030
Loop:
Level: Heading:
Usage: Optional
Max Use: 1
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Syntax Notes:
Semantic Notes:

Comments: 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
NTE01	363	Note Reference Code	O ID 3/3
		Code identifying the functional area or purpose for which the note applies	
		Suggested code for aftermarket usage. Any ASC X12 approved code may be used.	
		"GEN" Entire Transaction Set	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
>>	NTE02	352 Description	M AN 1/80
		A free-form description to clarify the related data elements and their content	
		"Changed from 60 char's to 80 chars."	

Segment: **CUR** Currency

Position: 040

Loop:

Level: Heading:

Usage: Optional

Max Use: 1

Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction. See Figures Appendix for examples detailing the use of the CUR segment.

- Syntax Notes:**
- 1 If CUR08 is present, then CUR07 is required.
 - 2 If CUR09 is present, then CUR07 is required.
 - 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
 - 4 If CUR11 is present, then CUR10 is required.
 - 5 If CUR12 is present, then CUR10 is required.
 - 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
 - 7 If CUR14 is present, then CUR13 is required.
 - 8 If CUR15 is present, then CUR13 is required.
 - 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
 - 10 If CUR17 is present, then CUR16 is required.
 - 11 If CUR18 is present, then CUR16 is required.
 - 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
 - 13 If CUR20 is present, then CUR19 is required.
 - 14 If CUR21 is present, then CUR19 is required.

Semantic Notes:

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

Notes: Segment Example: CUR*BY*USA

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
>>	CUR01 98 Entity Identifier Code	M ID 2/3
	Code identifying an organizational entity, a physical location, property or an individual	
	ATTEN!!! Field Size changed from 2/2 to 2/3. Suggested code for the aftermarket should be used. Any ASC X12 approved code may be used:	
	BY Buying Party	
	SE Selling Party	
	Refer to 004010 Data Element Dictionary for acceptable code values.	
>>	CUR02 100 Currency Code	M ID 3/3
	Code (Standard ISO) for country in whose currency the charges are specified	

Segment: **REF** Reference Identification
Position: 050
Loop:
Level: Heading:
Usage: Optional
Max Use: >1
Purpose: To specify identifying information

Segment Example: REF*PR*1234567890^
 This is an optional segment.

- Syntax Notes:**
- 1 At least one of REF02 or REF03 is required.
 - 2 If either C04003 or C04004 is present, then the other is required.
 - 3 If either C04005 or C04006 is present, then the other is required.

- Semantic Notes:**
- 1 REF04 contains data relating to the value cited in REF02.
- Comments:**

Data Element Summary

Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>> REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification <i>Suggested codes for the aftermarket usage.</i> Any ASC X12 approved code may be used. CT Contract Number IA Internal Vendor Number PR Price Quote Number RE Release Number Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/3
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **FOB** F.O.B. Related Instructions
Position: 080
Loop:
Level: Heading:
Usage: Optional
Max Use: >1
Purpose: To specify transportation instructions relating to shipment

This is an optional segment that should be avoided if the FOB terms have been legally agreed by the trading partners.

- Syntax Notes:**
- 1 If FOB03 is present, then FOB02 is required.
 - 2 If FOB04 is present, then FOB05 is required.
 - 3 If FOB07 is present, then FOB06 is required.
 - 4 If FOB08 is present, then FOB09 is required.

- Semantic Notes:**
- 1 FOB01 indicates which party will pay the carrier.
 - 2 FOB02 is the code specifying transportation responsibility location.
 - 3 FOB06 is the code specifying the title passage location.
 - 4 FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Comments:

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	FOB01	146	Shipment Method of Payment Code identifying payment terms for transportation charges Use Suggested codes for the aftermarket. Any ASC X12 approved code may be used. BP Paid by Buyer - The Buyer agrees to the transportation payment term requiring the buyer to pay transportation charges to a specified location (origin or destination location). CC Collect PC Prepaid but charged to Customer PP Prepaid (by Seller) PU Pickup Refer to 004010 Data Element Dictionary for acceptable code values.

