

850 Purchase Order

Functional Group ID=**PO**

Introduction:

This standard provides the format and establishes the data contents of a purchase order transaction set. The purchase order transaction set provides 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.

	<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>
	010	ST	Transaction Set Header	M	1		
	020	BEG	Beginning Segment for Purchase Order	M	1		
	030	NTE	Note/Special Instruction	F	100		
N/U	040	CUR	Currency	O	1		
	050	REF	Reference Numbers	O	12		
N/U	060	PER	Administrative Communications Contact	O	3		
N/U	070	TAX	Tax Reference	O	3		
	080	FOB	F.O.B. Related Instructions	O	1		
N/U	090	CTP	Pricing Information	O	25		
N/U	100	SSS	Special Services	O	25		
N/U	110	CSH	Header Sale Condition	O	1		
N/U	120	ITA	Allowance, Charge or Service	O	10		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
N/U	140	DTM	Date/Time/Period	O	10		
N/U	150	LDT	Lead Time	O	12		
N/U	160	SHH	General Schedule	O	5		
N/U	170	PRN	Product ID Numbers	O	5		
N/U	180	PID	Product/Item Description	O	200		
N/U	190	MEA	Measurements	O	40		
N/U	200	PWK	Paperwork	O	25		
N/U	210	PKG	Marking, Packaging, Loading	O	25		
N/U	220	TD1	Carrier Details (Quantity and Weight)	O	2		
N/U	230	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
N/U	240	TD3	Carrier Details (Equipment)	O	12		
N/U	250	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
N/U	260	MAN	Marks and Numbers	O	10		
LOOP ID - N9						1000	
	270	N9	Reference Number	O	1		
	280	MSG	Message Text	O	1000		
LOOP ID - N1						200	

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	290	N1	Name	O	1
	300	N2	Additional Name Information	O	2
	310	N3	Address Information	O	2
	320	N4	Geographic Location	O	1
N/U	330	REF	Reference Numbers	O	12
	340	PER	Administrative Communications Contact	O	3
N/U	350	FOB	F.O.B. Related Instructions	O	1
N/U	360	TD1	Carrier Details (Quantity and Weight)	O	2
N/U	370	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
N/U	380	TD3	Carrier Details (Equipment)	O	12
N/U	390	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
N/U	400	PKG	Marking, Packaging, Loading	O	25
LOOP ID - PO1					100000
	410	PO1	Purchase Order Baseline Item Data	M	1
N/U	420	CUR	Currency	O	1
N/U	430	PO3	Additional Item Detail	O	25
N/U	440	CTP	Pricing Information	O	25
	450	PID	Product/Item Description	O	1000
	460	MEA	Measurements	O	40
N/U	470	PWK	Paperwork	O	25
	480	PKG	Marking, Packaging, Loading	O	25
N/U	490	PO4	Item Physical Details	O	1
	500	REF	Reference Numbers	O	12
N/U	510	PER	Administrative Communications Contact	O	3
N/U	520	SSS	Special Services	O	25
N/U	530	ITA	Allowance, Charge or Service	O	10
N/U	540	IT8	Conditions of Sale	O	1
N/U	550	ITD	Terms of Sale/Deferred Terms of Sale	O	2
N/U	560	TAX	Tax Reference	O	3
	570	FOB	F.O.B. Related Instructions	O	1
N/U	580	SDQ	Destination Quantity	O	500
N/U	590	IT3	Additional Item Data	O	5
	600	DTM	Date/Time/Period	O	10
	610	LDT	Lead Time	O	12
	620	SCH	Line Item Schedule	O	104
N/U	630	TD1	Carrier Details (Quantity and Weight)	O	1
N/U	640	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
N/U	650	TD3	Carrier Details (Equipment)	O	12
N/U	660	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
	670	MAN	Marks and Numbers	O	10
N/U	680	AMT	Monetary Amount	O	1
LOOP ID - SLN					1000
N/U	690	SLN	Subline Item Detail	O	1

