

# 850 Purchase Order

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.

## Notes:

*This document defines the business requirements for the AAFES Catalog Drop Ship Purchase Order. All segments marked "RECOMMENDED", and elements marked "R", are required by AAFES and will always be transmitted in the AAFES catalog purchase order unless noted in the segment definition. All elements marked "M" are mandatory by the standards. All unmarked segments and elements will be transmitted as necessary in their respective segments.*

## Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
6	0100	ST	Transaction Set Header	M	1		
7	0200	BEG	Beginning Segment for Purchase Order	M	1		
Not Used	0400	CUR	Currency	O	1		
8	0500	REF	Reference Identification	O	>1		
9	0600	PER	Administrative Communications Contact	O	3		
Not Used	0700	TAX	Tax Reference	O	>1		
10	0800	FOB	F.O.B. Related Instructions	O	>1		
Not Used	0900	CTP	Pricing Information	O	>1		
Not Used	0950	PAM	Period Amount	O	10		
11	1100	CSH	Sales Requirements	O	5		
Not Used	1150	TC2	Commodity	O	>1		
LOOP ID - SAC						25	
Not Used	1200	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
Not Used	1250	CUR	Currency	O	1		
Not Used	1300	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
Not Used	1400	DIS	Discount Detail	O	20		
Not Used	1450	INC	Installment Information	O	1		
Not Used	1500	DTM	Date/Time Reference	O	10		
Not Used	1800	LIN	Item Identification	O	5		n1
Not Used	1850	SI	Service Characteristic Identification	O	>1		
Not Used	1900	PID	Product/Item Description	O	200		
Not Used	2000	MEA	Measurements	O	40		
Not Used	2100	PWK	Paperwork	O	25		
Not Used	2200	PKG	Marking, Packaging, Loading	O	200		
Not Used	2300	TD1	Carrier Details (Quantity and Weight)	O	2		
12	2400	TD5	Carrier Details (Routing Sequence/Transit Time)	O	>1		
Not Used	2500	TD3	Carrier Details (Equipment)	O	12		
Not Used	2600	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
Not Used	2700	MAN	Marks and Numbers	O	10		
Not Used	2760	PCT	Percent Amounts	O	>1		
Not Used	2800	CTB	Restrictions/Conditions	O	5		
Not Used	2850	TXI	Tax Information	O	>1		

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			<b>LOOP ID - LDT</b>		<b>&gt;1</b>
Not Used	2855	LDT	Lead Time	O	1
Not Used	2858	QTY	Quantity	O	>1
Not Used	2860	MTX	Text	O	>1
Not Used	2865	REF	Reference Identification	O	>1
			<b>LOOP ID - AMT</b>		<b>&gt;1</b>
Not Used	2870	AMT	Monetary Amount	O	1
Not Used	2890	REF	Reference Identification	O	>1
Not Used	2900	DTM	Date/Time Reference	O	1
Not Used	2920	PCT	Percent Amounts	O	>1
			<b>LOOP ID - FA1</b>		<b>&gt;1</b>
Not Used	2930	FA1	Type of Financial Accounting Data	O	1
Not Used	2940	FA2	Accounting Data	M	>1
			<b>LOOP ID - N9</b>		<b>1000</b>
13	2950	N9	Reference Identification	O	1
Not Used	2970	DTM	Date/Time Reference	O	>1
14	3000	MTX	Text	O	>1
Not Used	3050	PWK	Paperwork	O	>1
Not Used	3080	EFI	Electronic Format Identification	O	>1
			<b>LOOP ID - N1</b>		<b>200</b>
15	3100	N1	Name	O	1
16	3200	N2	Additional Name Information	O	2
Not Used	3250	IN2	Individual Name Structure Components	O	>1
17	3300	N3	Address Information	O	2
18	3400	N4	Geographic Location	O	>1
Not Used	3450	NX2	Location ID Component	O	>1
Not Used	3500	REF	Reference Identification	O	12
Not Used	3600	PER	Administrative Communications Contact	O	>1
Not Used	3650	SI	Service Characteristic Identification	O	>1
Not Used	3700	FOB	F.O.B. Related Instructions	O	1
Not Used	3800	TD1	Carrier Details (Quantity and Weight)	O	2
Not Used	3900	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	4000	TD3	Carrier Details (Equipment)	O	12
Not Used	4100	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	4200	PKG	Marking, Packaging, Loading	O	200
			<b>LOOP ID - LM</b>		<b>&gt;1</b>
Not Used	4300	LM	Code Source Information	O	1
Not Used	4400	LQ	Industry Code	M	>1
			<b>LOOP ID - SPI</b>		<b>&gt;1</b>
Not Used	4500	SPI	Specification Identifier	O	1
Not Used	4600	REF	Reference Identification	O	5
Not Used	4700	DTM	Date/Time Reference	O	5
Not Used	4800	MTX	Text	O	>1
			<b>LOOP ID - N1</b>		<b>20</b>
Not Used	4900	N1	Name	O	1
Not Used	5000	N2	Additional Name Information	O	2
Not Used	5100	N3	Address Information	O	2
Not Used	5200	N4	Geographic Location	O	1
Not Used	5300	REF	Reference Identification	O	20
Not Used	5400	G61	Contact	O	1
Not Used	5500	MTX	Text	O	>1
			<b>LOOP ID - CB1</b>		<b>&gt;1</b>
Not Used	5600	CB1	Contract and Cost Accounting Standards Data	O	1
Not Used	5700	REF	Reference Identification	O	20
Not Used	5800	DTM	Date/Time Reference	O	5
Not Used	5900	LDT	Lead Time	O	1
Not Used	6000	MTX	Text	O	>1

