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Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003050 Transaction Set 840
Request for Quotation (Revision 1)

Implementation Convention



U.S. DEPARTMENT OF COMMERCE
Technology Administration
National Institute of
Standards and Technology

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¹At Boulder, CO 80303.

²Some elements at Boulder, CO.

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Electronic Commerce Acquisition Program Management Office
Standard Management Committee - Secretariat
National Institute of Standards and Technology
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U.S. DEPARTMENT OF COMMERCE
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The National Institute of Standards and Technology (NIST)'s Information Technology Laboratory (ITL) develops standards and guidelines, provides technical assistance, and conducts research for computers and resources. As part of the overall federal effort to establish a single face to industry for conducting electronic commerce, ITL has been designated as the organization responsible for coordinating the development of Federal Implementation Conventions (ICs) for Electronic Data Interchange (EDI). ICs are defined by functional-area experts who create and select options from standard EDI Transaction Sets to yield the implementations to be used for practical EDI. These ICs are made available to federal agencies and industry by electronic means and this Special Publication Series.

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840 Request for Quotation

Functional Group ID=**RQ**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Request for Quotation Transaction Set (840) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide potential buyers with the ability to solicit price, delivery schedule, and other items from potential sellers of goods and services.

Heading:

	Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u>	Req. <u>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	BQT	Beginning Segment for Request for Quotation	M	1		
Not Used	030	NTE	Note/Special Instruction	F	100		
	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	3		
	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		
	110	CSH	Header Sale Condition	O	25		
	120	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
Not Used	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
Not Used	140	DIS	Discount Detail	O	20		
	150	DTM	Date/Time Reference	O	10		
	160	LDT	Lead Time	O	12		
Not Used	180	LIN	Item Identification	O	5		n1
	190	PID	Product/Item Description	O	200		
	200	MEA	Measurements	O	40		
	210	PWK	Paperwork	O	25		
	220	PKG	Marking, Packaging, Loading	O	200		
Not Used	230	TD1	Carrier Details (Quantity and Weight)	O	2		
	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	250	TD3	Carrier Details (Equipment)	O	12		
	260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
	270	MAN	Marks and Numbers	O	10		
	280	RRA	Required Response	O	100		
LOOP ID - N9						1000	
	290	N9	Reference Number	O	1		
	300	MSG	Message Text	O	1000		
LOOP ID - N1						10000	
	310	N1	Name	O	1		

840 - Request for Quotation

	320	N2	Additional Name Information	O	2
	330	N3	Address Information	O	2
	340	N4	Geographic Location	O	>1
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
	390	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	400	TD3	Carrier Details (Equipment)	O	12
	410	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
	420	PKG	Marking, Packaging, Loading	O	200
Not Used	430	RRA	Required Response	O	25

LOOP ID - SPI

1

	440	SPI	Specification Identifier	O	1
	450	REF	Reference Numbers	O	5
	460	DTM	Date/Time Reference	O	5
	470	MSG	Message Text	O	50

LOOP ID - N1

20

	490	N1	Name	O	1
	500	N2	Additional Name Information	O	2
	510	N3	Address Information	O	2
	520	N4	Geographic Location	O	1
Not Used	530	REF	Reference Numbers	O	20
	540	G61	Contact	O	1
	550	MSG	Message Text	O	50

LOOP ID - CBI

>1

	560	CB1	Contract and Cost Accounting Standards Data	O	1
	570	REF	Reference Numbers	O	20
	580	DTM	Date/Time Reference	O	5
	590	LDT	Lead Time	O	1
	600	MSG	Message Text	O	50

Detail:

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>	<u>Notes and</u> <u>Comments</u>
			LOOP ID - PO1			100000	
Must Use	010	PO1	Baseline Item Data	M	1		
Not Used	020	CUR	Currency	O	1		
	025	CN1	Contract Information	O	1		
	030	PO3	Additional Item Detail	O	25		
	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		
	070	PWK	Paperwork	O	25		

840 - Request for Quotation

	080	PKG	Marking, Packaging, Loading	O	200
	090	PO4	Item Physical Details	O	>1
	100	REF	Reference Numbers	O	>1
	110	PER	Administrative Communications Contact	O	3
	130	SAC	Service, Promotion, Allowance, or Charge Information	O	25
	140	IT8	Conditions of Sale	O	25
Not Used	150	ITD	Terms of Sale/Deferred Terms of Sale	O	2
Not Used	160	DIS	Discount Detail	O	20
Not Used	170	TAX	Tax Reference	O	3
	180	FOB	F.O.B. Related Instructions	O	>1
	190	SDQ	Destination Quantity	O	50
	200	DTM	Date/Time Reference	O	10
Not Used	230	FST	Forecast Schedule	O	>1
Not Used	240	TD1	Carrier Details (Quantity and Weight)	O	1
	250	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	260	TD3	Carrier Details (Equipment)	O	12
	270	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
	280	MAN	Marks and Numbers	O	10
	290	RRA	Required Response	O	25
	295	MSG	Message Text	O	1000
	296	SPI	Specification Identifier	O	>1
LOOP ID - SCH					104
	297	SCH	Line Item Schedule	O	1 n2
Not Used	298	TD1	Carrier Details (Quantity and Weight)	O	2
Not Used	299	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	300	TD3	Carrier Details (Equipment)	O	12
Not Used	301	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
LOOP ID - LDT					>1
	302	LDT	Lead Time	O	1
	303	QTY	Quantity	O	>1
	304	MSG	Message Text	O	1
LOOP ID - LM					1
	305	LM	Code Source Information	O	1
Must Use	306	LQ	Industry Code	M	1
LOOP ID - SLN					1000
Not Used	308	SLN	Subline Item Detail	O	1
Not Used	310	PID	Product/Item Description	O	1000
LOOP ID - N9					1000
	320	N9	Reference Number	O	1
	330	MSG	Message Text	O	1000
LOOP ID - N1					>1
	340	N1	Name	O	1
	350	N2	Additional Name Information	O	2
	360	N3	Address Information	O	2
	370	N4	Geographic Location	O	1
Not Used	380	REF	Reference Numbers	O	12

840 - Request for Quotation

	390	PER	Administrative Communications Contact	O	3
Not Used	400	FOB	F.O.B. Related Instructions	O	1
	405	SCH	Line Item Schedule	O	200
Not Used	410	TD1	Carrier Details (Quantity and Weight)	O	2
	420	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	430	TD3	Carrier Details (Equipment)	O	12
	440	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
	450	PKG	Marking, Packaging, Loading	O	200
Not Used	460	RRA	Required Response	O	25
Not Used	465	CTP	Pricing Information	O	1
Not Used	469	PAM	Period Amount	O	10
LOOP ID - LDT					>1
	470	LDT	Lead Time	O	1
	480	MAN	Marks and Numbers	O	10
	490	QTY	Quantity	O	5
	500	MSG	Message Text	O	1000

Summary:

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>	<u>Notes and</u> <u>Comments</u>
Must Use	010	CTT	Transaction Totals	M	1		n3
Must Use	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. If segment LIN is used, do not use LIN01.
2. 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.
3. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