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N/U	700	PID	Product/Item Description	O	1000
N/U	710	PO3	Additional Item Detail	O	104
LOOP ID - N9					1000
N/U	720	N9	Reference Number	O	1
N/U	730	MSG	Message Text	O	1000
LOOP ID - N1					200
	740	N1	Name	O	1
	750	N2	Additional Name Information	O	2
	760	N3	Address Information	O	2
	770	N4	Geographic Location	O	1
N/U	780	REF	Reference Numbers	O	12
N/U	790	PER	Administrative Communications Contact	O	3
N/U	800	FOB	F.O.B. Related Instructions	O	1
N/U	810	TD1	Carrier Details (Quantity and Weight)	O	2
N/U	820	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
N/U	830	TD3	Carrier Details (Equipment)	O	12
N/U	840	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
N/U	850	PKG	Marking, Packaging, Loading	O	25
	860	CTT	Transaction Totals	M	1
	870	AMT	Monetary Amount	O	1
	880	SE	Transaction Set Trailer	M	1

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes:
Comments: 1 The transaction set identifier (ST01) is intended for use by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 850 X12.1 Purchase Order	M ID 3/3
Must Use	ST02	329	Transaction Set Control Number Identifying control number assigned by the originator for a Transaction Set. Also see: Data Interchange Control Number (28.)	M AN 4/9

Segment: **BEG** Beginning Segment for Purchase Order
Position: 020
Loop:
Level:
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:
Comments:

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use BEG01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original 01 Cancellation 04 Change	M ID 2/2
Must Use BEG02	92	Purchase Order Type Code Code specifying the type of Purchase Order <i>See block 16 of the DD Form 1155.</i> NE New Order RL Release (Blanket Order)	M ID 2/2
Must Use BEG03	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser <i>PIIN. Enter Contract or Purchase Order Number. Block 1 of the DD Form 1155.</i>	M AN 1/22
BEG04	328	Release Number Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction <i>Enter SPIIN if BEG02 equals RL. Block 2 of the DD Form 1155.</i>	O AN 1/30
Must Use BEG05	323	Purchase Order Date Date assigned by the purchaser to Purchase Order <i>P.O. issue date (YYMMDD). Block 3 of DD Form 1155.</i>	M DT 6/6
BEG06	326	Request Reference Number Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)	O AN 1/45
BEG07	367	Contract Number Contract number	O AN 1/30
BEG08	587	Acknowledgment Type Code specifying the type of acknowledgment	O ID 2/2

AK	Acknowledge - No Detail or Change
NA	No Acknowledgment Needed

Segment: **NTE** Note/Special Instruction
Position: 030
Loop:
Level:
Usage: Floating
Max Use: 100
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	Name	Attributes
<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. Also see: Free Form Message (3).	
		GEN Entire Transaction Set	
Must Use NTE02	3	Free Form Message	M AN 1/60
		Free-form text	

Segment: **REF** Reference Numbers
Position: 050
Loop:
Level:
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use REF01	128	Reference Number Qualifier	M ID 2/2
		Code qualifying the Reference Number.	
		AT Appropriation Number	
		CR Customer Reference Number	
		DS Defense Priorities Allocation System (DPAS) Priority Rating	
		RQ Purchase Requisition No.	
		TN Transaction Reference Number	
REF02	127	Reference Number	C AN 1/30
		Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Also see Reference Number Qualifier, (128).	
REF03	352	Description	C AN 1/80
		A free-form description to clarify the related data elements and their content	

Segment: **FOB** F.O.B. Related Instructions
Position: 080
Loop:
Level:
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.

Semantic Notes:

Comments: 1 FOB01 indicates which party will pay the carrier.
 2 FOB02 is the code specifying transportation responsibility location.
 3 FOB06 is the code specifying title passage location.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	FOB01	146 Shipment Method of Payment	M ID 2/2
		Code identifying payment terms for transportation charges	
		DF Defined by Buyer and Seller	
FOB02	309	Location Qualifier	C ID 1/2
		Code identifying type of Location Identifier (310) used.	
		DE Destination (Shipping)	
		OR Origin (Shipping Point)	
FOB03	352	Description	O AN 1/80
		A free-form description to clarify the related data elements and their content	
FOB06	309	Location Qualifier	C ID 1/2
		Code identifying type of Location Identifier (310) used.	
		DE Destination (Shipping)	
		OR Origin (Shipping Point)	
FOB07	352	Description	O AN 1/80
		A free-form description to clarify the related data elements and their content	

Segment: **ITD** **Terms of Sale/Deferred Terms of Sale**
Position: 130
Loop:
Level:
Usage: Optional
Max Use: 5
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 or ITD05 is required.
- 3 If ITD09 is present, then ITD10 is required.