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LOOP ID - ADV			>1		
Not Used	6100	ADV	Advertising Demographic Information	O	1
Not Used	6200	DTM	Date/Time Reference	O	>1
Not Used	6300	MTX	Text	O	>1

**Detail:**

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
LOOP ID - PO1						100000	
19	0100	PO1	Baseline Item Data	M	1		n2
Not Used	0150	LIN	Item Identification	O	>1		
Not Used	0180	SI	Service Characteristic Identification	O	>1		
Not Used	0200	CUR	Currency	O	1		
Not Used	0250	CN1	Contract Information	O	1		
21	0300	PO3	Additional Item Detail	O	25		
LOOP ID - CTP						>1	
Not Used	0400	CTP	Pricing Information	O	1		
Not Used	0430	CUR	Currency	O	1		
Not Used	0450	PAM	Period Amount	O	10		
Not Used	0490	MEA	Measurements	O	40		
LOOP ID - PID						1000	
22	0500	PID	Product/Item Description	O	1		
Not Used	0600	MEA	Measurements	O	10		
Not Used	0700	PWK	Paperwork	O	25		
Not Used	0900	PO4	Item Physical Details	O	>1		
Not Used	1000	REF	Reference Identification	O	>1		
Not Used	1100	PER	Administrative Communications Contact	O	3		
LOOP ID - SAC						25	
Not Used	1300	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
Not Used	1350	CUR	Currency	O	1		
Not Used	1370	CTP	Pricing Information	O	1		
Not Used	1400	IT8	Conditions of Sale	O	1		
Not Used	1420	CSH	Sales Requirements	O	>1		
Not Used	1500	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
Not Used	1600	DIS	Discount Detail	O	20		
Not Used	1650	INC	Installment Information	O	1		
Not Used	1700	TAX	Tax Reference	O	>1		
Not Used	1800	FOB	F.O.B. Related Instructions	O	>1		
Not Used	1900	SDQ	Destination Quantity	O	500		
Not Used	2000	IT3	Additional Item Data	O	5		
Not Used	2100	DTM	Date/Time Reference	O	10		
Not Used	2350	TC2	Commodity	O	>1		
Not Used	2400	TD1	Carrier Details (Quantity and Weight)	O	1		
Not Used	2500	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	2600	TD3	Carrier Details (Equipment)	O	12		
Not Used	2700	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
Not Used	2760	PCT	Percent Amounts	O	>1		
Not Used	2800	MAN	Marks and Numbers	O	10		
Not Used	2890	MTX	Text	O	>1		
Not Used	2900	SPI	Specification Identifier	O	>1		
Not Used	2910	TXI	Tax Information	O	>1		
Not Used	2920	CTB	Restrictions/Conditions	O	>1		
LOOP ID - QTY						>1	
Not Used	2930	QTY	Quantity	O	1		
Not Used	2940	SI	Service Characteristic Identification	O	>1		
LOOP ID - SCH						200	