Segment: SAC Service, Promotion, Allowance, or Charge Information
Position: 120
Loop: SAC Optional
Level: Heading:
Usage: Optional
Max Use: 1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

This is an optional segment and replaces the "SSS" segment used in prior release < 3040.

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.
 - 8 If SAC16 is present, then SAC15 is required.
- Semantic Notes:**
- 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
 - 2 SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
 - 3 SAC08 is the allowance or charge rate per unit.
 - 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
 - 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
 - 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
 - 7 SAC16 is used to identify the language being used in SAC15.
- Comments:**
- 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
 - 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	SAC01	248 Allowance or Charge Indicator	M ID 1/1
		Code which indicates an allowance or charge for the service specified	

Suggested codes for the aftermarket usage. Any ASC X12 approved code may be used.

- A Allowance
- C Charge
- N No Allowance or Charge
- R Allowance Request

Refer to 004010 Data Element Dictionary for acceptable code values.

SAC02 1300 Service, Promotion, Allowance, or Charge Code X ID 4/4

Code identifying the service, promotion, allowance, or charge

NOTE!!! Changed from SSS03 to SAC02!!! Use Suggested codes for the Aftermarket usage. Any ASC X12 approved codes may be used.

EM Emergency Service (SSS03) = C560 (SAC02)

ID Inside Delivery (SSS03) = D820 (SAC02)

PL Palletizing (SSS03) = F190 (SAC02)

Refer to 004010 Data Element Dictionary for acceptable code values.

SAC03 559 Agency Qualifier Code X ID 2/2

Code identifying the agency assigning the code values

Suggested qualifier code for aftermarket usage. Any ASC X12 approved qualifier may be used.

ZZ Mutually Defined, e.g.

NOTE!!! SSS02 (pre < 003040) equates to SAC03 in 004010.

Refer to 004010 Data Element Dictionary for acceptable code values.

Segment: **CSH** Sales Requirements
Position: 122
Loop: SAC Optional
Level: Heading:
Usage: Optional
Max Use: 1
Purpose: To specify general conditions or requirements of the sale

Segment Example: CSH*SC

This is an optional segment that should only be used as an exception to the trading partner agreement terms.

- Syntax Notes:**
- 1 If CSH02 is present, then CSH03 is required.
 - 2 If either CSH06 or CSH07 is present, then the other is required.
 - 3 If either CSH09 or CSH10 is present, then the other is required.

- Semantic Notes:**
- 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.

Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
CSH01	563	Sales Requirement Code	O ID 1/2
		Code to identify a specific requirement or agreement of sale	
		Suggested code for the Aftermarket usage. Any ASC X12 approved code may be used.	
		BK Ship Partial - Balance Back Order	
		N No Back order	
		SC Ship Complete	
		SP Ship Partial, Balance Cancel	
		Y Back Order if Out of Stock	
		Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **DTM** Date/Time Reference
Position: 150
Loop:
Level: Heading:
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times

Segment Example: DTM*071*950915*1100*CD*19^
 This is an optional segment.

- Syntax Notes:**
- 1 At least one of DTM02 DTM03 or DTM05 is required.
 - 2 If DTM04 is present, then DTM03 is required.
 - 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>> DTM01	374	Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		Suggested codes for the Aftermarket usage. Any ASC X12 approved code may be used. e.g.:	
		001 Cancel After	
		010 Requested Ship	
		071 Requested for Delivery (After and Including)	
		074 Requested for Delivery (Prior to and including)	
		077 Requested for Delivery (Week of)	
		081 Requested for Shipment (After and Including)	
		084 Requested for Shipment (Prior to and Including)	
		087 Requested for Shipment (Week of)	
		106 Required By	
		112 Buyers Dock	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
DTM02	373	Date	X DT 8/8
		Date expressed as CCYYMMDD	
		NOTE!!! Date is 8 positions (CCYYMMDD).	
DTM03	337	Time	X TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
		Note that time has increased from 6 to 8 chars.	
DTM04	623	Time Code	O ID 2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

[Suggested codes for Aftermarket usage.](#) Any ASC X12 code may be used.

