

850 Purchase Order

Functional Group ID=**PO**

Introduction:

This Acquisition Instruction (AI) provides guidance specific to Defense Logistics Agency issued awards. This AI does not include anything that is not in the Federal Implementation Convention.

This Revision 2 to the DLA AI replaces the DLA 850 AI Revision 1 dated July 27, 1998 and any other previous versions.

Notes:

Throughout this document symbols are used in the left margin to indicate the following:

>> - indicates the element will be used in all transactions when the segment is used.

X - indicates the element is not used

(blank) - indicates the element may be used but is not required

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BEG	Beginning Segment for Purchase Order	M	1		
Not Used	030	NTE	Note/Special Instruction	F	100		
Not Used	040	CUR	Currency	O	1		
	050	REF	Reference Numbers	O	>1		
Not Used	060	PER	Administrative Communications Contact	O	3		
Not Used	070	TAX	Tax Reference	O	>1		
	080	FOB	F.O.B. Related Instructions	O	>1		
Not Used	090	CTP	Pricing Information	O	>1		
Not Used	095	PAM	Period Amount	O	10		
Not Used	110	CSH	Header Sale Condition	O	5		
			LOOP ID - SAC			25	
	120	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
Not Used	125	CUR	Currency	O	1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
Not Used	140	DIS	Discount Detail	O	20		
Not Used	145	INC	Installment Information	O	1		
	150	DTM	Date/Time Reference	O	10		
	160	LDT	Lead Time	O	12		
Not Used	180	LIN	Item Identification	O	5		n1
Not Used	185	SI	Service Characteristic Identification	O	2		
	190	PID	Product/Item Description	O	200		
Not Used	200	MEA	Measurements	O	40		
Not Used	210	PWK	Paperwork	O	25		
Not Used	220	PKG	Marking, Packaging, Loading	O	200		
Not Used	230	TD1	Carrier Details (Quantity and Weight)	O	2		
Not Used	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	250	TD3	Carrier Details (Equipment)	O	12		

Not Used	260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	270	MAN	Marks and Numbers	O	10
Not Used	280	CTB	Restrictions/Conditions	O	5
Not Used	285	TXI	Tax Information	O	>1
LOOP ID - AMT					>1
	287	AMT	Monetary Amount	O	1
	288	AT	Financial Accounting	O	1
	289	REF	Reference Numbers	O	>1
LOOP ID - N9					1000
	290	N9	Reference Number	O	1
	300	MSG	Message Text	O	1000
LOOP ID - N1					200
	310	N1	Name	O	1
	320	N2	Additional Name Information	O	2
	330	N3	Address Information	O	2
	340	N4	Geographic Location	O	>1
Not Used	345	NX2	Real Estate Property ID Component	O	3
Not Used	350	REF	Reference Numbers	O	12
	360	PER	Administrative Communications Contact	O	>1
Not Used	370	FOB	F.O.B. Related Instructions	O	1
Not Used	380	TD1	Carrier Details (Quantity and Weight)	O	2
Not Used	390	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	400	TD3	Carrier Details (Equipment)	O	12
Not Used	410	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	420	PKG	Marking, Packaging, Loading	O	200
LOOP ID - LM					>1
	430	LM	Code Source Information	O	1
Must Use	440	LQ	Industry Code	M	>1
LOOP ID - SPI					>1
Not Used	450	SPI	Specification Identifier	O	1
Not Used	460	REF	Reference Numbers	O	5
Not Used	470	DTM	Date/Time Reference	O	5
Not Used	480	MSG	Message Text	O	50
LOOP ID - N1					20
Not Used	490	N1	Name	O	1
Not Used	500	N2	Additional Name Information	O	2
Not Used	510	N3	Address Information	O	2
Not Used	520	N4	Geographic Location	O	1
Not Used	530	REF	Reference Numbers	O	20
Not Used	540	G61	Contact	O	1
Not Used	550	MSG	Message Text	O	50
LOOP ID - CB1					>1
Not Used	560	CB1	Contract and Cost Accounting Standards Data	O	1
Not Used	570	REF	Reference Numbers	O	20
Not Used	580	DTM	Date/Time Reference	O	5
Not Used	590	LDT	Lead Time	O	1
Not Used	600	MSG	Message Text	O	50

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PO1			100000	
Must Use	010	PO1	Baseline Item Data	M	1		n2
Not Used	018	SI	Service Characteristic Identification	O	5		
Not Used	020	CUR	Currency	O	1		
Not Used	025	CN1	Contract Information	O	1		
	030	PO3	Additional Item Detail	O	25		
Not Used	040	CTP	Pricing Information	O	>1		
Not Used	045	PAM	Period Amount	O	10		
	049	MEA	Measurements	O	40		
			LOOP ID - PID			1000	
	050	PID	Product/Item Description	O	1		
Not Used	060	MEA	Measurements	O	10		
Not Used	070	PWK	Paperwork	O	25		
	090	PO4	Item Physical Details	O	>1		
	100	REF	Reference Numbers	O	>1		
Not Used	110	PER	Administrative Communications Contact	O	3		
			LOOP ID - SAC			25	
	130	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
Not Used	135	CUR	Currency	O	1		
Not Used	140	IT8	Conditions of Sale	O	1		
Not Used	150	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
Not Used	160	DIS	Discount Detail	O	20		
Not Used	165	INC	Installment Information	O	1		
Not Used	170	TAX	Tax Reference	O	>1		
	180	FOB	F.O.B. Related Instructions	O	>1		
Not Used	190	SDQ	Destination Quantity	O	500		
Not Used	200	IT3	Additional Item Data	O	5		
Not Used	210	DTM	Date/Time Reference	O	10		
Not Used	235	TC2	Commodity	O	2		
Not Used	240	TD1	Carrier Details (Quantity and Weight)	O	1		
Not Used	250	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	260	TD3	Carrier Details (Equipment)	O	12		
Not Used	270	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
Not Used	280	MAN	Marks and Numbers	O	10		
Not Used	289	MSG	Message Text	O	>1		
Not Used	291	SPI	Specification Identifier	O	>1		
Not Used	292	TXI	Tax Information	O	>1		
			LOOP ID - SCH			200	
Not Used	295	SCH	Line Item Schedule	O	1		n3
Not Used	296	TD1	Carrier Details (Quantity and Weight)	O	2		
Not Used	297	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	298	TD3	Carrier Details (Equipment)	O	12		
Not Used	299	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
			LOOP ID - PKG			200	
	300	PKG	Marking, Packaging, Loading	O	1		