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Not Used	2950	SCH	Line Item Schedule	O	1	n3
Not Used	2960	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	2970	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	2980	TD3	Carrier Details (Equipment)	O	12	
Not Used	2990	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	3000	REF	Reference Identification	O	>1	
<b>LOOP ID - PKG</b>					<b>200</b>	
Not Used	3050	PKG	Marking, Packaging, Loading	O	1	
Not Used	3100	MEA	Measurements	O	>1	
Not Used	3200	LS	Loop Header	O	1	
<b>LOOP ID - LDT</b>					<b>&gt;1</b>	
Not Used	3210	LDT	Lead Time	O	1	
Not Used	3220	QTY	Quantity	O	>1	
Not Used	3230	MTX	Text	O	>1	
Not Used	3240	REF	Reference Identification	O	3	
<b>LOOP ID - LM</b>					<b>&gt;1</b>	
Not Used	3250	LM	Code Source Information	O	1	
Not Used	3260	LQ	Industry Code	M	>1	
Not Used	3270	LE	Loop Trailer	O	1	
<b>LOOP ID - N9</b>					<b>1000</b>	
Not Used	3300	N9	Reference Identification	O	1	
Not Used	3320	DTM	Date/Time Reference	O	>1	
Not Used	3350	MEA	Measurements	O	40	
Not Used	3400	MTX	Text	O	>1	
Not Used	3450	PWK	Paperwork	O	>1	
Not Used	3480	EFI	Electronic Format Identification	O	>1	
<b>LOOP ID - N1</b>					<b>200</b>	
Not Used	3500	N1	Name	O	1	
Not Used	3600	N2	Additional Name Information	O	2	
Not Used	3650	IN2	Individual Name Structure Components	O	>1	
Not Used	3700	N3	Address Information	O	2	
Not Used	3800	N4	Geographic Location	O	1	
Not Used	3830	QTY	Quantity	O	>1	
Not Used	3850	NX2	Location ID Component	O	>1	
Not Used	3900	REF	Reference Identification	O	12	
Not Used	4000	PER	Administrative Communications Contact	O	3	
Not Used	4050	SI	Service Characteristic Identification	O	>1	
Not Used	4060	DTM	Date/Time Reference	O	1	
Not Used	4100	FOB	F.O.B. Related Instructions	O	1	
Not Used	4150	SCH	Line Item Schedule	O	200	
Not Used	4200	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	4300	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	4400	TD3	Carrier Details (Equipment)	O	12	
Not Used	4500	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	4600	PKG	Marking, Packaging, Loading	O	200	
<b>LOOP ID - LDT</b>					<b>&gt;1</b>	
Not Used	4620	LDT	Lead Time	O	1	
Not Used	4640	MAN	Marks and Numbers	O	10	
Not Used	4660	QTY	Quantity	O	5	
Not Used	4680	MTX	Text	O	>1	
Not Used	4690	REF	Reference Identification	O	3	
<b>LOOP ID - SLN</b>					<b>1000</b>	
Not Used	4700	SLN	Subline Item Detail	O	1	
Not Used	4750	MTX	Text	O	>1	
Not Used	4800	SI	Service Characteristic Identification	O	>1	
Not Used	4900	PID	Product/Item Description	O	1000	

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Not Used	5000	PO3	Additional Item Detail	O	104
Not Used	5050	TC2	Commodity	O	>1
Not Used	5130	ADV	Advertising Demographic Information	O	>1
Not Used	5150	DTM	Date/Time Reference	O	10
Not Used	5160	CTP	Pricing Information	O	25
Not Used	5170	PAM	Period Amount	O	10
Not Used	5180	PO4	Item Physical Details	O	1
Not Used	5190	TAX	Tax Reference	O	3
<b>LOOP ID - N9</b>					<b>&gt;1</b>
Not Used	5230	N9	Reference Identification	O	1
Not Used	5240	DTM	Date/Time Reference	O	>1
Not Used	5250	MTX	Text	O	>1
<b>LOOP ID - SAC</b>					<b>25</b>
Not Used	5260	SAC	Service, Promotion, Allowance, or Charge Information	O	1
Not Used	5270	CUR	Currency	O	1
Not Used	5280	CTP	Pricing Information	O	1
<b>LOOP ID - QTY</b>					<b>&gt;1</b>
Not Used	5290	QTY	Quantity	O	1
Not Used	5300	SI	Service Characteristic Identification	O	>1
<b>LOOP ID - N1</b>					<b>10</b>
Not Used	5350	N1	Name	O	1
Not Used	5400	N2	Additional Name Information	O	2
Not Used	5450	IN2	Individual Name Structure Components	O	>1
Not Used	5500	N3	Address Information	O	2
Not Used	5600	N4	Geographic Location	O	1
Not Used	5700	NX2	Location ID Component	O	>1
Not Used	5800	REF	Reference Identification	O	12
Not Used	5900	PER	Administrative Communications Contact	O	3
Not Used	5950	SI	Service Characteristic Identification	O	>1
<b>LOOP ID - AMT</b>					<b>&gt;1</b>
Not Used	6000	AMT	Monetary Amount	O	1
Not Used	6100	REF	Reference Identification	O	1
Not Used	6120	PCT	Percent Amounts	O	>1
<b>LOOP ID - LM</b>					<b>&gt;1</b>
Not Used	6200	LM	Code Source Information	O	1
Not Used	6300	LQ	Industry Code	M	>1