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

Data Element Summary

	<u>Ref.</u> <u>Des.</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 840 X12.7 Request for Quotation	M ID 3/3
Must Use	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: **BQT** Beginning Segment for Request for Quotation
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a Request for Quotation Transaction Set and transmit identifying numbers and dates
Syntax Notes: 1 If either BQT04 or BQT05 is present, then the other is required.
Semantic Notes: 1 BQT03 is the date to be used for reference purposes in an RFQ and a response to RFQ.
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BQT01	353	Transaction Set Purpose Code Code identifying purpose of transaction set	M ID 2/2
			00 Original	
			01 Cancellation	
			02 Add	
			03 Delete	
			04 Change	
			05 Replace	
			07 Duplicate	
			14 Advance Notification	
			17 Cancel, to be Reissued	
			18 Reissue	
			22 Information Copy	
			24 Draft	
Must Use	BQT02	586	Request for Quote Reference Number Number assigned by the purchaser to identify his request for quote	M AN 1/45
Must Use	BQT03	373	Date Date (YYMMDD)	M DT 6/6
Not Used	BQT04	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	X ID 3/3
Not Used	BQT05	373	Date Date (YYMMDD)	X DT 6/6
	BQT06	92	Purchase Order Type Code Code specifying the type of Purchase Order	O ID 2/2
			KA Agreement	
			KB Blanket Purchase Agreement	
			A charge account established with qualified sources of supply to satisfy repetitive requirements	
			KC Contract	
			A legally binding document wherein one party agrees to provide supplies or services and another party agrees to provide compensation for the supplies or services	
			KD Basic Agreement	
			A written instrument of understanding that contemplates separate future contracts	
			KE Basic Ordering Agreement	

			A document which contains terms and conditions, a description of supplies or services to be provided and methods of pricing, issuing, and delivering orders under this agreement
		KG	Grant
		KI	Indefinite Delivery Indefinite Quantity
			A contract that provides for a minimum quantity and an indefinite maximum quantity within stated limits
		KN	Purchase Order
			Procurement instrument within the small purchasing threshold
		KQ	Indefinite Delivery Definite Quantity
			A contract that provides for delivery of a specified quantity over a fixed period of time to unspecified locations
		KR	Requirements
			A contract to provide all specified requirements of designated organizations for a fixed period of time
		KS	Letter Contract
		KT	Task Order
		LS	Lease
		RL	Release or Delivery Order
			An order for goods and services placed against a pre-existing contract or blanket order
BQT07	960	Request for Quote Type Code	O ID 2/2
		Code specifying the type of request for quote	
		01	Request For Quote
		03	Invitation for Bid
		04	Request for Proposal
		06	Amendment to Solicitation
		07	Request for Technical Proposal
		08	Request for Price Proposal
		09	Request for Information
		11	Broad Announcement
		BF	Best and Final
BQT08	1166	Contract Type Code	O ID 2/2
		Code identifying a contract type	
		CA	Cost Plus Incentive Fee (With Performance Incentives)
		CB	Cost Plus Incentive Fee (Without Performance Incentives)
		CH	Cost Sharing
		CS	Cost
		CW	Cost Plus Award Fee
		CX	Cost Plus Fixed Fee
		FB	Fixed Price Incentive Firm Target (With Performance Incentive)
		FC	Fixed Price Incentive Firm Target (Without Performance Incentive)
		FD	Fixed Price Redetermination
		FF	Fixed Price Incentive Successive Target (With Performance Incentive)
		FG	Fixed Price Incentive Successive Target (Without Performance Incentive)

FH	Fixed Price Award Fee
FJ	Fixed Price Level of Effort
FK	No Cost
FR	Firm Fixed Price
FX	Fixed Price with Economic Price Adjustment
LH	Labor Hours
TM	Time and Materials
ZZ	Mutually Defined

BQT09 786 Security Level Code O ID 2/2

Code indicating the level of confidentiality assigned by the sender to the information following

92	Government Confidential
93	Government Secret
94	Government Top Secret

BQT10 1232 Purchase Category O ID 2/2

Code identifying the broad category of products or services being acquired

AE	Architect and Engineering
CN	Construction
DR	Demolish, Dismantle or Replace
ER	Equipment Rental
IR	Inspect and Repair as Necessary
MD	Modification
OV	Overhaul
RD	Research and Development
RE	Repair
SB	Shipbuilding
SP	Supplies
SU	Subsistence
SV	Services
TE	Test and Evaluation
UT	Utilities

Segment:	CUR Currency
Position:	040
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:	1 If CUR08 is present, then CUR07 is required. 2 If CUR09 is present, then CUR07 is required. 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required. 4 If CUR11 is present, then CUR10 is required. 5 If CUR12 is present, then CUR10 is required. 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required. 7 If CUR14 is present, then CUR13 is required. 8 If CUR15 is present, then CUR13 is required. 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required. 10 If CUR17 is present, then CUR16 is required. 11 If CUR18 is present, then CUR16 is required. 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required. 13 If CUR20 is present, then CUR19 is required. 14 If CUR21 is present, then CUR19 is required.
Semantic Notes:	
Comments:	1 See Figures Appendix for examples detailing the use of the CUR segment.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	CUR01	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual C5 Party Submitting Quote A business entity submitting a quote; this entity may be the party who ultimately performs if an order is received, or the entity may be submitting the quote on behalf of another entity who will perform if an order is received	M ID 2/2
Must Use	CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified	M ID 3/3
Not Used	CUR03	280	Exchange Rate Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	O R 4/6
Not Used	CUR04	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual	O ID 2/2
	CUR05	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified	O ID 3/3
Not Used	CUR06	669	Currency Market/Exchange Code Code identifying the market upon which the currency exchange rate is based	O ID 3/3
Not Used	CUR07	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	X ID 3/3
Not Used	CUR08	373	Date Date (YYMMDD)	O DT 6/6
Not Used	CUR09	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)	O TM 4/8

Not Used	CUR10	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	X	ID 3/3
Not Used	CUR11	373	Date Date (YYMMDD)	X	DT 6/6
Not Used	CUR12	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
Not Used	CUR13	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	X	ID 3/3
Not Used	CUR14	373	Date Date (YYMMDD)	X	DT 6/6
Not Used	CUR15	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
Not Used	CUR16	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	X	ID 3/3
Not Used	CUR17	373	Date Date (YYMMDD)	X	DT 6/6
Not Used	CUR18	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
Not Used	CUR19	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	X	ID 3/3
Not Used	CUR20	373	Date Date (YYMMDD)	X	DT 6/6
Not Used	CUR21	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

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

Ref. Des.	Data Element	Name	Attributes
Must Use REF01	128	Reference Number Qualifier Code qualifying the Reference Number.	M ID 2/2
	16	Military Interdepartmental Purchase Request (MIPR) Number A specific form used to transmit obligation authority (dollars) and requirements between a service or agency requiring a purchase and a military service or agency responsible for procuring the requirement	
	2E	Foreign Military Sales Case Number A reference number designating the foreign military sale records	
	2S	Catalog	
	2Y	Wage Determination	
	73	Statement of Work (SOW) Description of a product or service to be procured under a contract; statement of requirements	
	97	Package Number A serial number indicating unit shipped	
	CT	Contract Number	
	DG	Drawing Number	
	DS	Defense Priorities Allocation System (DPAS) Priority Rating	
	IJ	Standard Industry Classification (SIC) Code	
	IL	Internal Order Number	
	IQ	End Item	
	IX	Item 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	
	LT	Lot Number	
	LX	Qualified Products List	
	NI	Military Standard (MIL-STD) Number	
	NJ	Technical Document Number	

NL	Technical Order Number
P4	Project Code
PH	Priority Rating
QC	Product Specification Document Number
	Model designation of replacement component
RQ	Purchase Requisition No.
RS	Returnable Container Serial Number
S2	Military Specification Number (MILSPEC)
S3	Specification Number
T4	Signal Code
	Defense Fuel Supply Center to bill back fuel purchases to the appropriate service or agency account fund
TN	Transaction Reference Number
TP	Test Specification Number
VW	Standard
W2	Weapon System Number
	Identifies a weapon system
W6	Federal Supply Schedule Number
	Identifies an item with a two-digit group number, two-digit part number, and one-character section letter
W8	Suffix
	Differentiates between partial actions taken on the original transaction
WK	Type of Science Code
XE	Transportation Priority Number
	Number indicating the level of government priority associated with the transportation of a shipment
ZZ	Mutually Defined

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.