Not Used	310	MEA	Measurements	O	>1
	320	LS	Loop Header	O	1
LOOP ID - LDT					>1
	321	LDT	Lead Time	O	1
Not Used	322	QTY	Quantity	O	>1
Not Used	323	MSG	Message Text	O	1
Not Used	324	REF	Reference Numbers	O	3
LOOP ID - LM					>1
Not Used	325	LM	Code Source Information	O	1
Not Used	326	LQ	Industry Code	M	>1
	327	LE	Loop Trailer	O	1
LOOP ID - N9					1000
	330	N9	Reference Number	O	1
Not Used	335	MEA	Measurements	O	40
	340	MSG	Message Text	O	1000
LOOP ID - N1					200
	350	N1	Name	O	1
	360	N2	Additional Name Information	O	2
	370	N3	Address Information	O	2
	380	N4	Geographic Location	O	1
Not Used	385	NX2	Real Estate Property ID Component	O	3
Not Used	390	REF	Reference Numbers	O	12
Not Used	400	PER	Administrative Communications Contact	O	3
Not Used	410	FOB	F.O.B. Related Instructions	O	1
Not Used	415	SCH	Line Item Schedule	O	200
Not Used	420	TD1	Carrier Details (Quantity and Weight)	O	2
Not Used	430	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	440	TD3	Carrier Details (Equipment)	O	12
Not Used	450	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	460	PKG	Marking, Packaging, Loading	O	200
LOOP ID - LDT					>1
Not Used	462	LDT	Lead Time	O	1
Not Used	464	MAN	Marks and Numbers	O	10
Not Used	466	QTY	Quantity	O	5
Not Used	468	MSG	Message Text	O	1
Not Used	469	REF	Reference Numbers	O	3
LOOP ID - SLN					1000
Not Used	470	SLN	Subline Item Detail	O	1
Not Used	480	SI	Service Characteristic Identification	O	5
Not Used	490	PID	Product/Item Description	O	1000
Not Used	500	PO3	Additional Item Detail	O	104
Not Used	505	TC2	Commodity	O	2
LOOP ID - SAC					10
Not Used	510	SAC	Service, Promotion, Allowance, or Charge Information	O	1
Not Used	515	CUR	Currency	O	1
Not Used	520	DTM	Date/Time Reference	O	10
Not Used	522	CTP	Pricing Information	O	25
Not Used	523	PAM	Period Amount	O	10

Not Used	524	PO4	Item Physical Details	O	1
Not Used	527	TAX	Tax Reference	O	3
LOOP ID - N1					10
Not Used	530	N1	Name	O	1
Not Used	540	N2	Additional Name Information	O	2
Not Used	550	N3	Address Information	O	2
Not Used	560	N4	Geographic Location	O	1
Not Used	570	NX2	Real Estate Property ID Component	O	3
Not Used	580	REF	Reference Numbers	O	12
Not Used	590	PER	Administrative Communications Contact	O	3
LOOP ID - AMT					>1
	600	AMT	Monetary Amount	O	1
	610	REF	Reference Numbers	O	1
LOOP ID - LM					>1
	620	LM	Code Source Information	O	1
Must Use	630	LQ	Industry Code	M	>1

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	CTT	Transaction Totals	M	1		n4
	020	AMT	Monetary Amount	O	1		n5
Must Use	030	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: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) 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).
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 850 X12.1 Purchase Order	M ID 3/3
>>	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

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

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

Data Element Summary

Ref.	Data Element	Name	Attributes
>>	BEG01	353 Transaction Set Purpose Code Code identifying purpose of transaction set	M ID 2/2
		00 Original	
		07 Duplicate	
		22 Information Copy	
		24 Draft	
>>	BEG02	92 Purchase Order Type Code Code specifying the type of Purchase Order	M ID 2/2
		KC Contract	
		KN Purchase Order	
		RL Release or Delivery Order	
>>	BEG03	324 Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	M AN 1/22
		Used to provide the 13 position purchase order or basic contract number. This number is transmitted without dashes.	
	BEG04	328 Release Number Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	O AN 1/30
		Used to provide the four position delivery order or "call" number issued against a basic contract.	
>>	BEG05	373 Date Date (YYMMDD)	M DT 6/6
	BEG06	367 Contract Number Contract number	O AN 1/30
	BEG07	587 Acknowledgment Type Code specifying the type of acknowledgment	O ID 2/2
		Acknowledgments are made using the Purchase Order Acknowledgment, 855 transaction set.	
		AT Accepted	

Indicates that acceptance or rejection of this 850 transaction set is required.

X	BEG08	1019	Invoice Type Code Code defining the method by which invoices are to be processed	O ID 3/3
	BEG09	1166	Contract Type Code Code identifying a contract type FR Firm Fixed Price FX Fixed Price with Economic Price Adjustment	O ID 2/2
	BEG10	1232	Purchase Category Code identifying the broad category of products or services being acquired SP Supplies	O ID 2/2
X	BEG11	786	Security Level Code Code indicating the level of confidentiality assigned by the sender to the information following	O ID 2/2

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

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	REF01	128	Reference Number Qualifier Code qualifying the Reference Number.	M ID 2/2
			2E Foreign Military Sales Case Number A reference number designating the foreign military sale records	
			DS Defense Priorities Allocation System (DPAS) Priority Rating	
			IJ Standard Industry Classification (SIC) Code	
			IL Internal Order Number Used to indicate the MILSTRIP/FEDSTRIP requisition document number.	
			K4 Criticality Designator A number assigned to a contract or order that expresses the relative importance of that contract or order and thereby assists the contractor in making performance decisions and assists in making production surveillance decisions	
			KS Solicitation A discreet number assigned by the purchasing activity to differentiate between different solicitations	
			P4 Project Code	
			PH Priority Rating Used to indicate the MILSTRIP/FEDSTRIP priority rating.	
			PR Price Quote Number Used to indicate the contractor's quote or offer number.	
			RQ Purchase Requisition No. Used to indicate the Purchase Request (PR) number.	
			T4 Signal Code Defense Fuel Supply Center to bill back fuel purchases to the appropriate service or agency account fund	
			XE Transportation Priority Number Number indicating the level of government priority associated with the transportation of a shipment	
>>	REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30
X	REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80

Segment: **FOB** F.O.B. Related Instructions
Position: 080
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify transportation instructions relating to shipment
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.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
>>	FOB01	146	Shipment Method of Payment Code identifying payment terms for transportation charges	M ID 2/2
			BP Paid by Buyer The buyer agrees to the transportation payment term requiring the buyer to pay transportation charges to a specified location (origin or destination location) Indicates a Government Bill of Lading (GBL) will be issued.	
			PP Prepaid (by Seller) Indicates transportation charges are not included in the unit price but are to be prepaid and added as a separate item on the invoice.	
			PS Paid by Seller The seller agrees to the transportation payment term requiring the seller to pay transportation charges to a specified location (origin or destination location) Indicates transportation charges are included in the unit price.	
>>	FOB02	309	Location Qualifier Code identifying type of location Identifies the FOB point.	X ID 1/2
			DE Destination (Shipping)	
			KE Port of Embarkation	
			OR Origin (Shipping Point)	
			ZZ Mutually Defined Used to indicate an Other FOB point, i.e., neither at origin nor at destination. Provide the address in the 1/N1/310 loop, citing code KX in N101.	
X	FOB03	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80
X	FOB04	334	Transportation Terms Qualifier Code Code identifying the source of the transportation terms	O ID 2/2
X	FOB05	335	Transportation Terms Code Code identifying the trade terms which apply to the shipment transportation responsibility	X ID 3/3
	FOB06	309	Location Qualifier	X ID 1/2

Code identifying type of location

Identifies the acceptance point. Also identifies the inspection location unless N101 in the 1/N1/310 loop is Code L1.

DE Destination (Shipping)
 KE Port of Embarkation
 OR Origin (Shipping Point)
 ZZ Mutually Defined

Used to indicate the acceptance point is neither at origin nor at destination.

