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:

REV2 does not contain a free-from description of the items (PID Segment).
This document defines the business requirements for the AAFES Purchase Order (REV 2). All segments marked "RECOMMENDED", and elements marked "R" are required by AAFES and will always be transmitted in the AAFES 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
3	0100	ST	Transaction Set Header	M	1		
4	0200	BEG	Beginning Segment for Purchase Order	M	1		
5	0400	CUR	Currency	O	1		
6	0600	PER	Administrative Communications Contact	O	3		
7	0800	FOB	F.O.B. Related Instructions	O	>1		
8	1100	CSH	Sales Requirements	O	5		
			LOOP ID - SAC			25	
9	1200	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
11	1300	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
12	1500	DTM	Date/Time Reference	O	10		
13	2200	PKG	Marking, Packaging, Loading	O	200		
14	2300	TD1	Carrier Details (Quantity and Weight)	O	2		
15	2400	TD5	Carrier Details (Routing Sequence/Transit Time)	O	>1		
			LOOP ID - N9			1000	
17	2950	N9	Reference Identification	O	1		
18	3000	MTX	Text	O	>1		
			LOOP ID - N1			200	
19	3100	N1	Name	O	1		
20	3200	N2	Additional Name Information	O	2		
21	3300	N3	Address Information	O	2		
22	3400	N4	Geographic Location	O	>1		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PO1			100000	
23	0100	PO1	Baseline Item Data	M	1		n1

			LOOP ID - CTP			>1	
25	0400	CTP	Pricing Information	O	1		
26	0900	PO4	Item Physical Details	O	>1		
27	1900	SDQ	Destination Quantity	O	500		

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - CTT			1	
29	0100	CTT	Transaction Totals	O	1		n2
30	0300	SE	Transaction Set Trailer	M	1		

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:	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

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

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

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:

<div align="center">

Data Element Summary

</div>

	Ref. Des.	Data Element	Name		Attributes		
M	BEG01	353	**Transaction Set Purpose Code**		M	1	ID 2/2
			Code identifying purpose of transaction set				
			00	Original			
				This value will be transmitted on all production purchase orders.			
			06	Confirmation			
				This value will be transmitted on all parallel test purchase orders.			
			22	Information Copy			
M	BEG02	92	**Purchase Order Type Code**		M	1	ID 2/2
			Code specifying the type of Purchase Order				
			OS	Special Order			
			RE	Reorder			
			RL	Release or Delivery Order			
				An order for goods and services placed against a pre-existing contract or blanket order			
			SA	Stand-alone Order			
			SS	Supply or Service Order			
			ZZ	Mutually Defined			
				Used for Cross-Dock II suppliers by request			
M	BEG03	324	**Purchase Order Number**		M	1	AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser				
M	BEG05	373	**Date**		M	1	DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
	BEG06	367	**Contract Number**		O	1	AN 1/30
			Contract number				

Segment:	**CUR** Currency
Position:	0400
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To specify the currency (dollars, pounds, francs, etc.) used in a transaction
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:	**This segment is used only when other than U.S. dollars.**

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	CUR01	98	**Entity Identifier Code**	M	1	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual			
			SE Selling Party			
M	CUR02	100	**Currency Code**	M	1	ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified			
			Selling party currency.			

Segment:	**PER** Administrative Communications Contact				

Segment: PER Administrative Communications Contact
Position: 0600
Loop:
Level: Heading
Usage: Optional (Recommended)
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:

<div align="center">

Data Element Summary

</div>

	Ref. Des.	Data Element	Name	Attributes		
M	PER01	366	**Contact Function Code**	M	1	ID 2/2
			Code identifying the major duty or responsibility of the person or group named			
			BD Buyer Name or Department			
R	PER02	93	**Name**	O	1	AN 1/60
			Free-form name			
R	PER03	365	**Communication Number Qualifier**	X	1	ID 2/2
			Code identifying the type of communication number			
			TE Telephone			
R	PER04	364	**Communication Number**	X	1	AN 1/256
			Complete communications number including country or area code when applicable			

					Segment:	**FOB** F.O.B. Related Instructions

Segment: **FOB** F.O.B. Related Instructions
Position: 0800
Loop:
Level: Heading
Usage: Optional (Recommended)
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

	Ref. Des.	Data Element	Name		Attributes		
M	FOB01	146	**Shipment Method of Payment**		M	1	ID 2/2
			Code identifying payment terms for transportation charges				
			CC	Collect			
			PA	Advance Prepaid			
			PB	Customer Pick-up/Backhaul			
			PC	Prepaid but Charged to Customer			
			PP	Prepaid (by Seller)			
			TP	Third Party Pay			
R	FOB02	309	**Location Qualifier**		X	1	ID 1/2
			Code identifying type of location				
			CI	City			
			DE	Destination (Shipping)			
			FA	Factory			
			MI	Mill			
			OR	Origin (Shipping Point)			
			PL	Plant			
			RG	Region Code			
				Qualifies a code that identifies a geographic area where transportation rates apply			
			TL	Terminal Cargo Location			
R	FOB03	352	**Description**		O	1	AN 1/80
			A free-form description to clarify the related data elements and their content				
			This element will contain the shipping point.				