Semantic Notes:
Comments:

- 1 If ITD01 equals 04 - ITD10 is required and either ITD11 or ITD12 is required. If ITD01 equals 05 - ITD06 or ITD07 is required. If ITD01 does not equal 04 or 05 - ITD03 or ITD08 is required.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
ITD01		336	Terms Type Code Code identifying type of payment terms 08 Basic Discount Offered	O ID 2/2
Must Use ITD02		333	Terms Basis Date Code Code identifying the beginning of the terms period 5 Invoice Receipt Date	M ID 1/2
ITD03		338	Terms Discount Percent Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	C R 1/6
ITD04		370	Terms Discount Due Date Date payment is due if discount is to be earned	C DT 6/6
ITD05		351	Terms Discount Days Due Number of days in the terms discount period by which payment is due if terms discount is earned	C N0 1/3
ITD07		386	Terms Net Days Number of days until total invoice amount is due (discount not applicable)	C N0 1/3

Segment: **N9** Reference Number
Position: 270
Loop: N9
Level:
Usage: Optional
Max Use: 1
Purpose: To transmit identifying numbers and descriptive information as specified by the reference number qualifier
Syntax Notes: 1 At least one of N902 or N903 is required.
Semantic Notes:
Comments:

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use N901	128	Reference Number Qualifier Code qualifying the Reference Number. CJ Clause Number	M ID 2/2
N902	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Also see Reference Number Qualifier, (128).	C AN 1/30
N904	373	Date Date (YYMMDD)	O DT 6/6

Segment: **MSG** Message Text
Position: 280
Loop: N9
Level:
Usage: Optional
Max Use: 1000
Purpose: To provide a free form format that would allow the transmission of text information.
Syntax Notes:
Semantic Notes:
Comments: 1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
Must Use	MSG01	933 Free-Form Message Text	M AN 1/264
		Free-form message text	

Segment: **N1** Name
Position: 290
Loop: N1
Level:
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.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	N101	98 Entity Identifier Code	M ID 2/2
		Code identifying an organizational entity or a physical location.	
		BY Buying Party (Purchaser)	
		OI Outside Inspection Agency	
		PR Payer	
		RE Party to receive commercial invoice remittance	
N102	93	Name	C AN 1/35
		Free-form name	
N103	66	Identification Code Qualifier	C ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		1 Dun and Bradstreet (Credit Reporting) (DUNS)	
		10 Department of Defense Activity Address Code (DODAAC)	
		92 Assigned by Buyer	
N104	67	Identification Code	C ID 2/17
		Code identifying a party.	

Segment: N2 Additional Name Information
Position: 300
Loop: N1
Level:
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
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>
Must Use	N201	93	Name Free-form name	M AN 1/35
	N202	93	Name Free-form name	O AN 1/35

Segment: N3 Address Information
Position: 310
Loop: N1
Level:
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
Must Use N301	166	Address Information Free-form field for address information.	M AN 1/35
N302	166	Address Information Free-form field for address information.	O AN 1/35

Segment: **N4 Geographic Location**
Position: 320
Loop: N1
Level:
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes:

- 1 At least one of N401 or N405 is required.
- 2 If N401 is present, then N402 is required.
- 3 If either N405 or N406 is present, then the other 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 USA or Canada.