**Summary:**

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
<b>LOOP ID - CTT</b>							<b>1</b>
23	0100	CTT	Transaction Totals	O	1		n4
Not Used	0200	AMT	Monetary Amount	O	1		n5
24	0300	SE	Transaction Set Trailer	M	1		

**Transaction Set Notes**

1. If segment LIN is used, do not use LIN01.
2. PO102 is required.
3. 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.
4. 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.
5. If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

**Segment:** **ST** **Transaction Set Header**  
**Position:** 0100  
**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) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
- 2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.

**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
M	ST01	143 <b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 850 Purchase Order	M 1 ID 3/3
M	ST02	329 <b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M 1 AN 4/9

**Segment:** **BEG** Beginning Segment for Purchase Order  
**Position:** 0200  
**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**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	BEG01	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set 00 Original <i>This value will be transmitted on all production purchase orders.</i> 06 Confirmation <i>This value will be transmitted on all startup parallel test purchase orders.</i>	M 1 ID 2/2
M	BEG02	92	<b>Purchase Order Type Code</b> Code specifying the type of Purchase Order RL Release or Delivery Order An order for goods and services placed against a pre-existing contract or blanket order	M 1 ID 2/2
M	BEG03	324	<b>Purchase Order Number</b> Identifying number for Purchase Order assigned by the orderer/purchaser	M 1 AN 1/22
M	BEG05	373	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	M 1 DT 8/8
	BEG06	367	<b>Contract Number</b> Contract number	O 1 AN 1/30

**Segment:** **REF** Reference Identification  
**Position:** 0500  
**Loop:**  
**Level:** Heading  
**Usage:** Optional (Recommended)  
**Max Use:** >1  
**Purpose:** To specify identifying information  
**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**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification CR Customer Reference Number	M 1 ID 2/3
R	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <i>Catalog ticket number</i>	X 1 AN 1/50

**Segment:** **PER** Administrative Communications Contact  
**Position:** 0600  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:** 1 If either PER03 or PER04 is present, then the other is required.  
 2 If either PER05 or PER06 is present, then the other is required.  
 3 If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

*The PER segment will be transmitted if customer information is available. This segment may contain one or both telephone numbers.*

**Data Element Summary**

M	Ref.	Data	Attributes	
	Des.	Element	Name	
	PER01	366	<b>Contact Function Code</b>	M 1 ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
			DC Delivery Contact	
			OC Order Contact	
	PER02	93	<b>Name</b>	O 1 AN 1/60
			Free-form name	
	PER03	365	<b>Communication Number Qualifier</b>	X 1 ID 2/2
			Code identifying the type of communication number	
			HP Home Phone Number	
	PER04	364	<b>Communication Number</b>	X 1 AN 1/256
			Complete communications number including country or area code when applicable	
	PER05	365	<b>Communication Number Qualifier</b>	X 1 ID 2/2
			Code identifying the type of communication number	
			WP Work Phone Number	
	PER06	364	<b>Communication Number</b>	X 1 AN 1/256
			Complete communications number including country or area code when applicable	

**Segment:** **FOB** F.O.B. Related Instructions  
**Position:** 0800  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify transportation instructions relating to shipment  
**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**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	FOB01	146	<b>Shipment Method of Payment</b> Code identifying payment terms for transportation charges PP Prepaid (by Seller)	M 1 ID 2/2
R	FOB02	309	<b>Location Qualifier</b> Code identifying type of location DE Destination (Shipping) OR Origin (Shipping Point)	X 1 ID 1/2

**Segment:** **CSH** Sales Requirements  
**Position:** 1100  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 5  
**Purpose:** To specify general conditions or requirements of the sale  
**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>
R	<u>Des.</u> CSH01	<u>Element</u> 563 Sales Requirement Code Code to identify a specific requirement or agreement of sale Y Back Order if Out of Stock	O 1 ID 1/2