Segment:		**CSH** Sales Requirements		
Position:		1100		
Loop:				
Level:		Heading		
Usage:		Optional (Recommended)		
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

	Ref. Des.	Data Element	Name	Attributes
R	CSH01	563	**Sales Requirement Code**	O 1 ID 1/2
			Code to identify a specific requirement or agreement of sale	
			N No Back Order	
			Y Back Order if Out of Stock	

Segment:	**SAC** Service, Promotion, Allowance, or Charge Information					
Position:	1200					
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					

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 with SAC03 to further define 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.

Notes:	**AAFES max use is ten.**

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	SAC01	248	**Allowance or Charge Indicator**	M	1	ID 1/1
			Code which indicates an allowance or charge for the service specified			
			A	Allowance		
			C	Charge		
			N	No Allowance or Charge		
	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X	1	ID 4/4
			Code identifying the service, promotion, allowance, or charge			
			A260	Advertising Allowance		
			A630	Blocking and Bracing Charge		
			B190	Closing & Sealing		
			B320	Competitive Allowance		
			B560	Container Allowance		
			B570	Container Deposits		
			C000	Defective Allowance		
			C310	Discount		

C350	Distributor Discount/Allowance			
C540	Early Buy Allowance			
C560	Early Ship Allowance			
C680	Environmental Protection Service			
D240	Freight			
D530	Hazardous Cargo Charge			
E550	Market Development Funds			
E800	No Return Credit Allowance			
F170	Pallet Exchange Charge			
F190	Palletizing			
F340	Pick/Up			
F800	Promotional Allowance			
F910	Quantity Discount			
G170	Redistribution Allowance			
G360	Repack Charge			
G470	Restocking Charge			
G870	Shrink-Wrap Charge			
H000	Special Allowance			
H660	Tax - Federal Excise Tax, FET			
H770	Tax - State Tax			
H920	Temporary Allowance			
I170	Trade Discount			
I310	Truckload Discount			
I410	Unsaleable Merchandise Allowance			
I530	Volume Discount			

SAC12   331   Allowance or Charge Method of Handling Code   O   1 ID 2/2

Code indicating method of handling for an allowance or charge

01	Bill Back
02	Off Invoice
03	Vendor Check to Customer
04	Credit Customer Account
05	Charge to be Paid by Vendor
06	Charge to be Paid by Customer

| | | | | | Segment: | **ITD** Terms of Sale/Deferred Terms of Sale |

Segment: **ITD** Terms of Sale/Deferred Terms of Sale
Position: 1300
Loop:
Level: Heading
Usage: Optional (Recommended)
Max Use: >1
Purpose: To specify terms of sale
Syntax Notes:
    1   If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
    2   If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
    3   If ITD09 is present, then at least one of ITD10 or ITD11 is required.
Semantic Notes:
    1   ITD15 is the percentage applied to a base amount used to determine a late payment charge.
Comments:
    1   If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
R	ITD01	336	Terms Type Code	O	1	ID 2/2
			Code identifying type of payment terms			
			01 Basic			
			02 End of Month (EOM)			
			03 Fixed Date			
			04 Deferred or Installment			
			05 Discount Not Applicable			
			06 Mixed			
			07 Extended			
			08 Basic Discount Offered			
			09 Proximo			
			11 Elective			
			12 10 Days After End of Month (10 EOM)			
			14 Previously agreed upon			
	ITD03	338	Terms Discount Percent	O	1	R 1/6
			Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date			
	ITD04	370	Terms Discount Due Date	X	1	DT 8/8
			Date payment is due if discount is to be earned expressed in format CCYYMMDD where CC represents the first two digits of the calendar year			
	ITD05	351	Terms Discount Days Due	X	1	N0 1/3
			Number of days in the terms discount period by which payment is due if terms discount is earned			
	ITD06	446	Terms Net Due Date	O	1	DT 8/8
			Date when total invoice amount becomes due expressed in format CCYYMMDD where CC represents the first two digits of the calendar year			
	ITD07	386	Terms Net Days	O	1	N0 1/3
			Number of days until total invoice amount is due (discount not applicable)			
	ITD12	352	Description	O	1	AN 1/80
			A free-form description to clarify the related data elements and their content			