- CD Central Daylight Time
- CS Central Standard Time
- CT Central Time
- ED Eastern Daylight Time
- ES Eastern Standard Time
- MD Mountain Daylight Time
- MS Mountain Standard Time
- MT Mountain Time
- PD Pacific Daylight Time
- PS Pacific Standard Time
- PT Pacific Time

Refer to 004010 Data Element Dictionary for acceptable code values.

DTM05 1250 Date Time Period Format Qualifier X ID 2/3

Code indicating the date format, time format, or date and time format

NOTE !!! DTM05 in 003030 used this field as the "CENTURY - 624" field which is 2/2. In 004010, this is the DATE TIME PERIOD FORMAT QUALIFIER field and the code is 2/3.

Refer to 004010 Data Element Dictionary for acceptable code values.

DTM06 1251 Date Time Period X AN 1/35

Expression of a date, a time, or range of dates, times or dates and times

NOTE!!! A decision has to be made about this and DTM05!!!

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)
Position: 240
Loop:
Level: Heading:
Usage: Optional
Max Use: 12
Purpose: To specify the carrier and sequence of routing and provide transit time information

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.

- Syntax Notes:**
- 1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.
 - 2 If TD502 is present, then TD503 is required.
 - 3 If TD507 is present, then TD508 is required.
 - 4 If TD510 is present, then TD511 is required.
 - 5 If TD513 is present, then TD512 is required.
 - 6 If TD514 is present, then TD513 is required.
 - 7 If TD515 is present, then TD512 is required.

Semantic Notes: 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.

Notes: Segment Example: TD5**2*YFSY*M*ROUTING*****CD*2^
This is an optional segment that should be avoided if "best way" is desired.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
TD502	66	Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		Suggested code for aftermarket usage. Any ASC X12 approved code may be used.	
		2 Standard Carrier Alpha Code (SCAC)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
TD503	67	Identification Code	X AN 2/80
		Code identifying a party or other code	
		NOTE!!! This field has been expanded from 2/17 to 2/80.	
TD504	91	Transportation Method/Type Code	X ID 1/2
		Code specifying the method or type of transportation for the shipment	
		Suggested codes for aftermarket usage. Any ASC X12 approved code may be used.	

- A Air
- AE Air Express
- D Parcel Post
- H Customer Pickup
- M Motor (Common Carrier)
- R Rail
- S Ocean
- U Private Parcel Service

Refer to 004010 Data Element Dictionary for acceptable code values.

TD505 387 Routing X AN 1/35

Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

TD510 732 Transit Time Direction Qualifier O ID 2/2

Code specifying the value of time used to measure the transit time

[Suggested codes for Aftermarket usage](#). Any ASC X12 approved code may be used.

- AA Air Hours
- AD Air Days
- CD Calendar Days (Includes weekends and Holidays)
- SD Surface Days
- SH Surface Hours
- WD Working Days (Excludes weekends and Holidays)

Refer to 004010 Data Element Dictionary for acceptable code values.

TD511 733 Transit Time X R 1/4

The numeric amount of transit time

Segment: **N1** Name
Position: 310
Loop: N1 Optional
Level: Heading:
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code

Syntax Notes:

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

Semantic Notes:

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.

Notes: Segment Example: N1*ST*92*H98111A1^
 This segment is optional.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>> N101	98	Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual. Suggested codes for Aftermarket usage.	
		Any ASC X12 approved code may be used. For EXPORT , the following codes are suggested:	
		AG Agent	
		CB Customs Party (Purchaser)	
		CS Contractor	
		FW Forwarder	
		---- other ----	
		BT Party to be Billed for Other Than Freight (BILL TO)	
		BY Buying Party (Purchaser)	
		EN End User	
		ST Ship To	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
N103	66	Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		Suggested codes for Aftermarket usage. Any ASC X12 approved Code may be used.	
		1 D-U-N-S Number, Dun & Bradstreet	
		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	

Refer to 004010 Data Element Dictionary for acceptable code values.