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name Free-form text for city name	C AN 2/19
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	C ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 5/9
N404	26	Country Code Code identifying the country	O ID 2/2

Segment: **PER Administrative Communications Contact**
Position: 340
Loop: N1
Level:
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes: 1 If PER03 is present, then PER04 is required.
Semantic Notes:
Comments: 1 This segment is used to specify who is to be contacted on various conditions related to the transaction. The term "Communication" in the title and purpose relates to interpersonal communications, not network or telecommunications contacts.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
Must Use PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named BD Buyer Name or Department OC Order Contact	M ID 2/2
PER02	93	Name Free-form name	O AN 1/35
PER03	365	Communication Number Qualifier Code identifying the type of communication number FX Facsimile TE Telephone	O ID 2/2
PER04	364	Communication Number Complete communications number including country or area code when applicable. Also see: Communications Number Qualifier (365).	C AN 7/21

Segment: **PO1 Purchase Order Baseline Item Data**
Position: 410
Loop: PO1
Level:
Usage: Mandatory
Max Use: 1
Purpose: To specify basic and most frequently used purchase order line item data
Syntax Notes:

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

Semantic Notes:
Comments:

- 1 See the Data Dictionary for a complete list of ID's.
- 2 PO101 is the line item identification.
- 3 PO106 through PO125 provide for ten (10) different product/service ID's per each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes								
Must Use PO101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set <i>Purchase requisition Line Item number.</i>	M AN 1/6								
Must Use PO102	330	Quantity Ordered Quantity ordered	M R 1/9								
Must Use PO103	355	Unit or Basis for Measurement Code Code identifying the basic unit of measurement. <i>Some codes must be mutually agreed upon. DoD Manual 5000.12-M and ASX 12 dictionary must be reconciled. Use "ZZ" for conflicting codes.</i> Refer to 002003 Data Element Dictionary for acceptable code values.	M ID 2/2								
PO104	212	Unit Price Price per unit of product, service, commodity, etc.	C R 1/14								
PO105	639	Basis of Unit Price Code Code identifying the type of unit price for an item <table border="0" style="margin-left: 20px;"> <tr> <td>CT</td> <td>Contract</td> </tr> <tr> <td>ES</td> <td>Estimated</td> </tr> <tr> <td>NE</td> <td>Not to Exceed</td> </tr> <tr> <td>QT</td> <td>Quoted</td> </tr> </table>	CT	Contract	ES	Estimated	NE	Not to Exceed	QT	Quoted	O ID 2/2
CT	Contract										
ES	Estimated										
NE	Not to Exceed										
QT	Quoted										

PO106	235	Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		FS Federal Stock Classification and/or National Stock Number	
PO107	234	Product/Service ID	C AN 1/30
		Identifying number for a product or service	
PO108	235	Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		PD Part Number Description	
PO109	234	Product/Service ID	C AN 1/30
		Identifying number for a product or service	
PO110	235	Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		CG Commodity Grouping	
PO111	234	Product/Service ID	C AN 1/30
		Identifying number for a product or service	
PO112	235	Product/Service ID Qualifier	O ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		VP Vendor's (Seller's) Part Number	
PO113	234	Product/Service ID	C AN 1/30
		Identifying number for a product or service	

Segment: **PID** **Product/Item Description**
Position: 450
Loop: PO1
Level:
Usage: Optional
Max Use: 1000
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:

- 1 If PID03 is present, then PID04 is required.
- 2 At least one of PID04 or PID05 is required.

Semantic Notes:

Comments:

- 1 Use PID03 to indicate the organization that publishes the code list being referred to.
- 2 PID04 should be used for industry-specific product description codes.
- 3 Use PID06 when necessary to refer to the product surface or layer being described in the segment.

Data Element Summary

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

Segment: **MEA** Measurements
Position: 460
Loop: PO1
Level:
Usage: Optional
Max Use: 40
Purpose: To specify physical measurements, including dimension tolerances, weights and counts.
Syntax Notes:
Semantic Notes:
Comments: 1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
MEA01	737	Measurement Reference ID Code Code specifying the application of physical measurement cited. CT Counts	O ID 2/2
MEA02	738	Measurement Qualifier Code identifying the type of measurement. PO Percent of Order (-, +)	O ID 1/3
MEA04	355	Unit or Basis for Measurement Code Code identifying the basic unit of measurement. P1 Percent	O ID 2/2
MEA05	740	Range Minimum The value specifying the minimum of the measurement range	C R 1/10
MEA06	741	Range Maximum The value specifying the maximum of the measurement range	C R 1/10

Segment: **PKG** **Marking, Packaging, Loading**
Position: 480
Loop: PO1
Level:
Usage: Optional
Max Use: 25
Purpose: To describe marking, packaging, loading, and unloading requirements
Syntax Notes: 1 If PKG03 is present, then PKG04 is required.
 2 At least one of PKG04 or PKG05 is required.
Semantic Notes:
Comments: 1 Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
 2 Use PKG03 to indicate the organization that publishes the code list being referred to.
 3 PKG04 should be used for industry-specific packaging description codes.
 4 Special marking or tagging data can be given in PKG05 (description).