REF03 **352** **Description** **X** **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:	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

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
Must Use	FOB01	146 Shipment Method of Payment	M ID 2/2
		Code identifying payment terms for transportation charges	
		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)	
		PE Prepaid and Summary Bill	
		PP Prepaid (by Seller)	
		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)	
	FOB02	309 Location Qualifier	X ID 1/2
		Code identifying type of location	
		DE Destination (Shipping)	
		FV Free Alongside Vessel (Free On Board [F.O.B.] Point)	
		IT Intermediate FOB Point	
		A location indicating the point of destination is not the origin or final destination but rather at some other point	
		KE Port of Embarkation	
		KL Port of Loading	
		OR Origin (Shipping Point)	
		W Worldwide Geographic Location Code	
		ZZ Mutually Defined	
Not Used	FOB03	352 Description	O AN 1/80
		A free-form description to clarify the related data elements and their content	
Not Used	FOB04	334 Transportation Terms Qualifier Code	O ID 2/2
		Code identifying the source of the transportation terms	
Not Used	FOB05	335 Transportation Terms Code	X ID 3/3
		Code identifying the trade terms which apply to the shipment transportation responsibility	
	FOB06	309 Location Qualifier	X ID 1/2

Code identifying type of location

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

Not Used	FOB07	352	Description	O	AN 1/80
			A free-form description to clarify the related data elements and their content		
Not Used	FOB08	54	Risk of Loss Qualifier	O	ID 2/2
			Code specifying where responsibility for risk of loss passes		
Not Used	FOB09	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements and their content		

Segment: **CSH** Header Sale Condition
Position: 110
Loop:
Level: Heading
Usage: Optional
Max Use: 25
Purpose: To specify general conditions or requirements of the sale
Syntax Notes: 1 If CSH02 is present, then CSH03 is required.
2 If either CSH06 or CSH07 is present, then the other is required.
Semantic Notes: 1 CSH03 is the maximum monetary amount value which the order must not exceed.
2 CSH04 is the account number to which the purchase amount is to be charged.
3 CSH05 is the date specified by the sender to be shown on the invoice.
4 CSH06 identifies the source of the code value in CSH07.
5 CSH09 is the percent of the Set-Aside.
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
CSH01	563	Sales Requirement Code	O ID 1/2
		Code to identify a specific requirement or agreement of sale	
		8A	Section (8a) Set-Aside
			A procurement reserved for disadvantaged business firms the provisions of Section 8(a) of the Small Business Act (15 U.S.C. 637 (a))
		BC	Restricted to Historically Black College or University or Minority Institution
		C	Consignment
		EI	Restricted to Educational Institutions
		GS	Guaranteed Sale
		IP	Restricted to Industrial Preparedness Program Participants
		IS	Substitute Item Allowed
		K	Small Purchase Set Aside for Small Businesses
			A procurement action that has been reserved for (set aside for) businesses classified as "small business"
		P	Large Purchase, Set-Aside for Small Business
		P2	Ship As Soon As Possible
		P4	Do Not Preship
		Q	Small, Disadvantaged Business Set-Aside
		QB	On Qualified Bidders List
		QM	On Qualified Manufacturers List
		QP	Restricted to Qualified Products List (QPL) Products
		SC	Ship Complete
		SV	Ship Per Release
		T	Small Business with Small, Disadvantaged Business Consideration Set-Aside
		UC	Restricted to U.S. and Canadian Sources
		UL	Other Unlisted Sales Condition
		UP	Unrestricted Procurement
		YI	Restricted to Young Investigator Program
		Z	Mutually Defined

840 - Request for Quotation

Not Used	CSH02	564	Do-Not-Exceed Action Code	O	ID 1/1
			Code indicating the action to be taken if the order amount exceeds the value of Do-Not-Exceed Amount (565)		
	CSH03	610	Amount	X	N2 1/15
			Monetary amount		
Not Used	CSH04	508	Account Number	O	AN 1/35
			Account number assigned		
Not Used	CSH05	373	Date	O	DT 6/6
			Date (YYMMDD)		
	CSH06	559	Agency Qualifier Code	X	ID 2/2
			Code identifying the agency assigning the code values		
			AX ANSI Accredited Standards Committee, X12		
	CSH07	560	Special Services Code	X	ID 2/10
			Code identifying the special service		
			PL Palletizing		
			S0050 Special Packaging		
	CSH08	566	Product/Service Substitution Code	O	ID 1/2
			Code indicating product or service substitution conditions		
			A No Quantity or Unit of Measure Change Allowed		
			B0 No Substitution Allowed		
			X Equivalent Item Substitution		
			Y Alternate Item Substitution Allowed		
	CSH09	954	Percent	O	R 1/10
			Percentage expressed as a decimal		

Segment:	SAC Service, Promotion, Allowance, or Charge Information
Position:	120
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	25
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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SAC01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified R Allowance Request	M ID 1/1
	SAC02	1300	Service, Promotion, Allowance, or Charge Code Code identifying the service, promotion, allowance, or charge Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 4/4
Not Used	SAC03	559	Agency Qualifier Code Code identifying the agency assigning the code values	X ID 2/2
Not Used	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code Agency maintained code identifying the service, promotion, allowance, or charge	X AN 1/10
Not Used	SAC05	610	Amount Monetary amount	O N2 1/15
Not Used	SAC06	378	Allowance/ Charge Percent Qualifier Code indicating on what basis allowance or charge percent is calculated	X ID 1/1
Not Used	SAC07	332	Percent	X R 1/6

			Percent expressed as a percent		
Not Used	SAC08	118	Rate	O	R 1/9
			Rate expressed in the standard monetary denomination for the currency specified		
Not Used	SAC09	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		
Not Used	SAC10	380	Quantity	X	R 1/15
			Numeric value of quantity		
Not Used	SAC11	380	Quantity	O	R 1/15
			Numeric value of quantity		
Not Used	SAC12	331	Allowance or Charge Method of Handling Code	O	ID 2/2
			Code indicating method of handling for an allowance or charge		
Not Used	SAC13	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.		
Not Used	SAC14	770	Option Number	O	AN 1/20
			A unique number identifying available promotion or allowance options when more than one is offered		
Not Used	SAC15	352	Description	O	AN 1/80
			A free-form description to clarify the related data elements and their content		

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

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	DTM01	374 Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		002 Delivery Requested	
		007 Effective	
		017 Estimated Delivery	
		063 Do Not Deliver After	
		064 Do Not Deliver Before	
		077 Requested for Delivery (Week of)	
		099 Bid Open (Date Bids Will Be Opened)	
		106 Required By	
		174 Month Ending	
		193 Period Start	
		194 Period End	
		368 Submittal	
		Date an item was submitted to a customer	
		375 Delivery Start	
		The date that deliveries will begin	
		376 Delivery End	
		The date that deliveries will end	
		565 Date of Property Inspection	
		644 Meeting	
		937 Department of Labor Wage Determination Date	
		996 Required Delivery	
		A date on which or before, ordered goods or services must be delivered	
		997 Quote to be Recieved By	
		A date on which or before a quote must be received at a location specified in an RFQ	
DTM02	373	Date	X DT 6/6
		Date (YYMMDD)	
DTM03	337	Time	X TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
DTM04	623	Time Code	O ID 2/2

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

CT	Central Time
ET	Eastern Time
GM	Greenwich Mean Time
LT	Local Time
MT	Mountain Time
PT	Pacific Time

DTM05	624	Century	O	N0 2/2
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The first two characters in the designation of the year (CCYY)

DTM06	1250	Date Time Period Format Qualifier	X	ID 2/3
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Code indicating the date format, time format, or date and time format

Refer to 003050 Data Element Dictionary for acceptable code values.