Segment:		**DTM** Date/Time Reference				
Position:		1500				
Loop:						
Level:		Heading				
Usage:		Optional (Recommended)				
Max Use:		10				
Purpose:		To specify pertinent dates and times				
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:
Notes: **AAFES max use is six.**

Code 002 and 010 will always be transmitted in the DTM01, code 023 will also be transmitted if a promotion order.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	DTM01	374	**Date/Time Qualifier**	M	1	ID 3/3
			Code specifying type of date or time, or both date and time			
			001 Cancel After			
			002 Delivery Requested			
			010 Requested Ship			
			015 Promotion Start			
			023 Promotion Order - Start			
			038 Ship No Later			
			077 Requested for Delivery (Week of)			
R	DTM02	373	**Date**	X	1	DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			

Segment:	**PKG** Marking, Packaging, Loading
Position:	2200
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	200
Purpose:	To describe marking, packaging, loading, and unloading requirements

Syntax Notes:
1. At least one of PKG04 PKG05 or PKG06 is required.
2. If PKG04 is present, then PKG03 is required.
3. If PKG05 is present, then PKG01 is required.

Semantic Notes:
1. PKG04 should be used for industry-specific packaging description codes.

Comments:
1. Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
2. If PKG01 equals "F", then PKG05 is used. If PKG01 equals "S", then PKG04 is used. If PKG01 equals "X", then both PKG04 and PKG05 are used.
3. Use PKG03 to indicate the organization that publishes the code list being referred to.
4. Special marking or tagging data can be given in PKG05 (description).

Notes: **The PKG segment will only be sent to transmit Military TCN markings for overseas shipments. AAFES max use is seven.**

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
PKG01	349	**Item Description Type**	X	1	ID 1/1
		Code indicating the format of a description			
		F　　　　　Free-form			
PKG02	753	**Packaging Characteristic Code**	O	1	ID 1/5
		Code specifying the marking, packaging, loading and related characteristics being described			
		10　　　　　Shipping Package Labeling			

Segment:	**TD1** Carrier Details (Quantity and Weight)
Position:	2300
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	2
Purpose:	To specify the transportation details relative to commodity, weight, and quantity
Syntax Notes:	1 If TD101 is present, then TD102 is required.
	2 If TD103 is present, then TD104 is required.
	3 If TD106 is present, then TD107 is required.
	4 If either TD107 or TD108 is present, then the other is required.
	5 If either TD109 or TD110 is present, then the other is required.
Semantic Notes:	
Comments:	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
TD103	23	**Commodity Code Qualifier**	O 1 ID 1/1
		Code identifying the commodity coding system used for Commodity Code	
		I Milstamp AITC or Water Commodity Code	
TD104	22	**Commodity Code**	X 1 AN 1/30
		Code describing a commodity or group of commodities	

Segment:		**TD5** Carrier Details (Routing Sequence/Transit Time)		

Position: 2400
Loop:
Level: Heading
Usage: Optional (Recommended)
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.
Notes: **TD505 IS REQUIRED BY AAFES.**

TD505 will be used to specify a carrier, and/or provide a required "CALL STAMP". If you are FOB Origin, and receive a call stamp, you must CALL AAFES for routing instructions prior to shipment.

If a routing deviation is required, call AAFES Logistics.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
R	TD504	91	Transportation Method/Type Code	X	1 ID 1/2

Code specifying the method or type of transportation for the shipment

A		Air
AF		Air Freight
B		Barge
BP		Book Postal
C		Consolidation
D		Parcel Post
E		Expedited Truck
FL		Motor (Flatbed)
H		Customer Pickup
I		Common Irregular Carrier
L		Contract Carrier
LT		Less Than Trailer Load (LTL)
M		Motor (Common Carrier)
O		Containerized Ocean
P		Private Carrier
Q		Conventional Ocean
R		Rail
S		Ocean
SE		Sea/Air
T		Best Way (Shippers Option)
U		Private Parcel Service
X		Intermodal (Piggyback)

| | | | ZZ | Mutually defined | | | | |

Represents truck load shipments.

| R | TD505 | 387 | **Routing** | | | | **X** | **1** | **AN 1/35** |

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

**This element will be used to specify a carrier, and/or provide required
"CALL FOR ROUTING" information.**

Segment:		**N9** Reference Identification				

Segment: **N9** Reference Identification

Position: 2950
Loop: N9   Optional (Recommended)
Level: Heading
Usage: Optional (Recommended)
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: **Required by AAFES.**