When both the acceptance and inspection points are the same location but neither origin nor destination, use the 1/N1/310 loop, citing code 7M in N101.

When both the acceptance and inspection points are at different locations but neither are origin nor destination, use the 1/N1/310 loop to provide the acceptance point address, citing code KZ in N101 and the inspection point in another iteration of the N1 loop, citing code L1 in N101.

X	FOB07	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80
X	FOB08	54	Risk of Loss Qualifier Code specifying where responsibility for risk of loss passes	O ID 2/2
X	FOB09	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80

Segment: SAC Service, Promotion, Allowance, or Charge Information

Position: 120

Loop: SAC Optional

Level: Heading

Usage: Optional

Max Use: 1

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

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.

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.

Comments:

- 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
- 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to a "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
>>	SAC01	248 Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified	M ID 1/1
		A Allowance	
		C Charge	
		N No Allowance or Charge	
	SAC02	1300 Service, Promotion, Allowance, or Charge Code Code identifying the service, promotion, allowance, or charge	X ID 4/4
		D500 Handling	
		F150 Packaging Service	
		F560 Premium Transportation	
		I260 Transportation Direct Billing	
		ZZZZ Mutually Defined	
X	SAC03	559 Agency Qualifier Code Code identifying the agency assigning the code values Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 2/2
X	SAC04	1301 Agency Service, Promotion, Allowance, or Charge Code Agency maintained code identifying the service, promotion, allowance, or charge	X AN 1/10

	SAC05	610	Amount Monetary amount	O N2 1/15
	SAC06	378	Allowance/Charge Percent Qualifier Code indicating on what basis allowance or charge percent is calculated 5 Base Price per Unit Z Mutually Defined	X ID 1/1
	SAC07	332	Percent Percent expressed as a percent	X R 1/6
	SAC08	118	Rate Rate expressed in the standard monetary denomination for the currency specified	O R 1/9
	SAC09	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 2/2
	SAC10	380	Quantity Numeric value of quantity	X R 1/15
	SAC11	380	Quantity Numeric value of quantity	O R 1/15
X	SAC12	331	Allowance or Charge Method of Handling Code Code indicating method of handling for an allowance or charge	O ID 2/2
	SAC13	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30
X	SAC14	770	Option Number A unique number identifying available promotion or allowance options when more than one is offered	O AN 1/20
X	SAC15	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80

Segment: **ITD** Terms of Sale/Deferred Terms of Sale
Position: 130
Loop:
Level: Heading
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 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

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
X	ITD01	336	Terms Type Code Code identifying type of payment terms 14 Previously agreed upon 21 Fast Pay Code indicating that an invoice is subject to accelerated payment	O ID 2/2
X	ITD02	333	Terms Basis Date Code Code identifying the beginning of the terms period 5 Invoice Receipt Date	O 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	O R 1/6
X	ITD04	370	Terms Discount Due Date Date payment is due if discount is to be earned	X 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	X N0 1/3
X	ITD06	446	Terms Net Due Date Date when total invoice amount becomes due	O DT 6/6
	ITD07	386	Terms Net Days Number of days until total invoice amount is due (discount not applicable)	O N0 1/3
X	ITD08	362	Terms Discount Amount Total amount of terms discount	O N2 1/10
X	ITD09	388	Terms Deferred Due Date Date deferred payment or percent of invoice payable is due	O DT 6/6
X	ITD10	389	Deferred Amount Due Deferred amount due for payment	X N2 1/10
X	ITD11	342	Percent of Invoice Payable Amount of invoice payable expressed in percent	X R 1/5
X	ITD12	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80
X	ITD13	765	Day of Month The numeric value of the day of the month between 1 and the maximum day of the month being referenced	X N0 1/2
X	ITD14	107	Payment Method Code Code identifying type of payment procedures	O ID 1/1
X	ITD15	954	Percent Percentage expressed as a decimal	O R 1/10

Segment: **DTM** Date/Time Reference
Position: 150
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: 1 At least one of DTM02 DTM03 or DTM06 is required.
2 If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 996 Required Delivery A date on which or before, ordered goods or services must be delivered	M ID 3/3
>>	DTM02	373	Date Date (YYMMDD)	X DT 6/6
X	DTM03	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
X	DTM04	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow CT Central Time ET Eastern Time GM Greenwich Mean Time LT Local Time MT Mountain Time PT Pacific Time	O ID 2/2
	DTM05	624	Century The first two characters in the designation of the year (CCYY)	O N0 2/2
X	DTM06	1250	Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 2/3
X	DTM07	1251	Date Time Period Expression of a date, a time, or range of dates, times or dates and times	X AN 1/35

Segment: **LDT** Lead Time
Position: 160
Loop:
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify lead time for availability of products and services
Syntax Notes:
Semantic Notes: 1 LDT04 is the effective date of lead time information.
Comments: 1 LDT02 is the quantity of unit of time periods.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	LDT01	345	Lead Time Code Code indicating the time range AY From Date of Award to Date of Delivery	M ID 2/2
>>	LDT02	380	Quantity Numeric value of quantity	M R 1/15
>>	LDT03	344	Unit of Time Period or Interval Code indicating the time period or interval DA Calendar Days	M ID 2/2
X	LDT04	373	Date Date (YYMMDD)	O DT 6/6

Segment: **PID** Product/Item Description
Position: 190
Loop:
Level: Heading
Usage: Optional
Max Use: 200
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:

- 1 If PID04 is present, then PID03 is required.
- 2 At least one of PID04 or PID05 is required.
- 3 If PID07 is present, then PID03 is required.
- 4 If PID08 is present, then PID03 is required.

Semantic Notes:

- 1 Use PID03 to indicate the organization that publishes the code list being referred to.
- 2 PID04 should be used for industry-specific product description codes.
- 3 PID08 describes the physical characteristics of the product identified in PID04. A ``Y" indicates that the specified attribute applies to this item. A ``N" indicates it does not apply. Any other value is indeterminate.

Comments:

- 1 If PID01 = ``F", then PID05 is used. If PID01 = ``S", then PID04 is used. If PID01 = ``X", then both PID04 and PID05 are used.
- 2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
- 3 PID07 specifies the individual code list of the agency specified in PID03.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
>>	PID01	349	Item Description Type Code indicating the format of a description F Free-form	M ID 1/1
X	PID02	750	Product/Process Characteristic Code Code identifying the general class of a product or process characteristic	O ID 2/3
X	PID03	559	Agency Qualifier Code Code identifying the agency assigning the code values	X ID 2/2
X	PID04	751	Product Description Code A code from an industry code list which provides specific data about a product characteristic	X AN 1/12
	PID05	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80
X	PID06	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described	O ID 2/2
X	PID07	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O AN 1/15
X	PID08	1073	Yes/No Condition or Response Code Code indicating a Yes or No condition or response	O ID 1/1

Segment: **AMT** Monetary Amount
Position: 287
Loop: AMT Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	AMT01	522	Amount Qualifier Code Code to qualify amount KC Obligated An amount a party has an obligation to pay upon a successful performance by another party, (e.g., funds obligated on a contract)	M ID 1/2
>>	AMT02	782	Monetary Amount Monetary amount	M R 1/15
X	AMT03	478	Credit/Debit Flag Code Code indicating whether amount is a credit or debit	O ID 1/1

Segment: **AT** **Financial Accounting**
Position: 288
Loop: AMT Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit financial accounting data
Syntax Notes: 1 If AT10 is present, then AT01 is required.
Semantic Notes:
Comments: 1 AT09 identifies unique local activity financial accounting information.