DTM07	1251	Date Time Period	X	AN 1/35
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Expression of a date, a time, or range of dates, times or dates and times

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

Ref. Des.	Data Element	Name	Attributes
Must Use LDT01	345	Lead Time Code Code indicating the time range	M ID 2/2
		AD From date of sample approval to first product shipment	
		AI From Date of a Specified Event to Delivery	
		AT From Bid Opening to Expiration of Bid	
		AU From Required-By Date to Expiration Date	
		AV From Date of Award to Date of Latest Delivery	
		AW From Date of Award to Date of Earliest Delivery	
		AX From Date of Award to Date of Completion	
		AY From Date of Award to Date of Delivery	
		AZ From Date of Receipt of Item to Date of Approval of Item	
Must Use LDT02	380	Quantity Numeric value of quantity	M R 1/15
Must Use LDT03	344	Unit of Time Period or Interval Code indicating the time period or interval	M ID 2/2
		CY Calendar Year	
		DA Calendar Days	
		KK Maximum Calendar Days	
		MO Month	
		QY Quarter of a Year	
		SA Semiannual	
		WK Weeks	
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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PID01	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)	M ID 1/1
	PID02	750	Product/Process Characteristic Code Code identifying the general class of a product or process characteristic Refer to 003050 Data Element Dictionary for acceptable code values.	O ID 2/3
	PID03	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
	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
Not Used	PID06	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described	O ID 2/2
Not Used	PID07	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O AN 1/15
Not Used	PID08	1073	Yes/No Condition or Response Code Code indicating a Yes or No condition or response	O ID 1/1

Segment: **MEA** Measurements

Position: 200

Loop:

Level: Heading

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

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
MEA01	737	Measurement Reference ID Code	O ID 2/2
		Code identifying the broad category to which a measurement applies	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
MEA02	738	Measurement Qualifier	O ID 1/3
		Code identifying a specific product or process characteristic to which a measurement applies	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
MEA03	739	Measurement Value	X R 1/20
		The value of the measurement	
MEA04	C001	Composite Unit of Measure	X
		To identify a composite unit of measure (See Figures Appendix for examples of use)	
Must Use	C00101	355 Unit or Basis for Measurement Code	M ID 2/2
		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.	
Not Used	C00102	1018 Exponent	O R 1/15
		Power to which a unit is raised	
Not Used	C00103	649 Multiplier	O R 1/10
		Value to be used as a multiplier to obtain a new value	
	C00104	355 Unit or Basis for Measurement Code	O ID 2/2
		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.	
Not Used	C00105	1018 Exponent	O R 1/15
		Power to which a unit is raised	
Not Used	C00106	649 Multiplier	O R 1/10
		Value to be used as a multiplier to obtain a new value	
Not Used	C00107	355 Unit or Basis for Measurement Code	O ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00108	1018 Exponent	O R 1/15

			Power to which a unit is raised		
Not Used	C00109	649	Multiplier	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00110	355	Unit or Basis for Measurement Code	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00111	1018	Exponent	O	R 1/15
			Power to which a unit is raised		
Not Used	C00112	649	Multiplier	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00113	355	Unit or Basis for Measurement Code	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00114	1018	Exponent	O	R 1/15
			Power to which a unit is raised		
Not Used	C00115	649	Multiplier	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
	MEA05	740	Range Minimum	X	R 1/20
			The value specifying the minimum of the measurement range		
	MEA06	741	Range Maximum	X	R 1/20
			The value specifying the maximum of the measurement range		
Not Used	MEA07	935	Measurement Significance Code	O	ID 2/2
			Code used to benchmark, qualify or further define a measurement value		
Not Used	MEA08	936	Measurement Attribute Code	X	ID 2/2
			Code used to express an attribute response when a numeric measurement value cannot be determined		
Not Used	MEA09	752	Surface/Layer/Position Code	O	ID 2/2
			Code indicating the product surface, layer or position that is being described		
Not Used	MEA10	1373	Measurement Method or Device	O	ID 2/4
			The method or device used to record the measurement		

Segment: **PWK** Paperwork
Position: 210
Loop:
Level: Heading
Usage: Optional
Max Use: 25
Purpose: To identify the type and transmission of paperwork or supporting information
Syntax Notes: 1 If either PWK05 or PWK06 is present, then the other is required.
Semantic Notes:
Comments:

- 1 PWK05 and PWK06 may be used to identify the addressee by a code number.
- 2 PWK07 may be used to indicate special information to be shown on the specified report.
- 3 PWK08 may be used to indicate action pertaining to a report.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	PWK01	755 Report Type Code	M ID 2/2
		Code indicating the title or contents of a document, report or supporting item	
		22	Functional Plan
		25	Purchase Plan
		35	Subcontractor Plan
		AE	Attachment
		C1	Cost Data Summary
		C5	Certified Cost and Price Data
		C6	Wage Determination
		CP	Certificate of Compliance (Material Certification)
		CX	Cost/Schedule Status Report (C/SSR)
			Contract status report showing budget, performance, actual, cost variance, schedule variance, budget at complete, estimate at complete, and variance at complete at specified levels of the work breakdown structure
		CY	Contract Funds Status Report (CFSR)
			Status report for funds appropriation including commitments, actual cost, forecast of billings, and estimated termination costs
		DW	Drawing(s)
		F1	Cost Performance Report (CPR) Format 1
			Detailed contract status report including current reporting month values at specified levels of the work breakdown structure
		F2	Cost Performance Report (CPR) Format 2
			Detailed contract status report at specified levels of the organization breakdown structure
		F3	Cost Performance Report (CPR) Format 3
			Contract baseline report that summarizes changes to the contract over a given reporting period with beginning and ending values
		F4	Cost Performance Report (CPR) Format 4
			Contract resource summary report that forecasts labor requirements for the remainder of a contract
		F5	Cost Performance Report (CPR) Format 5

			Contract summary or detail report explaining significant cost or schedule variances
		IT	Certified Inspection and Test Results
		MR	Material Inspection and Receiving Report
		MS	Material Safety Data Sheet
		PD	Proof of Delivery
		PJ	Purchasing Specification
			Specifications, generated by a customer, setting acceptance limits on the properties or performance of the product being purchased; purchasing specifications may additionally supply instructions for packaging, transportation, delivery, and payments
		PM	Proof of Insurance
		PP	Proposal
		S9	Representation
			A statement (report) by a prospective contractor that makes a representation about a specific condition
		SD	Support Data for a Request for Quote
		SF	Contract Security Classification Specification
		SN	Shipping Notice
		SP	Specification
		UA	Union Agreement
		US	"BUY AMERICA" Certification of Compliance
PWK02	756	Report Transmission Code	O ID 1/2
			Code defining timing, transmission method or format by which reports are to be sent
		BE	By Mail and Electronically
		BM	By Mail
		CF	Courier
		DA	Data
		EL	Electronically Only
		FX	By Fax
		IA	Electronic Image
		WS	With Shipment (With Package)
PWK03	757	Report Copies Needed	O NO 1/2
			The number of copies of a report that should be sent to the addressee
PWK04	98	Entity Identifier Code	O ID 2/2
			Code identifying an organizational entity, a physical location, or an individual
		44	Data Processing Service Bureau
		7N	Party to Receive Proposal
		BY	Buying Party (Purchaser)
		IS	Party to Receive Certified Inspection Report
		KF	Audit Office
			The office performing the audit
		KG	Project Manager
			The address of the person responsible for the management of a designated project
		KY	Technical Office
Not Used	PWK05	66	Identification Code Qualifier
			X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)