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	N901	128	**Reference Identification Qualifier**	M	1	ID 2/3
			Code qualifying the Reference Identification			
			AH Agreement Number			
	N902	127	**Reference Identification**	X	1	AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			

Segment:	**MTX** Text
Position:	3000
Loop:	N9 Optional (Recommended)
Level:	Heading
Usage:	Optional (Recommended)
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:		**This segment will contain any text clauses for the agreement referenced in the previous N9 segment.**

Data Element Summary

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

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

	Ref. Des.	Data Element	Name	Attributes		
M	N101	98	**Entity Identifier Code**	M	1	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual			
			BT Bill-to-Party			
			MA Party for whom Item is Ultimately Intended			
			ST Ship To			
			VN Vendor			
			When used, the N1 segment will be transmitted without corresponding N2, N3, and N4.			
			Z7 Mark-for Party			
			The party for whom the needed material is intended			
			Only used for orders that are consolidated or transhipped.			
R	N102	93	**Name**	X	1	AN 1/60
			Free-form name			
R	N103	66	**Identification Code Qualifier**	X	1	ID 1/2
			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			
			92 Assigned by Buyer or Buyer's Agent			
			AAFES 4 digit alpha/numeric facility number or 7 digit numeric facility number.			
R	N104	67	**Identification Code**	X	1	AN 2/80
			Code identifying a party or other code			

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

Data Element Summary

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

		Segment:	**N3** Address Information

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

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	N301	166	**Address Information**	M	1	AN 1/55
			Address information			
	N302	166	**Address Information**	O	1	AN 1/55
			Address information			

Segment:	**N4** Geographic Location
Position:	3400
Loop:	N1 Optional (Recommended)
Level:	Heading
Usage:	Optional
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

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

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. Des.	Data Element	Name	Attributes		
R	PO101	350	Assigned Identification	O	1	AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set			
			This element will contain the purchase order item line number.			
R	PO102	330	Quantity Ordered	X	1	R 1/15
			Quantity ordered			
R	PO103	355	Unit or Basis for Measurement Code	O	1	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
R	PO104	212	Unit Price	X	1	R 1/17
			Price per unit of product, service, commodity, etc.			
			If code in PO103 is "EA" unit price will be in eaches.			
			If code in PO104 is "CA" unit price will be in cases.			
R	PO105	639	Basis of Unit Price Code	O	1	ID 2/2
			Code identifying the type of unit price for an item			
			UM Price per Unit of Measure			
R	PO106	235	Product/Service ID Qualifier	X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			

EN   EAN/UCC - 13

Data structure for the 13 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)

IB   International Standard Book Number (ISBN)

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			
		UA	U.P.C./EAN Case Code (2-5-5)			
		UK	EAN/UCC - 14			
			Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)			
		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.)			
R	PO107	234	**Product/Service ID**	X	1	AN 1/48
			Identifying number for a product or service			
	PO108	235	**Product/Service ID Qualifier**	X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		PI	Purchaser's Item Code			
	PO109	234	**Product/Service ID**	X	1	AN 1/48
			Identifying number for a product or service			
			AAFES item number.			
	PO110	235	**Product/Service ID Qualifier**	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			
	PO111	234	**Product/Service ID**	X	1	AN 1/48
			Identifying number for a product or service			
	PO112	235	**Product/Service ID Qualifier**	X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		OT	Internal Number			
			Internal RETEK dept code			
	PO113	234	**Product/Service ID**	X	1	AN 1/48
			Identifying number for a product or service			

Segment:	**CTP** Pricing Information			
Position:	0400			
Loop:	CTP Optional			
Level:	Detail			
Usage:	Optional			
Max Use:	1			
Purpose:	To specify pricing information			

Syntax Notes:
1. If either CTP04 or CTP05 is present, then the other is required.
2. If CTP06 is present, then CTP07 is required.
3. If CTP09 is present, then CTP02 is required.
4. If CTP10 is present, then CTP02 is required.
5. If CTP11 is present, then CTP03 is required.