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
X	AT01	1271	Industry Code Code indicating a code from a specific industry code list	X AN 1/20
>>	AT02	1282	Treasury Symbol Number Number identifying a department, fiscal year, treasury account number, and appropriation limit for a standard accounting classification coding structure	O AN 7/21
X	AT03	1283	Budget Activity Number Number identifying an administrative subdivision of funds against which a transaction is to be charged for a standard accounting classification coding structure	O AN 1/16
X	AT04	1284	Object Class Number Number identifying the nature of the goods or services acquired and a specific office or organization using resources for a standard accounting classification coding structure	O AN 3/12
X	AT05	1285	Reimbursable Source Number Number identifying the source of an appropriation or fund reimbursement for a standard accounting classification coding structure	O AN 1/3
X	AT06	1286	Transaction Reference Number Number identifying an original request for goods and services to the matching financial transaction for a standard accounting classification coding structure	O AN 4/20
>>	AT07	1287	Accountable Station Number Number identifying an office responsible for entering a financial transaction into the applicable accounting system for a standard accounting classification coding structure	O AN 3/8
X	AT08	1288	Paying Station Number Number identifying an office responsible for making a payment or collection and the corresponding voucher number under which the action was taken for a standard accounting classification coding structure	O AN 8/14
>>	AT09	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80
X	AT10	1270	Code List Qualifier Code Code identifying a specific industry code list	O ID 1/3

Segment: **REF** Reference Numbers
Position: 289
Loop: AMT Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	REF01	128	Reference Number Qualifier Code qualifying the Reference Number. AX Government Accounting Class Reference Number (ACRN)	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.	X AN 1/30
X	REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80

Segment: N9 Reference Number
Position: 290
Loop: N9 Optional
Level: Heading
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.
 2 If N906 is present, then N905 is required.
Semantic Notes: 1 N906 reflects the time zone which the time reflects.
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
>> N901	128	Reference Number Qualifier Code qualifying the Reference Number.	M ID 2/2
		CJ Clause Number Indicates a local purchasing activity clause. The activity issuing the clause is identified in N903.	
		DF Defense Federal Acquisition Regulations (DFAR)	
		DX Department/Agency Number Indicates an Agency (i.e. Defense Logistics Agency) clause. The agency issuing the clause is identified in N903.	
		FA Federal Acquisition Regulations (FAR)	
		K7 Paragraph Number Identifies a clause included in the Master Solicitation. The applicable Master Solicitation will be identified using qualifier KZ.	
		KD Special Instructions Number	
		KY Site Specific Procedures, Terms, and Conditions A set of procedures, terms, and conditions, applicable to a category of procurement emanating from a specific location, which will be incorporated into all procurement actions in that category by referencing its unique number rather than by incorporating the lengthy details it represents	
		KZ Master Solicitation Procedures, Terms, and Conditions A set of standard procedures, terms, and conditions, applicable to a category of procurement, which will be incorporated into all procurement actions in that category by referencing its unique number rather than by incorporating the lengthy details it represents	
N902	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30
N903	369	Free-form Description Free-form descriptive text	X AN 1/45
N904	373	Date Date (YYMMDD)	O DT 6/6
X N905	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds	X TM 4/8

Segment: **MSG** Message Text
Position: 300
Loop: N9 Optional
Level: Heading
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>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264
X	MSG02	934	Printer Carriage Control Code A field to be used for the control of the line feed of the receiving printer	O ID 2/2

Segment: **N1** Name
Position: 310
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

Data Element Summary

Ref.	Data Element	Name	Attributes
>>	N101	Entity Identifier Code	M ID 2/2
		Code identifying an organizational entity, a physical location, or an individual	
	31	Postal Mailing Address	Identifies the Parcel Post Address when it is different from the Freight Shipping Address.
	61	Performed At	The facility where work was performed Use to indicate additional places of performance, if applicable.
	7M	Inspection and Acceptance Location	Used to indicate the inspection and acceptance point when both are at the same location but the location is neither at origin nor at destination.
	92	Support Party	The organization supporting the resolution of an investigation Used to indicate a secondary Contract Administration Office responsible for the inspection of supplies and packaging. If another 1/N1/310 loop is included with N101 code OI, then this code identifies the inspection agency for supplies only.
	AE	Additional Delivery Address	
	BY	Buying Party (Purchaser)	
	C4	Contract Administration Office	Established at either a contractor facility or in a geographic area, and responsible for administering on behalf of the buying activities that assigned contracts for administration and all contracts awarded to either the specific contractor or all contractors in the geographic area Used to indicate the office responsible for administering this award on behalf of the buying activity. Also, indicates the administration office responsible for the inspection of supplies and/or packaging unless an 1/N1/310 segment is included with code 92 or OI.
	CY	Country	Indicates the country to which a Foreign Military Sale applies. Cite "FMS" in N102 and cite the applicable two position ISO 3166 country code in N404.

KX	Free on Board Point	Use to indicate the FOB point when it has to be described by a specific address rather than as a code value indicating either origin or destination. Applicable when FOB02 is code KE or ZZ.
KZ	Acceptance Location	Used to indicate acceptance is at other than origin or destination and different from the inspection location.
L1	Inspection Location	Place where the item was viewed or inspected
		Used to indicate the inspection location when it has to be described as an address (neither origin nor destination) and it differs from the acceptance location.
OI	Outside Inspection Agency	Used to indicate the inspection agency for packaging is other than the Contract Administration Office (C4) or the inspection agency for supplies (92).
PL	Party to Receive Purchase Order	
PO	Party to Receive Invoice for Goods or Services	
PR	Payer	
RI	Remit To	Identifies the place where payment is to be sent. This address must identify a physical location not an electronic address (i.e. EFT address).
SE	Selling Party	
ST	Ship To	
X2	Party to Perform Packaging	A party responsible for packaging an item after it has been produced
		Used to indicate the place of inspection for packaging when it differs from the place of inspection for supplies.
Z7	Mark-for Party	The party for whom the needed material is intended

	N102	93	Name	X	AN 1/35
			Free-form name		
	N103	66	Identification Code Qualifier	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
		10	Department of Defense Activity Address Code (DODAAC)		
		33	Commercial and Government Entity (CAGE)		
	N104	67	Identification Code	X	AN 2/20
			Code identifying a party or other code		
X	N105	706	Entity Relationship Code	O	ID 2/2
			Code describing entity relationship		
X	N106	98	Entity Identifier Code	O	ID 2/2
			Code identifying an organizational entity, a physical location, or an individual		

Segment: N2 Additional Name Information
Position: 320
Loop: N1 Optional
Level: Heading
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>
>>	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: 330
Loop: N1 Optional
Level: Heading
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>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	N301	166	Address Information Address information	M AN 1/35
	N302	166	Address Information Address information	O AN 1/35