Not Used	PWK06	67	Identification Code	X	AN 2/20
			Code identifying a party or other code		
	PWK07	352	Description	O	AN 1/80
			A free-form description to clarify the related data elements and their content		
	PWK08	C002	Actions Indicated	O	
			Actions to be performed on the piece of paperwork identified		
Must Use	C00201	704	Paperwork/Report Action Code	M	ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required		
		2	Report to be Filed		
		5	Generate		
		PV	Provided		
Not Used	C00202	704	Paperwork/Report Action Code	O	ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required		
Not Used	C00203	704	Paperwork/Report Action Code	O	ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required		
Not Used	C00204	704	Paperwork/Report Action Code	O	ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required		
Not Used	C00205	704	Paperwork/Report Action Code	O	ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required		

Segment:	PKG Marking, Packaging, Loading
Position:	220
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	200
Purpose:	To describe marking, packaging, loading, and unloading requirements
Syntax Notes:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</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) GS General Services Administration (GSA) Responsible for Federal Specification ZZ Mutually Defined	X ID 2/2
PKG04	754	Packaging Description Code A code from an industry code list which provides specific data about the	X AN 1/7

	PKG05	352	marking, packaging or loading and unloading of a product Description	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
Not Used	PKG06	400	Unit Load Option Code	X	ID 2/2
			Code identifying loading or unloading a shipment		

Segment:	TD5 Carrier Details (Routing Sequence/Transit Time)
Position:	240
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	12
Purpose:	To specify the carrier and sequence of routing and provide transit time information
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of TD502 TD504 TD505 TD506 or TD512 is required. 2 If TD502 is present, then TD503 is required. 3 If TD507 is present, then TD508 is required. 4 If TD510 is present, then TD511 is required.
Semantic Notes:	
Comments:	<ol style="list-style-type: none"> 1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Not Used	TD501	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement	O ID 1/2
	TD502	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 10 Department of Defense Activity Address Code (DODAAC)	X ID 1/2
	TD503	67	Identification Code Code identifying a party or other code	X AN 2/20
	TD504	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 1/2
Not Used	TD505	387	Routing Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	X AN 1/35
Not Used	TD506	368	Shipment/Order Status Code Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction	X ID 2/2
Not Used	TD507	309	Location Qualifier Code identifying type of location	O ID 1/2
Not Used	TD508	310	Location Identifier Code which identifies a specific location	X AN 1/30
Not Used	TD509	731	Transit Direction Code The point of origin and point of direction	O ID 2/2
Not Used	TD510	732	Transit Time Direction Qualifier Code specifying the value of time used to measure the transit time	O ID 2/2
Not Used	TD511	733	Transit Time The numeric amount of transit time	X R 1/4
	TD512	284	Service Level Code Code defining service Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 2/2

Segment: **TD4** Carrier Details (Special Handling, or Hazardous Materials, or Both)
Position: 260
Loop:
Level: Heading
Usage: Optional
Max Use: 5
Purpose: To specify transportation special handling requirements, or hazardous materials information, or both

Syntax Notes:
1 At least one of TD401 TD402 or TD404 is required.
2 If TD402 is present, then TD403 is required.

Semantic Notes:
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
TD401	152	Special Handling Code Code specifying special transportation handling instructions Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 2/3
TD402	208	Hazardous Material Code Qualifier Code which qualifies the Hazardous Material Class Code (209) Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 1/1
TD403	209	Hazardous Material Class Code Code specifying the kind of hazard for a material	X AN 2/4
TD404	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80

Segment:	MAN Marks and Numbers
Position:	270
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	10
Purpose:	To indicate identifying marks and numbers for shipping containers
Syntax Notes:	<ol style="list-style-type: none"> 1 If either MAN04 or MAN05 is present, then the other is required. 2 If MAN06 is present, then MAN05 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container. 2 When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range. 3 When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.
Comments:	<ol style="list-style-type: none"> 1 When MAN01 contains code UC (U.P.C. Shipping Container Code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06. 2 MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers. When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	MAN01	88	Marks and Numbers Qualifier Code specifying the application or source of Marks and Numbers (87) S Entire Shipment	M ID 1/2
Must Use	MAN02	87	Marks and Numbers Marks and numbers used to identify a shipment or parts of a shipment	M AN 1/45
	MAN03	87	Marks and Numbers Marks and numbers used to identify a shipment or parts of a shipment	O AN 1/45
	MAN04	88	Marks and Numbers Qualifier Code specifying the application or source of Marks and Numbers (87) S Entire Shipment	X ID 1/2
	MAN05	87	Marks and Numbers Marks and numbers used to identify a shipment or parts of a shipment	X AN 1/45
	MAN06	87	Marks and Numbers Marks and numbers used to identify a shipment or parts of a shipment	O AN 1/45

Segment: **RRA** Required Response
Position: 280
Loop:
Level: Heading
Usage: Optional
Max Use: 100
Purpose: To indicate information that is required to be included in the response
Syntax Notes:
Semantic Notes: 1 Use RRA02 only to specify applicable regulatory or contractual clause.
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	RRA01	701	Information Type Code specifying the information required in the response 14 As Indicated by the Cited Reference	M ID 2/2
	RRA02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	O AN 1/30

Segment: **N9** Reference Number
Position: 290
Loop: N9
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
Must Use N901	128	Reference Number Qualifier	M ID 2/2
		Code qualifying the Reference Number.	
		5N Citation of Statute	
		73 Statement of Work (SOW)	
		Description of a product or service to be procured under a contract; statement of requirements	
		AU Authorization to Meet Competition No.	
		BB Authorization Number	
		Proves that permission was obtained to provide a service	
		CJ Clause Number	
		DF Defense Federal Acquisition Regulations (DFAR)	
		DX Department/Agency Number	
		EC Circular	
		FA Federal Acquisition Regulations (FAR)	
		GS General Services Administration Regulations (GSAR)	
		K7 Paragraph Number	
		KD Special Instructions Number	
		KT Request for Quotation Reference	
		A discrete number assigned for identification purposes to a request for quotation	
		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	
		VB Department of Veterans Affairs Acquisition Regulations (VAAR)	
		ZZ Mutually Defined	

	N902	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.		
	N903	369	Free-form Description	X	AN 1/45
			Free-form descriptive text		
	N904	373	Date	O	DT 6/6
			Date (YYMMDD)		
Not Used	N905	337	Time	X	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
Not Used	N906	623	Time Code	O	ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow		

Segment: **MSG** Message Text
Position: 300
Loop: N9
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