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use PKG01	349	Item Description Type	M ID 1/1
		Code indicating the format of a description	
		F Free-form	
PKG02	753	Packaging Characteristic Code	O ID 1/5
		Code specifying the marking, packaging, loading and related characteristics being described	
		36 Package Specifications	
PKG03	348	Item Description Qualifier	O ID 2/2
		Code identifying agency responsible for the code used.	
		ZZ Mutually Defined	
PKG04	754	Packaging Description Code	C ID 1/7
		A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product. Also see: Item Description Qualifier (348).	
PKG05	352	Description	C AN 1/80
		A free-form description to clarify the related data elements and their content	

Segment: **REF** Reference Numbers
Position: 500
Loop: PO1
Level:
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use REF01	128	Reference Number Qualifier Code qualifying the Reference Number. AT Appropriation Number CR Customer Reference Number <i>Indicates aircraft applicability.</i> RQ Purchase Requisition No.	M ID 2/2
REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Also see Reference Number Qualifier, (128).	C AN 1/30
REF03	352	Description A free-form description to clarify the related data elements and their content	C AN 1/80

Segment: **FOB** F.O.B. Related Instructions
Position: 570
Loop: PO1
Level:
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.

Semantic Notes:

Comments: 1 FOB01 indicates which party will pay the carrier.
 2 FOB02 is the code specifying transportation responsibility location.
 3 FOB06 is the code specifying title passage location.

Data Element Summary

Ref.	Data			<u>Attributes</u>	
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>M</u>	<u>ID</u>
Must Use	FOB01	146	Shipment Method of Payment	M	ID 2/2
			Code identifying payment terms for transportation charges		
			PP Prepaid (by Seller)		
			ZZ Mutually Defined		
FOB02	309	Location Qualifier		C	ID 1/2
			Code identifying type of Location Identifier (310) used.		
			DE Destination (Shipping)		
			OR Origin (Shipping Point)		
FOB03	352	Description		O	AN 1/80
			A free-form description to clarify the related data elements and their content		
FOB06	309	Location Qualifier		C	ID 1/2
			Code identifying type of Location Identifier (310) used.		
			DE Destination (Shipping)		
			OR Origin (Shipping Point)		
FOB07	352	Description		O	AN 1/80
			A free-form description to clarify the related data elements and their content		

Segment: **DTM** Date/Time/Period
Position: 600
Loop: PO1
Level:
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: 1 At least one of DTM02 or DTM03 is required.
Semantic Notes:
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			075 Promised for Delivery (Prior to and Including)	
	DTM02	373	Date	C DT 6/6
			Date (YYMMDD)	

Segment: **LDT** Lead Time
Position: 610
Loop: PO1
Level:
Usage: Optional
Max Use: 12
Purpose: To specify lead time for availability of products and services
Syntax Notes:
Semantic Notes:
Comments: 1 LDT04 is the effective date of lead time information.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	LDT01	345	Lead Time Code Code indicating the time range	M ID 2/2
			AA From date of PO receipt to sample ready. <i>Indicated delivery shedule for "First Article".</i>	
			AF From date of PO receipt to delivery.	
Must Use	LDT02	380	Quantity Numeric value of Quantity. Also see: Unit of Measurement Code (355).	M R 1/10
Must Use	LDT03	344	Unit of Time Period or Interval Code indicating the time period or interval	M ID 2/2
			DA Calendar Days	

Segment: **SCH** Line Item Schedule
Position: 620
Loop: PO1
Level:
Usage: Optional
Max Use: 104
Purpose: To specify the data for scheduling a specific line-item
Syntax Notes: 1 If SCH04 is present, then SCH05 is required.
 2 If SCH10 is present, then SCH09 is required.
Semantic Notes:
Comments: 1 SCH06 specifies the interpretation to be used for SCH07 and SCH08.