Semantic Notes:
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.
   See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

Notes: **This segment will be utilized to transmit Voluntary Price Reduction (VPR) and/or sell price for pre-marking of merchandise.**

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
CTP02	**236**	**Price Identifier Code**	X	1	ID 3/3
		Code identifying pricing specification			
		MSR Manufacturer's Suggested Retail			
		PRP Promotional price			
		RES Resale			
CTP03	**212**	**Unit Price**	X	1	R 1/17
		Price per unit of product, service, commodity, etc.			

| | | | Segment: | **PO4** Item Physical Details |

Segment: **PO4** Item Physical Details
Position: 0900
Loop: PO1   Mandatory
Level: Detail
Usage: Optional (Recommended)
Max Use: >1
Purpose: To specify the physical qualities, packaging, weights, and dimensions relating to the item
Syntax Notes:
1 If either PO402 or PO403 is present, then the other is required.
2 If PO405 is present, then PO406 is required.
3 If either PO406 or PO407 is present, then the other is required.
4 If either PO408 or PO409 is present, then the other is required.
5 If PO410 is present, then PO413 is required.
6 If PO411 is present, then PO413 is required.
7 If PO412 is present, then PO413 is required.
8 If PO413 is present, then at least one of PO410 PO411 or PO412 is required.
9 If PO417 is present, then PO416 is required.
10 If PO418 is present, then PO404 is required.

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

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

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
R	PO401	356	Pack	O	1	N0 1/6

The number of inner containers, or number of eaches if there are no inner containers, per outer container

Segment:		**SDQ** Destination Quantity	

Segment: **SDQ** Destination Quantity

Position: 1900
Loop: PO1   Mandatory
Level: Detail
Usage: Optional
Max Use: 500
Purpose: To specify destination and quantity detail
Syntax Notes:
1   If either SDQ05 or SDQ06 is present, then the other is required.
2   If either SDQ07 or SDQ08 is present, then the other is required.
3   If either SDQ09 or SDQ10 is present, then the other is required.
4   If either SDQ11 or SDQ12 is present, then the other is required.
5   If either SDQ13 or SDQ14 is present, then the other is required.
6   If either SDQ15 or SDQ16 is present, then the other is required.
7   If either SDQ17 or SDQ18 is present, then the other is required.
8   If either SDQ19 or SDQ20 is present, then the other is required.
9   If either SDQ21 or SDQ22 is present, then the other is required.

Semantic Notes:
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.

Notes: **The SDQ segment will only be utilized by AAFES on cross dock purchase orders. AAFES max use is 500.**

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	SDQ01	355	**Unit or Basis for Measurement Code**	M	1	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
	SDQ02	66	**Identification Code Qualifier**	O	1	ID 1/2
			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			
			92 Assigned by Buyer or Buyer's Agent			
M	SDQ03	67	**Identification Code**	M	1	AN 2/80
			Code identifying a party or other code			
M	SDQ04	380	**Quantity**	M	1	R 1/15
			Numeric value of quantity			
	SDQ05	67	**Identification Code**	X	1	AN 2/80
			Code identifying a party or other code			
	SDQ06	380	**Quantity**	X	1	R 1/15
			Numeric value of quantity			
	SDQ07	67	**Identification Code**	X	1	AN 2/80
			Code identifying a party or other code			
	SDQ08	380	**Quantity**	X	1	R 1/15
			Numeric value of quantity			
	SDQ09	67	**Identification Code**	X	1	AN 2/80
			Code identifying a party or other code			
	SDQ10	380	**Quantity**	X	1	R 1/15
			Numeric value of quantity			
	SDQ11	67	**Identification Code**	X	1	AN 2/80
			Code identifying a party or other code			

SDQ12	**380**	**Quantity**	X	1	**R 1/15**
		Numeric value of quantity			
SDQ13	**67**	**Identification Code**	X	1	**AN 2/80**
		Code identifying a party or other code			
SDQ14	**380**	**Quantity**	X	1	**R 1/15**
		Numeric value of quantity			
SDQ15	**67**	**Identification Code**	X	1	**AN 2/80**
		Code identifying a party or other code			
SDQ16	**380**	**Quantity**	X	1	**R 1/15**
		Numeric value of quantity			
SDQ17	**67**	**Identification Code**	X	1	**AN 2/80**
		Code identifying a party or other code			
SDQ18	**380**	**Quantity**	X	1	**R 1/15**
		Numeric value of quantity			
SDQ19	**67**	**Identification Code**	X	1	**AN 2/80**
		Code identifying a party or other code			
SDQ20	**380**	**Quantity**	X	1	**R 1/15**
		Numeric value of quantity			
SDQ21	**67**	**Identification Code**	X	1	**AN 2/80**
		Code identifying a party or other code			
SDQ22	**380**	**Quantity**	X	1	**R 1/15**
		Numeric value of quantity			

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.

<div align="center">

Data Element Summary

</div>

	Ref. Des.	Data Element	Name	Attributes		
M	CTT01	354	**Number of Line Items**	M	1	N0 1/6
			Total number of line items in the transaction set			

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

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