	Ref. Des.	Data Element	Name	Attributes
Must Use	MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264
Not Used	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
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	Name	Attributes
Des.	Element		
Must Use	N101	98 Entity Identifier Code	M ID 2/2
		Code identifying an organizational entity, a physical location, or an individual	
		31	Postal Mailing Address
		44	Data Processing Service Bureau
		7G	Hazardous Material Office
		7M	Inspection and Acceptance Location
		7N	Party to Receive Proposal
		BY	Buying Party (Purchaser)
		CY	Country
		DZ	Delivery Zone
			Area where the product was delivered
		EL	Established Location
		IC	Intermediate Consignee
		IS	Party to Receive Certified Inspection Report
		KF	Audit Office
			The office performing the audit
		KG	Project Manager
			The address of the person responsible for the management of a designated project
		KW	Bid Opening Location
		KX	Free on Board Point
		KY	Technical Office
		KZ	Acceptance Location
		L1	Inspection Location
			Place where the item was viewed or inspected
		MU	Meeting Location
		PW	Pick Up Address
		R6	Requester
		ST	Ship To
		SV	Service Performance Site
			When services are contracted for, this describes the organization for whom or location address at which those services will be performed

		TQ	Third Party Reviewing Organization (TPO)		
		TS	Party to Receive Certified Test Results		
		X2	Party to Perform Packaging		
			A party responsible for packaging an item after it has been produced		
		XP	Party to Receive Solicitation		
		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)			
		1	D-U-N-S Number, Dun & Bradstreet		
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
		10	Department of Defense Activity Address Code (DODAAC)		
		16	ZIP Code		
		33	Commercial and Government Entity (CAGE)		
		A2	Military Assistance Program Address Code (MAPAC)		
			Contained in the Military Assistance Program Address Directory (MAPAD); represents the location of an entity		
		ZN	Zone		
N104	67	Identification Code		X	AN 2/20
		Code identifying a party or other code			
Not Used	N105	706	Entity Relationship Code	O	ID 2/2
		Code describing entity relationship			
Not Used	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
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>
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: 330
Loop: N1
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>
Must Use	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
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

Ref. Des.	Data Element	Name	Attributes
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 DE Destination (Shipping) OR Origin (Shipping Point) ZZ Mutually Defined	X ID 1/2
N406	310	Location Identifier Code which identifies a specific location	O AN 1/30

Segment: **PER** Administrative Communications Contact
Position: 360
Loop: N1
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

Ref. Des.	Data Element	Name	Attributes
Must Use PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named	M ID 2/2
		AT Material Safety Data Sheet Contact	
		AV Advisor	
		BD Buyer Name or Department	
		HM Hazardous Material Contact	
		IC Information Contact	
		PC Purchasing Contracting Officer (PCO)	
		Person to whom a warrant has been issued authorizing that person to obligate funds on behalf of the government	
		PP Program Manager	
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
		AU Defense Switched Network	
		Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	
		EM Electronic Mail	
		FX Facsimile	
		IT International Telephone	
		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
		AU Defense Switched Network	
		Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	
		EM Electronic Mail	
		EX Telephone Extension	
		FX Facsimile	

		IT	International Telephone		
		TE	Telephone		
PER06	364	Communication Number		X	AN 1/80
		Complete communications number including country or area code when applicable			
PER07	365	Communication Number Qualifier		X	ID 2/2
		Code identifying the type of communication number			
		AU	Defense Switched Network		
			Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)		
		EM	Electronic Mail		
		EX	Telephone Extension		
		FX	Facsimile		
		IT	International Telephone		
		TE	Telephone		
PER08	364	Communication Number		X	AN 1/80
		Complete communications number including country or area code when applicable			
PER09	443	Contact Inquiry Reference		O	AN 1/20
		Additional reference number or description to clarify a contact number			

Segment:	TD5	Carrier Details (Routing Sequence/Transit Time)
Position:	390	
Loop:	N1	
Level:	Heading	
Usage:	Optional	
Max Use:	12	
Purpose:	To specify the carrier and sequence of routing and provide transit time information	
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of TD502 TD504 TD505 TD506 or TD512 is required. 2 If TD502 is present, then TD503 is required. 3 If TD507 is present, then TD508 is required. 4 If TD510 is present, then TD511 is required. 	
Semantic Notes:		
Comments:	<ol style="list-style-type: none"> 1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502. 	

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Not Used	TD501	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement	O ID 1/2
	TD502	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 10 Department of Defense Activity Address Code (DODAAC)	X ID 1/2
	TD503	67	Identification Code Code identifying a party or other code	X AN 2/20
	TD504	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 1/2
Not Used	TD505	387	Routing Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	X AN 1/35
Not Used	TD506	368	Shipment/Order Status Code Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction	X ID 2/2
Not Used	TD507	309	Location Qualifier Code identifying type of location	O ID 1/2
Not Used	TD508	310	Location Identifier Code which identifies a specific location	X AN 1/30
Not Used	TD509	731	Transit Direction Code The point of origin and point of direction	O ID 2/2
Not Used	TD510	732	Transit Time Direction Qualifier Code specifying the value of time used to measure the transit time	O ID 2/2
Not Used	TD511	733	Transit Time The numeric amount of transit time	X R 1/4
	TD512	284	Service Level Code Code defining service Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 2/2

Segment: **TD4** Carrier Details (Special Handling, or Hazardous Materials, or Both)
Position: 410
Loop: N1
Level: Heading
Usage: Optional
Max Use: 5
Purpose: To specify transportation special handling requirements, or hazardous materials information, or both

Syntax Notes:
 1 At least one of TD401 TD402 or TD404 is required.
 2 If TD402 is present, then TD403 is required.

Semantic Notes:
Comments:

Data Element Summary

Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>	<u>Attributes</u>
TD401	152	Special Handling Code Code specifying special transportation handling instructions Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 2/3
TD402	208	Hazardous Material Code Qualifier Code which qualifies the Hazardous Material Class Code (209) Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 1/1
TD403	209	Hazardous Material Class Code Code specifying the kind of hazard for a material	X AN 2/4
TD404	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:	420
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	200
Purpose:	To describe marking, packaging, loading, and unloading requirements
Syntax Notes:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
PKG01	349	Item Description Type	X ID 1/1
		Code indicating the format of a description	
		F Free-form	
		S Structured (From Industry Code List)	
		X Semi-structured (Code and Text)	
PKG02	753	Packaging Characteristic Code	O ID 1/5
		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	
PKG03	559	Agency Qualifier Code	X ID 2/2
		Code identifying the agency assigning the code values	
		DF Department of Defense (DoD)	
		GS General Services Administration (GSA)	
		Responsible for Federal Specification	
		ZZ Mutually Defined	
PKG04	754	Packaging Description Code	X AN 1/7
		A code from an industry code list which provides specific data about the	

	PKG05	352	marking, packaging or loading and unloading of a product Description	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
Not Used	PKG06	400	Unit Load Option Code	X	ID 2/2
			Code identifying loading or unloading a shipment		

Segment: **SPI** Specification Identifier
Position: 440
Loop: SPI
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To provide a description of the included specification or technical data items
Syntax Notes: 1 If either SPI02 or SPI03 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	SPI01	786	Security Level Code Code indicating the level of confidentiality assigned by the sender to the information following 92 Government Confidential 93 Government Secret 94 Government Top Secret	M ID 2/2
	SPI02	128	Reference Number Qualifier Code qualifying the Reference Number. 3X Subcontract Number CT Contract Number KS Solicitation A discreet number assigned by the purchasing activity to differentiate between different solicitations	X ID 2/2
	SPI03	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
Not Used	SPI04	790	Entity Title Title of the data entity	O AN 1/132
Not Used	SPI05	791	Entity Purpose The reason for the existence of the data item specified by the electronic data item independent of its presence in an EDI transaction	O AN 1/80
Not Used	SPI06	792	Entity Status Code Code indicating the current status of the data item specified by the electronic data item	O ID 1/1
	SPI07	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original 04 Change 20 Final Transmission	O ID 2/2
	SPI08	755	Report Type Code Code indicating the title or contents of a document, report or supporting item SF Contract Security Classification Specification	O ID 2/2
	SPI09	786	Security Level Code Code indicating the level of confidentiality assigned by the sender to the information following 92 Government Confidential 93 Government Secret 94 Government Top Secret	O ID 2/2