**Segment:** **TD5** Carrier Details (Routing Sequence/Transit Time)  
**Position:** 2400  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify the carrier and sequence of routing and provide transit time information  
**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.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
R	<u>Des.</u> TD505	<u>Element</u> 387 <u>Routing</u>	X 1 AN 1/35 Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

**Segment:** **N9 Reference Identification**  
**Position:** 2950  
**Loop:** N9 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier  
**Syntax Notes:**

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

**Comments:**

**Notes:** *The N9 segment will be transmitted if the MTX segment contains a message or monogram information.*

**Data Element Summary**

Ref.	Data Element	Name	Attributes	
			M	1
M	N901	Reference Identification Qualifier Code qualifying the Reference Identification ZZ Mutually Defined	M	1 ID 2/3
	N902	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	1 AN 1/50

*Msg/Monogram*

**Segment:** **MTX** Text  
**Position:** 3000  
**Loop:** N9 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify textual data  
**Syntax Notes:**

- 1 If MTX01 is present, then MTX02 is required.
- 2 If MTX03 is present, then MTX02 is required.
- 3 If MTX05 is present, then MTX04 is required.

**Semantic Notes:**

- 1 MTX05 is the number of lines to advance before printing.

**Comments:**

- 1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

**Notes:** *The MTX segment will contain any message's to be sent or monogram information.*

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
MTX02	1551	Message Text To transmit large volumes of message text	X 1 AN 1/4096

- Segment:** **N1** Name  
**Position:** 3100  
**Loop:** N1 Optional (Recommended)  
**Level:** Heading  
**Usage:** Optional (Recommended)  
**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.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual BT Bill-to-Party RT Returned to ST Location to which goods have or will be returned Ship To <i>When used the N103 and N104 are NOT REQUIRED.</i> VN Vendor <i>When used, the N1 segment will be transmitted without corresponding N2, N3, and N4.</i>	M 1 ID 2/3
R	N102	93	<b>Name</b> Free-form name	X 1 AN 1/60
R	N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	X 1 ID 1/2
R	N104	67	<b>Identification Code</b> Code identifying a party or other code	X 1 AN 2/80

**Segment:** **N2 Additional Name Information**  
**Position:** 3200  
**Loop:** N1 Optional (Recommended)  
**Level:** Heading  
**Usage:** Optional (Recommended)  
**Max Use:** 2  
**Purpose:** To specify additional names  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N201	93	Name Free-form name	M 1 AN 1/60

**Segment:** **N3** Address Information  
**Position:** 3300  
**Loop:** N1 Optional (Recommended)  
**Level:** Heading  
**Usage:** Optional (Recommended)  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** *This segment may repeat a maximum of two times to contain all address information.*

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element Name</u>		<u>Attributes</u>	
		<u>166</u>			
M	N301	166	<b>Address Information</b> Address information	M	1 AN 1/55
	N302	166	<b>Address Information</b> Address information	O	1 AN 1/55

**Segment:** **N4 Geographic Location**  
**Position:** 3400  
**Loop:** N1 Optional (Recommended)  
**Level:** Heading  
**Usage:** Optional (Recommended)  
**Max Use:** >1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:**

- 1 Only one of N402 or N407 may be present.
- 2 If N406 is present, then N405 is required.
- 3 If N407 is present, then N404 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.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>N401</b>	<b>19</b>	<b>City Name</b> Free-form text for city name	<b>O 1 AN 2/30</b>
<b>N402</b>	<b>156</b>	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	<b>X 1 ID 2/2</b>
<b>N403</b>	<b>116</b>	<b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	<b>O 1 ID 3/15</b>
<b>N404</b>	<b>26</b>	<b>Country Code</b> Code identifying the country	<b>X 1 ID 2/3</b>

**Segment:** **PO1** **Baseline Item Data**  
**Position:** 0100  
**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.

**Data Element Summary**

Ref.	Data Element	Name	Attributes
R	PO101	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set <i>This element will contain the purchase order item line number.</i>	O 1 AN 1/20
R	PO102	<b>Quantity Ordered</b> Quantity ordered	X 1 R 1/15
R	PO103	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004030 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
R	PO104	<b>Unit Price</b> Price per unit of product, service, commodity, etc.	X 1 R 1/17
R	PO105	<b>Basis of Unit Price Code</b> Code identifying the type of unit price for an item WH Wholesale	O 1 ID 2/2
R	PO106	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) UP UCC - 12 Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)	X 1 ID 2/2
R	PO107	<b>Product/Service ID</b> Identifying number for a product or service	X 1 AN 1/48
	PO108	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) PI Purchaser's Item Code	X 1 ID 2/2
	PO109	<b>Product/Service ID</b> Identifying number for a product or service	X 1 AN 1/48
	PO110	<b>Product/Service ID Qualifier</b>	X 1 ID 2/2