Segment: **N4 Geographic Location**
Position: 340
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the USA or Canada.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name Free-form text for city name	O AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/11
N404	26	Country Code Code identifying the country	O ID 2/3
N405	309	Location Qualifier Code identifying type of location AR Armed Services Location Designation Used to indicate an Army Post Office (APO) or Fleet Post Office (FPO).	X ID 1/2
N406	310	Location Identifier Code which identifies a specific location When N405 is AR, this element is used to cite the two letter APO or FPO identifier. AA Miami AE New York AP San Francisco	O AN 1/30

Segment: **PER Administrative Communications Contact**
Position: 360
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: >1
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:

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>> PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named	M ID 2/2
		AC Administrative Contracting Officer Used to indicate the Contract Administrator at the buying activity responsible for post award actions.	
		BD Buyer Name or Department	
		PC Purchasing Contracting Officer (PCO) Person to whom a warrant has been issued authorizing that person to obligate funds on behalf of the government Use in conjunction with N101 code BY to identify the Contracting Officer responsible for making the award.	
PER02	93	Name Free-form name	O AN 1/35
PER03	365	Communication Number Qualifier Code identifying the type of communication number	X ID 2/2
		EM Electronic Mail	
		FX Facsimile	
		TE Telephone	
PER04	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
PER05	365	Communication Number Qualifier Code identifying the type of communication number	X ID 2/2
		EM Electronic Mail	
		EX Telephone Extension	
		FX Facsimile	
PER06	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
PER07	365	Communication Number Qualifier Code identifying the type of communication number	X ID 2/2
		EM Electronic Mail	
		FX Facsimile	
PER08	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
PER09	443	Contact Inquiry Reference	O AN 1/20

Additional reference number or description to clarify a contact number

Segment: **LM** Code Source Information
Position: 430
Loop: LM Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit standard code list identification information
Syntax Notes:
Semantic Notes:
Comments: 1 LM02 identifies the applicable industry code list source information.

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
>>	LM01	559	Agency Qualifier Code Code identifying the agency assigning the code values DF Department of Defense (DoD)	M ID 2/2
X	LM02	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O AN 1/15

Segment: LQ Industry Code
Position: 440
Loop: LM Optional
Level: Heading
Usage: Mandatory
Max Use: >1
Purpose: Code to transmit standard industry codes
Syntax Notes: 1 If LQ01 is present, then LQ02 is required.
Semantic Notes:
Comments:

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
LQ01	1270	Code List Qualifier Code	O ID 1/3
		Code identifying a specific industry code list	
		2 Type of Business Code	
		The classification of a contractor's business	
		6 Special Contract Provision Code	
		Certain contract clauses and provisions that require special attention	
		A9 Supplementary Address	
		Identifies the originating organization's unique logistics information	
LQ02	1271	Industry Code	X AN 1/20
		Code indicating a code from a specific industry code list	

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

Position: 010

Loop: PO1 Mandatory

Level: Detail

Usage: Mandatory

Max Use: 1

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

Syntax Notes:

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

Semantic Notes:

Comments:

- 1 See the Data 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
PO101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Used to indicate the Contract Line Item Number (CLIN).	O AN 1/11
PO102	330	Quantity Ordered Quantity ordered	X R 1/9
PO103	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
PO104	212	Unit Price Price per unit of product, service, commodity, etc.	X R 1/17
PO105	639	Basis of Unit Price Code Code identifying the type of unit price for an item CA Catalog NC No Charge NS Not Separately Priced	O ID 2/2
PO106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) FS National Stock Number KM Shelf-Life Code MG Manufacturer's Part Number VP Vendor's (Seller's) Part Number	X ID 2/2
PO107	234	Product/Service ID Identifying number for a product or service	X AN 1/40
PO108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in	X ID 2/2

		Product/Service ID (234)		
		FS	National Stock Number	
		KM	Shelf-Life Code	
		MG	Manufacturer's Part Number	
		VP	Vendor's (Seller's) Part Number	
		ZB	Commercial and Government Entity (CAGE) Code	
			A code that identifies a commercial contractor authorized to do business with the U.S. government	
PO109	234	Product/Service ID		X AN 1/40
		Identifying number for a product or service		
PO110	235	Product/Service ID Qualifier		X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		FS	National Stock Number	
		MG	Manufacturer's Part Number	
		VP	Vendor's (Seller's) Part Number	
		ZB	Commercial and Government Entity (CAGE) Code	
			A code that identifies a commercial contractor authorized to do business with the U.S. government	
PO111	234	Product/Service ID		X AN 1/40
		Identifying number for a product or service		
PO112	235	Product/Service ID Qualifier		X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		MG	Manufacturer's Part Number	
		VP	Vendor's (Seller's) Part Number	
		ZB	Commercial and Government Entity (CAGE) Code	
			A code that identifies a commercial contractor authorized to do business with the U.S. government	
PO113	234	Product/Service ID		X AN 1/40
		Identifying number for a product or service		
PO114	235	Product/Service ID Qualifier		X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		MG	Manufacturer's Part Number	
		VP	Vendor's (Seller's) Part Number	
		ZB	Commercial and Government Entity (CAGE) Code	
			A code that identifies a commercial contractor authorized to do business with the U.S. government	
PO115	234	Product/Service ID		X AN 1/40
		Identifying number for a product or service		
PO116	235	Product/Service ID Qualifier		X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		MG	Manufacturer's Part Number	
		VP	Vendor's (Seller's) Part Number	
		ZB	Commercial and Government Entity (CAGE) Code	
			A code that identifies a commercial contractor authorized to do business with the U.S. government	
PO117	234	Product/Service ID		X AN 1/40
		Identifying number for a product or service		
PO118	235	Product/Service ID Qualifier		X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		

		MG	Manufacturer's Part Number		
		VP	Vendor's (Seller's) Part Number		
		ZB	Commercial and Government Entity (CAGE) Code		
			A code that identifies a commercial contractor authorized to do business with the U.S. government		
PO119	234	Product/Service ID		X	AN 1/40
			Identifying number for a product or service		
PO120	235	Product/Service ID Qualifier		X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		MG	Manufacturer's Part Number		
		VP	Vendor's (Seller's) Part Number		
		ZB	Commercial and Government Entity (CAGE) Code		
			A code that identifies a commercial contractor authorized to do business with the U.S. government		
PO121	234	Product/Service ID		X	AN 1/40
			Identifying number for a product or service		
PO122	235	Product/Service ID Qualifier		X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		MG	Manufacturer's Part Number		
		VP	Vendor's (Seller's) Part Number		
		ZB	Commercial and Government Entity (CAGE) Code		
			A code that identifies a commercial contractor authorized to do business with the U.S. government		
PO123	234	Product/Service ID		X	AN 1/40
			Identifying number for a product or service		
PO124	235	Product/Service ID Qualifier		X	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		
		ZB	Commercial and Government Entity (CAGE) Code		
			A code that identifies a commercial contractor authorized to do business with the U.S. government		
PO125	234	Product/Service ID		X	AN 1/40
			Identifying number for a product or service		

Segment: **PO3** Additional Item Detail
Position: 030
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
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.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	PO301	371	Change Reason Code Code specifying the reason for price or quantity change AQ Alternate Quantity and Unit of Measure	M ID 2/2
X	PO302	373	Date Date (YYMMDD)	O DT 6/6
X	PO303	236	Price Identifier Code Code identifying pricing specification Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 3/3
X	PO304	212	Unit Price Price per unit of product, service, commodity, etc.	O R 1/17
X	PO305	639	Basis of Unit Price Code Code identifying the type of unit price for an item Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 2/2
>>	PO306	380	Quantity Numeric value of quantity	M R 1/15
>>	PO307	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M ID 2/2
X	PO308	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80

Segment: **MEA** Measurements

Position: 049

Loop: PO1 Mandatory

Level: Detail

Usage: Optional

Max Use: 40

Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)

Syntax Notes: 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.