Not Used	SPI10	559	Agency Qualifier Code Code identifying the agency assigning the code values	O	ID 2/2
Not Used	SPI11	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O	AN 1/15
Not Used	SPI12	554	Assigned Number Number assigned for differentiation within a transaction set	O	N0 1/6
Not Used	SPI13	1322	Certification Type Code Code indicating the type of certification	O	ID 1/1
Not Used	SPI14	1401	Proposal Data Detail Identifier Code Code identifying the basis of a cited value in a proposal	O	ID 1/3

Segment: **REF** Reference Numbers
Position: 450
Loop: SPI
Level: Heading
Usage: Optional
Max Use: 5
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.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Number Qualifier Code qualifying the Reference Number. 3X Subcontract Number CT Contract Number KS Solicitation YB Revision Number A discreet number assigned by the purchasing activity to differentiate between different solicitations	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
Not Used	REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80

Segment: **DTM** Date/Time Reference

Position: 460

Loop: SPI

Level: Heading

Usage: Optional

Max Use: 5

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>
Must Use	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	M ID 3/3
			036 Expiration Date coverage expires	
			106 Required By	
			165 Final Issue	
			171 Revision	
			334 Re-evaluation Date The date on which the student's placement in special education or other programs will be re-assessed	
			703 Original Transaction	
	DTM02	373	Date Date (YYMMDD)	X DT 6/6
Not Used	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
Not Used	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	O ID 2/2
	DTM05	624	Century The first two characters in the designation of the year (CCYY)	O N0 2/2
Not Used	DTM06	1250	Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format	X ID 2/3
Not Used	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: **MSG** Message Text
Position: 470
Loop: SPI
Level: Heading
Usage: Optional
Max Use: 50
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>
Must Use	MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264
Not Used	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: 490

Loop: N1

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. Des.	Data Element	Name	Attributes
Must Use N101	98	Entity Identifier Code	M ID 2/2
		Code identifying an organizational entity, a physical location, or an individual	
		28 Subcontractor	
		61 Performed At	
		The facility where work was performed	
		B2 Other Unlisted Type of Organizational Entity	
		An organization, e.g., a business, the description of which cannot be accomplished using the existing code list and for which the trading partners have not mutually agreed to a definition for it	
		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	
		K1 Contractor Cognizant Security Office	
		K2 Subcontractor Cognizant Security Office	
		K3 Place of Performance Cognizant Security Office	
		K4 Party Authorizing Release of Security Information	
		K5 Party To Receive Contract Security Classification Specification	
		KG Project Manager	
		The address of the person responsible for the management of a designated project	
		KI United States Overseas Security Administration Office	
		OI Outside Inspection Agency	
		PG Prime Contractor	
		PV Party performing certification	
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)	

		1	D-U-N-S Number, Dun & Bradstreet		
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
		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		
Not Used	N105	706	Entity Relationship Code	O	ID 2/2
			Code describing entity relationship		
Not Used	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: 500

Loop: N1

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

Ref.		Data		Attributes
Must Use	<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: 510
Loop: N1
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	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: 520
Loop: N1
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

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

Segment: **G61** **Contact**
Position: 540
Loop: N1
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a person or office to whom communications should be directed
Syntax Notes: 1 If either G6103 or G6104 is present, then the other is required.
Semantic Notes:
Comments: 1 G6103 qualifies G6104.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	G6101	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named CE Certifier IC Information Contact PP Program Manager	M ID 2/2
Must Use	G6102	93	Name Free-form name	M AN 1/35
	G6103	365	Communication Number Qualifier Code identifying the type of communication number AU Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON) EM Electronic Mail FX Facsimile IT International Telephone TE Telephone	X ID 2/2
	G6104	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
	G6105	443	Contact Inquiry Reference Additional reference number or description to clarify a contact number	O AN 1/20

Segment: **MSG** Message Text
Position: 550
Loop: N1
Level: Heading
Usage: Optional
Max Use: 50
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

	Ref. Des.	Data Element	Name	Attributes
Must Use	MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264
Not Used	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: **CB1** **Contract and Cost Accounting Standards Data**
Position: 560
Loop: CB1
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify contract and cost accounting standards data
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use	CB101	1309 Acquisition Data Code	M ID 2/2
		Code identifying acquisition data	
		18 Access to Communications Security Information Required	
		19 Access to Communication Security Information Not Required	
		20 Access to Restricted Data Required	
		21 Access to Restricted Data Not Required	
		22 Access to Critical Nuclear Weapon Design Information Required	
		23 Access to Critical Nuclear Weapon Design Information Not Required	
		24 Access to Formerly Restricted Data Required	
		25 Access to Formerly Restricted Data Not Required	
		26 Access to Sensitive Compartmented Information Required	
		27 Access to Sensitive Compartmented Information Not Required	
		28 Access to Non-sensitive Compartmented Information Required	
		29 Access to Non-sensitive Compartmented Information Not Required	
		30 Access to Special Access Information Required	
		31 Access to Special Access Information Not Required	
		32 Access to North Atlantic Treaty Organization Information Required	
		33 Access to North Atlantic Treaty Organization Information Not Required	
		34 Access to Foreign Government Information Required	
		35 Access to Foreign Government Information Not Required	
		36 Access to Limited Dissemination Information Required	
		37 Access to Limited Dissemination Information Not Required	
		38 Access to For Official Use Only Information Required	
		39 Access to For Official Use Only Information Not Required	
		40 Access to Other Type of Information Required	
		41 Access to Other Type of Information Not Required	
		42 Contractor Will Have Access to United States	

	Classified Information at another Contractor's Facility or a Government Activity
43	Contractor Will Not Have Access to United States Classified Information at another Contractor's Facility or a Government Activity
44	Contractor Will Receive Classified Documents Only
45	Contractor Will Not Receive Classified Documents Only
46	Contractor Will Receive or Generate Classified Material
47	Contractor Will Not Receive or Generate Classified Material
48	Contractor Will Fabricate, Modify, or Store Classified Hardware
49	Contractor Will Not Fabricate, Modify, or Store Classified Hardware
50	Contractor Will Perform Services Only
51	Contractor Will Not Perform Services Only
52	Contractor Will Have Access to United States Classified Information outside the United States, Puerto Rico, United States Possessions and Trust Territories
53	Contractor Will Not Have Access to United States Classified Information outside the United States, Puerto Rico, United States Possessions and Trust Territories
54	Contractor Will Be Authorized to use the Services of Defense Technical Information Center or other Secondary Distribution Center
55	Contractor Will Not Be Authorized to use the Services of Defense Technical Information Center or other Secondary Distribution Center
56	Contractor Will Require a Communications Security Account
57	Contractor Will Not Require a Communications Security Account
58	Contractor Will Have Tempest Requirements
59	Contractor Will Not Have Tempest Requirements
60	Contractor Will Have Operations Security Requirements
61	Contractor Will Not Have Operations Security Requirements
62	Contractor Will Be Authorized to use the Defense Courier Service
63	Contractor Will Not Be Authorized to use the Defense Courier Service
64	Contractor Will Have some other Authorization in the Performance of the Contract
65	Contractor Will Not Have some other Authorization in the Performance of the Contract
66	Facility Clearance Required
67	Facility Clearance Not Required
68	Follow-on Contract
69	Not a Follow-on Contract
70	Final Contract Security Classification Specification
71	Not a Final Contract Security Classification Specification
72	Direct Public Release Authorized
73	Direct Public Release Not Authorized