			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
			VA Vendor's Style Number			
	<b>PO111</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
<b>R</b>	<b>PO112</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	<b>X</b>	<b>1</b>	<b>ID 2/2</b>
			CB Buyer's Catalog Number			
<b>R</b>	<b>PO113</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
	<b>PO114</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	<b>X</b>	<b>1</b>	<b>ID 2/2</b>
			IB International Standard Book Number (ISBN)			
	<b>PO115</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
	<b>PO116</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	<b>X</b>	<b>1</b>	<b>ID 2/2</b>
			U2 U.P.C. Shipping Container Code (1-2-5-5) A 13-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, and the remaining five digits are the item code			
	<b>PO117</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>X</b>	<b>1</b>	<b>AN 1/48</b>
	<b>PO118</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	<b>X</b>	<b>1</b>	<b>ID 2/2</b>
			EN EAN/UCC - 13 Data structure for the 13 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)			
	<b>PO119</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>X</b>	<b>1</b>	<b>AN 1/48</b>

**Segment:** **PO3 Additional Item Detail**

**Position:** 0300

**Loop:** PO1 Mandatory

**Level:** Detail

**Usage:** Optional (Recommended)

**Max Use:** 25

**Purpose:** To specify additional item-related data involving variations in normal price/quantity structure

**Syntax Notes:** 1 If PO304 is present, then at least one of PO303 or PO305 is required.

**Semantic Notes:**

- Comments:**
- 1 Some examples of price/quantity variations are: price in different units from the PO1 segment, price changes by date, or price changes by quantity (break and level).
  - 2 PO307 defines the unit of measure for PO306.

**Notes:** *The PO3 segment will be used to transmit the sell price.*

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	PO301	371	<b>Change Reason Code</b> Code specifying the reason for price or quantity change UP Unit Price	M 1 ID 2/2
R	PO303	236	<b>Price Identifier Code</b> Code identifying pricing specification RES Resale	X 1 ID 3/3
R	PO304	212	<b>Unit Price</b> Price per unit of product, service, commodity, etc.	O 1 R 1/17
M	PO306	380	<b>Quantity</b> Numeric value of quantity	M 1 R 1/15
M	PO307	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M 1 ID 2/2

<b>Segment:</b>	<b>PID</b> <b>Product/Item Description</b>
<b>Position:</b>	0500
<b>Loop:</b>	PID Optional (Recommended)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Recommended)
<b>Max Use:</b>	1
<b>Purpose:</b>	To describe a product or process in coded or free-form format
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If PID04 is present, then PID03 is required.</li> <li>2 At least one of PID04 or PID05 is required.</li> <li>3 If PID07 is present, then PID03 is required.</li> <li>4 If PID08 is present, then PID04 is required.</li> <li>5 If PID09 is present, then PID05 is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 Use PID03 to indicate the organization that publishes the code list being referred to.</li> <li>2 PID04 should be used for industry-specific product description codes.</li> <li>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.</li> <li>4 PID09 is used to identify the language being used in PID05.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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.</li> <li>2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.</li> <li>3 PID07 specifies the individual code list of the agency specified in PID03.</li> </ol>
<b>Notes:</b>	<i>AAFES max use is thirty.</i>

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b><u>Des.</u></b>	<b><u>Element</u> <b><u>Name</u></b></b>	
<b>M</b>	<b>PID01</b> 349 <b>Item Description Type</b> Code indicating the format of a description F Free-form	<b>M 1 ID 1/1</b>
<b>R</b>	<b>PID05</b> 352 <b>Description</b> A free-form description to clarify the related data elements and their content	<b>X 1 AN 1/80</b>

**Segment:** **CTT Transaction Totals**  
**Position:** 0100  
**Loop:** CTT Optional (Recommended)  
**Level:** Summary  
**Usage:** Optional (Recommended)  
**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.

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	CTT01	354	<b>Number of Line Items</b> Total number of line items in the transaction set	M 1 N0 1/6
	CTT03	81	<b>Weight</b> Numeric value of weight	X 1 R 1/10
	CTT04	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X 1 ID 2/2

**Segment:** **SE** Transaction Set Trailer  
**Position:** 0300  
**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.

**Data Element Summary**

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