2 If MEA05 is present, then MEA04 is required.

3 If MEA06 is present, then MEA04 is required.

4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.

5 Only one of MEA08 or MEA03 may be present.

Semantic Notes: 1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

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>		
X	MEA01	737	Measurement Reference ID Code Code identifying the broad category to which a measurement applies SH Shipping Tolerance	O ID 2/2
	MEA02	738	Measurement Qualifier Code identifying a specific product or process characteristic to which a measurement applies PO Percent of Order (-, +) Expression of allowable variance of order expressed either as absolute (for example 92% to 110%) or relative percent (for example - 8% to + 10%)	O ID 1/3
X	MEA03	739	Measurement Value The value of the measurement	X R 1/20
	MEA04	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	X
>>	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken P1 Percent	M ID 2/2
X	C00102	1018	Exponent Power to which a unit is raised	O R 1/15
X	C00103	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
X	C00104	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
X	C00105	1018	Exponent Power to which a unit is raised	O R 1/15
X	C00106	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
X	C00107	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
X	C00108	1018	Exponent Power to which a unit is raised	O R 1/15
X	C00109	649	Multiplier	O R 1/10

			Value to be used as a multiplier to obtain a new value	
X	C00110	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
X	C00111	1018	Exponent Power to which a unit is raised	O R 1/15
X	C00112	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
X	C00113	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
X	C00114	1018	Exponent Power to which a unit is raised	O R 1/15
X	C00115	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
	MEA05	740	Range Minimum The value specifying the minimum of the measurement range	X R 1/20
	MEA06	741	Range Maximum The value specifying the maximum of the measurement range	X R 1/20
X	MEA07	935	Measurement Significance Code Code used to benchmark, qualify or further define a measurement value	O ID 2/2
X	MEA08	936	Measurement Attribute Code Code used to express an attribute response when a numeric measurement value cannot be determined	X ID 2/2
X	MEA09	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described	O ID 2/2
X	MEA10	1373	Measurement Method or Device The method or device used to record the measurement	X ID 2/4

Segment: **PID** Product/Item Description

Position: 050

Loop: PID Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To describe a product or process in coded or free-form format

Syntax Notes:

- 1 If PID04 is present, then PID03 is required.
- 2 At least one of PID04 or PID05 is required.
- 3 If PID07 is present, then PID03 is required.
- 4 If PID08 is present, then PID03 is required.

Semantic Notes:

- 1 Use PID03 to indicate the organization that publishes the code list being referred to.
- 2 PID04 should be used for industry-specific product description codes.
- 3 PID08 describes the physical characteristics of the product identified in PID04. A ``Y" indicates that the specified attribute applies to this item. A ``N" indicates it does not apply. Any other value is indeterminate.

Comments:

- 1 If PID01 = ``F", then PID05 is used. If PID01 = ``S", then PID04 is used. If PID01 = ``X", then both PID04 and PID05 are used.
- 2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
- 3 PID07 specifies the individual code list of the agency specified in PID03.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
>>	PID01	349	Item Description Type Code indicating the format of a description F Free-form	M ID 1/1
X	PID02	750	Product/Process Characteristic Code Code identifying the general class of a product or process characteristic	O ID 2/3
X	PID03	559	Agency Qualifier Code Code identifying the agency assigning the code values	X ID 2/2
X	PID04	751	Product Description Code A code from an industry code list which provides specific data about a product characteristic	X AN 1/12
	PID05	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80
X	PID06	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described	O ID 2/2
X	PID07	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O AN 1/15
X	PID08	1073	Yes/No Condition or Response Code Code indicating a Yes or No condition or response	O ID 1/1

Segment: **PO4** Item Physical Details
Position: 090
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
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.

Semantic Notes:
Comments:

- 1 PO403 - The "Unit of Measure Code" (Element #355) in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. Example: If the carton contains 24 12-Ounce packages, it would be described as follows: Element 356 = 24; Element 357 = 12; Element 355 = OZ.
- 2 PO413 defines the unit of measure for PO410, PO411, and PO412.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
PO401	356	Pack	O N0 1/6	Number of inner pack units per outer pack unit 1. Use to identify the unit pack quantity. 2. Cite the number 777777 to indicate a bulk quantity (MIL-STD 2073-2C code BLK). 3. Cite the number 888888 to indicate "Packager's option as long as all other requirements are met" (MIL-STD 2073-2C code YYY). 4. Cite the number 999999 to indicate "Special requirements - refer to supplemental data, special instructions or drawings provided" (MIL-STD 2073-2C code ZZZ).
X	PO402	357	Size	X R 1/8 Size of supplier units in pack
X	PO403	355	Unit or Basis for Measurement Code	X ID 2/2 Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
	PO404	103	Packaging Code	O AN 3/5 Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material INT Intermediate Container PAF Pallet - 4 Way A pallet that permits entry of handling equipment on each of its four sides PAT Pallet - 2 Way A pallet that permits entry of handling equipment on opposing two of its four sides SRW Shrink Wrap In packaging, a method of securing a unit load by placing a large "bag" of plastic film over the components and applying heat to induce shrinkage and

			cause the bag to tighten around the contents	
		UNT	Unit	
X	PO405	187	Weight Qualifier Code defining the type of weight	O ID 1/2
X	PO406	384	Gross Weight per Pack Numeric value of gross weight per pack	X R 1/9
X	PO407	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X ID 2/2
X	PO408	385	Gross Volume per Pack Numeric value of gross volume per pack	X R 1/9
X	PO409	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X ID 2/2
X	PO410	82	Length Largest horizontal dimension of an object measured when the object is in the upright position	O R 1/8
X	PO411	189	Width Shorter measurement of the two horizontal dimensions measured with the object in the upright position	O R 1/8
X	PO412	65	Height Vertical dimension of an object measured when the object is in the upright position	O R 1/8
X	PO413	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X ID 2/2
	PO414	810	Inner Pack Number of units in each selling pack	O N0 1/6
			1. Use to specify the quantity of unit containers in an intermediate container.	
			2. Cite the number 666666 to indicate "See appendix B, MIL-STD 2073-1B" (MIL-STD 2073-2C code AAA).	
			3. Cite the number 777777 to indicate "See method of preservation" (MIL-STD 2073-2C code XXX).	
			4. Cite the number 888888 to indicate "Packer's option as long as all other requirements are met" (MIL-STD 2073-2C code YYY)	
			5. Cite the number 999999 to indicate "Special requirements - see specific drawings or instructions provided" (MIL-STD 2073-2C code ZZZ).	