N104 **67** **Identification Code** **X** **AN 2/80**
Code identifying a party or other code

Segment: **N3** Address Information
Position: 330
Loop: N1 Optional
Level: Heading:
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party

Segment Example: N3*DEPARTMENT M15*6565 WELLS AVENUE^
 This segment is optional and should be avoided if the address of the shipment is known to the seller.

Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>> N301	166	Address Information	M AN 1/55
		Address information	
		Note!!! increased from 1/35 to 1/55.	
N302	166	Address Information	O AN 1/55
		Address information	
		Note!!! Increased from 1/35 to 1/55.	

Segment: **N4 Geographic Location**
Position: 340
Loop: N1 Optional
Level: Heading:
Usage: Optional
Max Use: >1
Purpose: To specify the geographic place of the named party

Syntax Notes: 1 If N406 is present, then N405 is required.

Semantic Notes:

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.

Notes: Segment example: N4*STE GENEVIEVE*MO*636951465*USA^
 This is an optional segment that should be avoided if the address of the shipment is known to the seller.

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
N401	19 City Name Free-form text for city name	O AN 2/30
N402	156 State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116 Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States) Note!!! Changed from 3/9 to 3/15	O ID 3/15
N404	26 Country Code Code identifying the country	O ID 2/3

Segment: **PO1** **Baseline Item Data**

Position: 010

Loop: PO1 Mandatory

Level: Detail:

Usage: Mandatory

Max Use: 1

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

Syntax Notes:

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

Semantic Notes:

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.

Notes: Segment Example: PO1*1*3*EA***BP*K6200^

Data Element Summary

Ref.	Data	Attributes
<u>Des.</u>	<u>Element</u> <u>Name</u>	<u>Attributes</u>
PO101	350 Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set <i>Note!!! Changed from 1/11 to 1/20.</i>	O AN 1/20
PO102	330 Quantity Ordered Quantity ordered <i>Note!!! Changed from 1/9 to 1/15.</i>	X R 1/15
PO103	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <i>Suggested codes for Aftermarket usage.</i> Any ASC X12 approved code may be used. <i>CA</i> Case <i>EA</i> Each <i>FT</i> Foot <i>MR</i> Meter	O ID 2/2

- P4 Four-Pack
- P6 Six-Pack
- P8 Eight-Pack

Refer to 004010 Data Element Dictionary for acceptable code values.

PO104 212 Unit Price X R 1/17

Price per unit of product, service, commodity, etc.

PO105 639 Basis of Unit Price Code O ID 2/2

Code identifying the type of unit price for an item

Suggested codes for Aftermarket usage. Any ASC X12 approved code may be used.

- CA Catalog
- CT Contract
- NT Net - Indicates a net unit price
- PR Promotion

Refer to 004010 Data Element Dictionary for acceptable code values.

PO106 235 Product/Service ID Qualifier X ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Suggested codes fro Aftermarket usage. Any ASC X12 approved code may be used.

- BL Brand/Label
- BP Buyer's Part Number
- MF Manufacturer
- MG Manufacturer's Part Number
- UP U.P.C. Consumer Package Code (1-5-5-1)
- VN Vendor's (Seller's) Item Number
- VP Vendor's (Seller's) Part Number

Refer to 004010 Data Element Dictionary for acceptable code values.

PO107 234 Product/Service ID X AN 1/48

Identifying number for a product or service

Note!!! Increased from 1/30 to 1/48

Segment: **CTT Transaction Totals**

Position: 010

Loop: CTT Optional

Level: Summary:

Usage: Optional

Max Use: 1

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

Syntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.

2 If either CTT05 or CTT06 is present, then the other is required.

Semantic Notes:

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

Notes: Segment Example: CTT*1*3^

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
>> CTT01	354 Number of Line Items	M N0 1/6
	Total number of line items in the transaction set	
CTT02	347 Hash Total	O R 1/10
	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.	

Segment: **SE** Transaction Set Trailer
Position: 030
Loop:
Level: Summary:
Usage: Mandatory
Max Use: 1
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)

Syntax Notes:
Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.
Notes: Segment Example: SE*16*121653^

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments M N0 1/10
>>	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set M AN 4/9