Data Element Summary

Ref.	Data	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SCH01	380	Quantity	M R 1/10
			Numeric value of Quantity. Also see: Unit of Measurement Code (355).	
Must Use	SCH02	355	Unit or Basis for Measurement Code	M ID 2/2
			Code identifying the basic unit of measurement.	
			<i>DoD uses DoD 5000.12M for unit measure code. Some of these codes conflict with ASC X12 DE355. Use "ZZ" for these conflicting codes after reaching agreement with trading partner.</i>	
			Refer to 002003 Data Element Dictionary for acceptable code values.	
	SCH03	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	
	SCH04	98	Entity Identifier Code	O ID 2/2
			Code identifying an organizational entity or a physical location.	
			ST Ship To	
	SCH05	93	Name	C AN 1/35
			Free-form name	
Must Use	SCH06	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			Refer to 002003 Data Element Dictionary for acceptable code values.	
Must Use	SCH07	373	Date	M DT 6/6
			Date (YYMMDD)	

Segment: **MAN** Marks and Numbers
Position: 670
Loop: PO1
Level:
Usage: Optional
Max Use: 10
Purpose: To indicate identifying marks and numbers for shipping containers
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	MAN01	88	Marks and Numbers Qualifier	M ID 1/2
			Code specifying the application or source of Marks and Numbers (87) <i>Use this code to indicate "Mark For" instructions in addition to "Ship To".</i>	
			L Line Item Only	
Must Use	MAN02	87	Marks and Numbers	M AN 1/45
			Marks and numbers used to identify a shipment or parts of a shipment. Also see: Marks and Numbers Qualifier (88).	

Segment: **N1** Name
Position: 740
Loop: N1
Level:
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.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
Must Use N101	98	Entity Identifier Code Code identifying an organizational entity or a physical location. ST Ship To	M ID 2/2
N102	93	Name Free-form name	C AN 1/35
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 1 Dun and Bradstreet (Credit Reporting) (DUNS) 10 Department of Defense Activity Address Code (DODAAC) 92 Assigned by Buyer	C ID 1/2
N104	67	Identification Code Code identifying a party.	C ID 2/17

Segment: **N2 Additional Name Information**
Position: 750
Loop: N1
Level:
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element	Name	
Must Use N201	93	Name Free-form name	M AN 1/35
N202	93	Name Free-form name	O AN 1/35

Segment: N3 Address Information
Position: 760
Loop: N1
Level:
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
Must Use N301	166	Address Information Free-form field for address information.	M AN 1/35
N302	166	Address Information Free-form field for address information.	O AN 1/35

Segment: **N4 Geographic Location**
Position: 770
Loop: N1
Level:
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes:

- 1 At least one of N401 or N405 is required.
- 2 If N401 is present, then N402 is required.
- 3 If either N405 or N406 is present, then the other 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 USA or Canada.

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name Free-form text for city name	C AN 2/19
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	C ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 5/9
N404	26	Country Code Code identifying the country	O ID 2/2

Segment: **CTT** Transaction Totals
Position: 860
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: 1 If CTT03 is present, then CTT04 is required.
 2 If CTT05 is present, then CTT06 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>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
Must Use CTT01	354	Number of Line Items	M N0 1/6
		Total number of line items in the transaction set	

Segment: **AMT** Monetary Amount
Position: 870
Loop:
Level:
Usage: Optional
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments: 1 If AMT is used in the detail area of transaction set 850, 855, 860 or 865, AMT02 will indicate total line amount. If AMT is used in the summary area of transaction set 850, 855, 860 or 865, AMT02 will indicate total transaction amount.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	AMT01	522	Amount Qualifier Code Code to qualify amount Refer to 002003 Data Element Dictionary for acceptable code values.	M ID 1/2
Must Use	AMT02	782	Monetary Amount Monetary amount	M R 1/15

Segment: **SE** Transaction Set Trailer
Position: 880
Loop:
Level:
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>
Must Use	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/6
Must Use	SE02	329	Transaction Set Control Number Identifying control number assigned by the originator for a Transaction Set. Also see: Data Interchange Control Number (28.)	M AN 4/9