Segment: **REF** Reference Numbers
Position: 100
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	REF01	128	Reference Number Qualifier Code qualifying the Reference Number.	M ID 2/2
			2E Foreign Military Sales Case Number A reference number designating the foreign military sale records	
			IL Internal Order Number	
			P4 Project Code	
			PH Priority Rating	
			RQ Purchase Requisition No.	
			T4 Signal Code	
			Defense Fuel Supply Center to bill back fuel purchases to the appropriate service or agency account fund	
			TG Transportation Control Number (TCN)	
			XE Transportation Priority Number Number indicating the level of government priority associated with the transportation of a shipment	
	REF02	127	Reference Number	X AN 1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	
X	REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80

Segment: SAC Service, Promotion, Allowance, or Charge Information
Position: 130
Loop: SAC Optional
Level: Detail
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.

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.

Comments:

- 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
- 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to a "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
>>	SAC01	248 Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified	M ID 1/1
		A Allowance	
		C Charge	
		N No Allowance or Charge	
	SAC02	1300 Service, Promotion, Allowance, or Charge Code Code identifying the service, promotion, allowance, or charge	X ID 4/4
		D500 Handling	
		F150 Packaging Service	
		F560 Premium Transportation	
		I260 Transportation Direct Billing	
		ZZZZ Mutually Defined	
X	SAC03	559 Agency Qualifier Code Code identifying the agency assigning the code values Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 2/2
X	SAC04	1301 Agency Service, Promotion, Allowance, or Charge Code Agency maintained code identifying the service, promotion, allowance, or charge	X AN 1/10

	SAC05	610	Amount Monetary amount	O N2 1/15
	SAC06	378	Allowance/Charge Percent Qualifier Code indicating on what basis allowance or charge percent is calculated 5 Base Price per Unit Z Mutually Defined	X ID 1/1
	SAC07	332	Percent Percent expressed as a percent	X R 1/6
	SAC08	118	Rate Rate expressed in the standard monetary denomination for the currency specified	O R 1/9
	SAC09	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X ID 2/2
	SAC10	380	Quantity Numeric value of quantity	X R 1/15
	SAC11	380	Quantity Numeric value of quantity	O R 1/15
X	SAC12	331	Allowance or Charge Method of Handling Code Code indicating method of handling for an allowance or charge Refer to 003050 Data Element Dictionary for acceptable code values.	O ID 2/2
	SAC13	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30
X	SAC14	770	Option Number A unique number identifying available promotion or allowance options when more than one is offered	O AN 1/20
X	SAC15	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80

Segment: **FOB** F.O.B. Related Instructions
Position: 180
Loop: PO1 Mandatory
Level: Detail
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.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
>>	FOB01	146 Shipment Method of Payment Code identifying payment terms for transportation charges	M ID 2/2
		BP Paid by Buyer The buyer agrees to the transportation payment term requiring the buyer to pay transportation charges to a specified location (origin or destination location) Used to indicate a Government Bill of Lading (GBL) will be issued.	
		PP Prepaid (by Seller) Used to indicate transportation charges are not included in the unit price but are to be prepaid and added as a separate item on the invoice.	
		PS Paid by Seller The seller agrees to the transportation payment term requiring the seller to pay transportation charges to a specified location (origin or destination location) Used to indicate transportation charges are included in the unit price.	
>>	FOB02	309 Location Qualifier Code identifying type of location Used to identify the FOB point.	X ID 1/2
		DE Destination (Shipping)	
		KE Port of Embarkation	
		OR Origin (Shipping Point)	
		ZZ Mutually Defined Used to indicate an Other FOB point, i.e., neither at origin nor at destination. Provide the address in the 2/N1/350 loop, citing code KX in N101.	
X	FOB03	352 Description A free-form description to clarify the related data elements and their content	O AN 1/80
X	FOB04	334 Transportation Terms Qualifier Code Code identifying the source of the transportation terms	O ID 2/2
X	FOB05	335 Transportation Terms Code Code identifying the trade terms which apply to the shipment transportation responsibility	X ID 3/3
	FOB06	309 Location Qualifier	X ID 1/2

Code identifying type of location

Used to identify the acceptance point. Also identifies the inspection location unless N101 in the 2/N1/350 loop is Code L1.

DE Destination (Shipping)
 OR Origin (Shipping Point)
 ZZ Mutually Defined

Used to indicate the acceptance point is neither at origin nor at destination.

When both the acceptance and inspection points are the same location but neither origin nor destination, use the 2/N1/350 loop, citing code 7M in N101.

When both the acceptance and inspection points are at different locations but neither are origin nor destination, use the 2/N1/350 loop to provide the acceptance point address, citing code KZ in N101 and the inspection point in another iteration of the N1 loop, citing code L1 in N101.

X	FOB07	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80
X	FOB08	54	Risk of Loss Qualifier Code specifying where responsibility for risk of loss passes	O ID 2/2
X	FOB09	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80

Segment: **PKG** Marking, Packaging, Loading
Position: 300
Loop: PKG Optional
Level: Detail
Usage: Optional
Max Use: 1
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 = ``F", then PKG05 is used. If PKG01 = ``S", then PKG04 is used. If PKG01 = ``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).

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
PKG01	349	Item Description Type Code indicating the format of a description F Free-form S Structured (From Industry Code List) X Semi-structured (Code and Text)	X ID 1/1
PKG02	753	Packaging Characteristic Code Code specifying the marking, packaging, loading and related characteristics being described CD Cleaning or Drying Procedure CT Cushioning Thickness CUD Cushioning and Dunnage HM Hazardous Material IC Intermediate Container LP Level Of Preservation OPI Optional Procedure Indicator PK Packing PM Preservation Method PML Preservation Material SMK Special Marking UC Unit Container UCL Unit Container Level WM Wrapping Material	O ID 1/5
PKG03	559	Agency Qualifier Code Code identifying the agency assigning the code values DF Department of Defense (DoD)	X ID 2/2
PKG04	754	Packaging Description Code A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product The actual codes associated with the packaging characteristic codes cited in PKG02 can be found in Code Source List 197 (MIL-STD-2073-2C).	X AN 1/7
PKG05	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80
X PKG06	400	Unit Load Option Code	X ID 2/2

Code identifying loading or unloading a shipment

Segment: **LS** Loop Header
Position: 320
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To indicate that the next segment begins a loop
Syntax Notes:
Semantic Notes: 1 One loop may be nested contained within another loop, provided the inner nested loop terminates before the outer loop. When specified by the standard setting body as mandatory, this segment in combination with "LE", must be used. It is not to be used if not specifically set forth for use. The loop identifier in the loop header and trailer must be identical. The value for the identifier is the loop ID of the required loop segment. The loop ID number is given on the transaction set diagram in the appropriate ASC X12 version/release.
Comments: 1 See Figures Appendix for an explanation of the use of the LS and LE segments.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
>> LS01	447	Loop Identifier Code	M AN 1/4

The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE

Segment: **LDT** Lead Time
Position: 321
Loop: LDT Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify lead time for availability of products and services
Syntax Notes:
Semantic Notes: 1 LDT04 is the effective date of lead time information.
Comments: 1 LDT02 is the quantity of unit of time periods.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	LDT01	345	Lead Time Code Code indicating the time range AH From Date of Receipt of First Article to First Article Approval AY From Date of Award to Date of Delivery	M ID 2/2
>>	LDT02	380	Quantity Numeric value of quantity	M R 1/15
>>	LDT03	344	Unit of Time Period or Interval Code indicating the time period or interval DA Calendar Days	M ID 2/2
X	LDT04	373	Date Date (YYMMDD)	O DT 6/6

Segment: **LE** Loop Trailer
Position: 327
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To indicate that the loop immediately preceding this segment is complete
Syntax Notes:
Semantic Notes: 1 One loop may be nested contained within another loop, provided the inner nested loop terminates before the other loop. When specified by the standards setting body as mandatory, this segment in combination with "LS", must be used. It is not to be used if not specifically set forth for use. The loop identifier in the loop header and trailer must be identical. The value for the identifier is the loop ID of the required loop beginning segment. The loop ID number is given on the transaction set diagram in the appropriate ASC X12 version/release.
Comments: 1 See Figures Appendix for an explanation of the use of the LE and LS segments.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
>>	<u>Element</u> LE01	<u>447</u> Loop Identifier Code	M AN 1/4
		The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE	

Segment: N9 Reference Number

Position: 330

Loop: N9 Optional

Level: Detail

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.

2 If N906 is present, then N905 is required.

Semantic Notes: 1 N906 reflects the time zone which the time reflects.

Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	N901	128	Reference Number Qualifier Code qualifying the Reference Number. KD Special Instructions 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.	X AN 1/30
	N903	369	Free-form Description Free-form descriptive text	X AN 1/45
X	N904	373	Date Date (YYMMDD)	O DT 6/6
X	N905	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
X	N906	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O ID 2/2

Segment: **MSG** Message Text
Position: 340
Loop: N9 Optional
Level: Detail
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>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264
X	MSG02	934	Printer Carriage Control Code A field to be used for the control of the line feed of the receiving printer Refer to 003050 Data Element Dictionary for acceptable code values.	O ID 2/2

Segment: **N1** Name
Position: 350
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

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

Semantic Notes:
Comments:

- 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
- 2 N105 and N106 further define the type of entity in N101.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Entity Identifier Code</u>	<u>M ID 2/2</u>
>>	N101	98	Code identifying an organizational entity, a physical location, or an individual
		31	Postal Mailing Address Identifies the Parcel Post address when it is different from the Freight address.
		61	Performed At The facility where work was performed Indicates the place of performance when it is other than the contractor's mailing address.
		7M	Inspection and Acceptance Location Used to indicate the inspection and acceptance point when both are at the same location but the location is neither at origin nor at destination.
		92	Support Party The organization supporting the resolution of an investigation Used to indicate a secondary Contract Administration Office responsible for the inspection of supplies and packaging. If another 1/N1/310 loop is included with N101 code OI, then this code identifies the inspection agency for supplies only.
		AE	Additional Delivery Address
		CY	Country Use to indicate the country to which a Foreign Military Sale applies. Cite "FMS" in N102 and cite the applicable two position ISO country code in N404.
		KX	Free on Board Point Use to indicate the FOB point when it has to be described by a specific address rather than as a code value indicating either origin or destination. Applicable when FOB02 is code KE or ZZ.
		KZ	Acceptance Location Used to indicate acceptance is at other than origin or destination and different from the inspection location.
		L1	Inspection Location Place where the item was viewed or inspected Used to indicate the inspection location when it has to be described as an address (neither origin nor destination) and it differs from the acceptance location.

OI	Outside Inspection Agency
	Used to indicate the inspection agency for packaging is other than the Contract Administration Office (C4) or the inspection agency for supplies (92).
PN	Party to Receive Shipping Notice
ST	Ship To
X2	Party to Perform Packaging
	A party responsible for packaging an item after it has been produced
	Use to indicate the Place of Inspection for Packaging.
Z7	Mark-for Party
	The party for whom the needed material is intended

	N102	93	Name	X	AN 1/35
			Free-form name		
	N103	66	Identification Code Qualifier	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
		10	Department of Defense Activity Address Code (DODAAC)		
		33	Commercial and Government Entity (CAGE)		
	N104	67	Identification Code	X	AN 2/20
			Code identifying a party or other code		
X	N105	706	Entity Relationship Code	O	ID 2/2
			Code describing entity relationship		
X	N106	98	Entity Identifier Code	O	ID 2/2
			Code identifying an organizational entity, a physical location, or an individual		

Segment: N2 Additional Name Information
Position: 360
Loop: N1 Optional
Level: Detail
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
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
>> 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: 370
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	N301	166	Address Information Address information	M AN 1/35
	N302	166	Address Information Address information	O AN 1/35

Segment: **N4 Geographic Location**
Position: 380
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the USA or Canada.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name Free-form text for city name	O AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/11
N404	26	Country Code Code identifying the country	O ID 2/3
N405	309	Location Qualifier Code identifying type of location AR Armed Services Location Designation	X ID 1/2
N406	310	Location Identifier Code which identifies a specific location When N405 is code AR, cite the two letter APO or FPO identifier (AA for Miami, AE for New York, AP for San Francisco). AA Miami AE New York AP San Francisco	O AN 1/30

Segment: **AMT** Monetary Amount
Position: 600
Loop: AMT Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	AMT01	522	Amount Qualifier Code Code to qualify amount 1 Line Item Total	M ID 1/2
>>	AMT02	782	Monetary Amount Monetary amount	M R 1/15
X	AMT03	478	Credit/Debit Flag Code Code indicating whether amount is a credit or debit	O ID 1/1

Segment: **REF** Reference Numbers
Position: 610
Loop: AMT Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	REF01	128	Reference Number Qualifier Code qualifying the Reference Number. AX Government Accounting Class Reference Number (ACRN)	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.	X AN 1/30
X	REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80

Segment: **LM** Code Source Information
Position: 620
Loop: LM Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit standard code list identification information
Syntax Notes:
Semantic Notes:
Comments: 1 LM02 identifies the applicable industry code list source information.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	LM01	559	Agency Qualifier Code Code identifying the agency assigning the code values DF Department of Defense (DoD)	M ID 2/2
X	LM02	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O AN 1/15

Segment: **LQ** Industry Code
Position: 630
Loop: LM Optional
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: Code to transmit standard industry codes
Syntax Notes: 1 If LQ01 is present, then LQ02 is required.
Semantic Notes:
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
LQ01	1270	Code List Qualifier Code Code identifying a specific industry code list A9 Supplementary Address Identifies the originating organization's unique logistics information	O ID 1/3
LQ02	1271	Industry Code Code indicating a code from a specific industry code list	X AN 1/20

Segment: **CTT Transaction Totals**
Position: 010
Loop:
Level: Summary
Usage: Mandatory
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. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	CTT01	354	Number of Line Items Total number of line items in the transaction set	M N0 1/6
	CTT02	347	Hash Total Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.	O R 1/10
X	CTT03	81	Weight Numeric value of weight	X R 1/10
X	CTT04	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X ID 2/2
X	CTT05	183	Volume Value of volumetric measure	X R 1/8
X	CTT06	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X ID 2/2
X	CTT07	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80

Segment: **AMT** Monetary Amount
Position: 020
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	AMT01	522	Amount Qualifier Code Code to qualify amount TT Total Transaction Amount	M ID 1/2
>>	AMT02	782	Monetary Amount Monetary amount	M R 1/15
X	AMT03	478	Credit/Debit Flag Code Code indicating whether amount is a credit or debit	O ID 1/1

Segment: **SE** Transaction Set Trailer
Position: 030
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

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