- 74 Additional Materials being Forwarded
- 75 No Additional Materials being Forwarded
- 76 Additional Requirements Established
- 77 Additional Requirements Not Established
- 78 Elements of the Contract are outside the Inspection
Responsibility of the Cognizant Security Office
- 79 No Element of the Contract Is Outside the Inspection
Responsibility of the Cognizant Security Office
- 80 Contractor Distribution Required
- 81 Contractor Distribution Not Required
- 82 Subcontractor Distribution Required
- 83 Subcontractor Distribution Not Required
- 84 Cognizant Security Office for Prime and Subcontractor
Distribution Required
- 85 Cognizant Security Office for Prime and Subcontractor
Distribution Not Required
- 86 United States Activity Responsible for Overseas
Security Administration Distribution Required
- 87 United States Activity Responsible for Overseas
Security Administration Distribution Not Required
- 88 Administrative Contracting Office Distribution
Required
- 89 Administrative Contracting Office Distribution Not
Required
- 90 Other Distribution Required
- 91 Other Distribution Not Required

Not Used CB102

1310

Financing Type Code**O ID 1/1**

Code identifying the type of contract financing required by the submitter of a pricing proposal

Segment: **REF** Reference Numbers
Position: 570
Loop: CB1
Level: Heading
Usage: Optional
Max Use: 20
Purpose: To specify identifying numbers.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
Must Use	REF01	128	Reference Number Qualifier
			Code qualifying the Reference Number.
		43	Supporting Document Number
			Supports or clarifies information and values represented in a document
		KL	Contract Reference
		KT	Request for Quotation Reference
			A discrete number assigned for identification purposes to a request for quotation
		KU	Office Symbol
			A number assigned for reference to a specific office within an organization
		P1	Previous Contract Number
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.
REF03	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content

Segment: **DTM** Date/Time Reference
Position: 580
Loop: CB1
Level: Heading
Usage: Optional
Max Use: 5
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>
Must Use	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 992 Date Requested	M ID 3/3
	DTM02	373	Date Date (YYMMDD)	X DT 6/6
Not Used	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
Not Used	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	O ID 2/2
	DTM05	624	Century The first two characters in the designation of the year (CCYY)	O N0 2/2
Not Used	DTM06	1250	Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format	X ID 2/3
Not Used	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: 590
Loop: CB1
Level: Heading
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.</u> <u>Des.</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 BA From Date of Award to Expiration Date of Authorization	M ID 2/2
Must Use	LDT02	380	Quantity Numeric value of quantity	M R 1/15
Must Use	LDT03	344	Unit of Time Period or Interval Code indicating the time period or interval CY Calendar Year DA Calendar Days MO Month WK Weeks	M ID 2/2
Not Used	LDT04	373	Date Date (YYMMDD)	O DT 6/6

Segment: **MSG** Message Text

Position: 600

Loop: CB1

Level: Heading

Usage: Optional

Max Use: 50

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>
Must Use	MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264
Not Used	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:	PO1	Baseline Item Data
Position:	010	
Loop:	PO1	
Level:	Detail	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To specify basic and most frequently used line item data	
Syntax Notes:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
PO101	350	Assigned Identification	O AN 1/11
		Alphanumeric characters assigned for differentiation within a transaction set	
PO102	330	Quantity Ordered	X R 1/9
		Quantity ordered	
PO103	355	Unit or Basis for Measurement Code	O ID 2/2
		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.	
PO104	212	Unit Price	X R 1/17
		Price per unit of product, service, commodity, etc.	
PO105	639	Basis of Unit Price Code	O ID 2/2
		Code identifying the type of unit price for an item	
		CA Catalog	
		ES Estimated	
		FB Fabrication Cost	
		KA Price with Government Furnished Property	
		NC No Charge	
		NE Not to Exceed	
		NS Not Separately Priced	
		PQ Posted	
		TB To be negotiated.	
PO106	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in	

		Product/Service ID (234)		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
PO107	234	Product/Service ID	X	AN 1/40
		Identifying number for a product or service		
PO108	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
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)		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
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)		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
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)		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
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)		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
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)		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
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)		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
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)		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
PO123	234	Product/Service ID	X	AN 1/40

PO124	235	Identifying number for a product or service		
		Product/Service ID Qualifier	X	ID 2/2
PO125	234	Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
		Product/Service ID	X	AN 1/40
		Identifying number for a product or service		

Segment: **CN1** Contract Information
Position: 025
Loop: PO1
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify basic data about the contract or contract line item
Syntax Notes:
Semantic Notes:

- 1 CN102 is the contract amount.
- 2 CN103 is the allowance or charge percent.
- 3 CN104 is the contract code.
- 4 CN106 is an additional identifying number for the contract.

Comments:

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Must Use	CN101	1166	Contract Type Code	M ID 2/2
			Code identifying a contract type	
		CA	Cost Plus Incentive Fee (With Performance Incentives)	
		CB	Cost Plus Incentive Fee (Without Performance Incentives)	
		CH	Cost Sharing	
		CS	Cost	
		CW	Cost Plus Award Fee	
		CX	Cost Plus Fixed Fee	
		FB	Fixed Price Incentive Firm Target (With Performance Incentive)	
		FC	Fixed Price Incentive Firm Target (Without Performance Incentive)	
		FD	Fixed Price Redetermination	
		FF	Fixed Price Incentive Successive Target (With Performance Incentive)	
		FG	Fixed Price Incentive Successive Target (Without Performance Incentive)	
		FH	Fixed Price Award Fee	
		FJ	Fixed Price Level of Effort	
		FK	No Cost	
		FR	Firm Fixed Price	
		FX	Fixed Price with Economic Price Adjustment	
		LH	Labor Hours	
		TM	Time and Materials	
		ZZ	Mutually Defined	
Not Used	CN102	782	Monetary Amount	O R 1/15
			Monetary amount	
Not Used	CN103	332	Percent	O R 1/6
			Percent expressed as a percent	
Not Used	CN104	127	Reference Number	O AN 1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	
Not Used	CN105	338	Terms Discount Percent	O R 1/6
			Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	

Not Used CN106

799

Version Identifier

O AN 1/30

Revision level of a particular format, program, technique or algorithm

Segment: PO3 Additional Item Detail**Position:** 030**Loop:** PO1**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>
Must Use	PO301	371	Change Reason Code Code specifying the reason for price or quantity change AQ Alternate Quantity and Unit of Measure EV Estimated Quantity UP Unit Price	M ID 2/2
Not Used	PO302	373	Date Date (YYMMDD)	O DT 6/6
	PO303	236	Price Identifier Code Code identifying pricing specification GOV Government Price	X ID 3/3
	PO304	212	Unit Price Price per unit of product, service, commodity, etc.	O R 1/17
Not Used	PO305	639	Basis of Unit Price Code Code identifying the type of unit price for an item	X ID 2/2
Must Use	PO306	380	Quantity Numeric value of quantity	M R 1/15
Must Use	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 Refer to 003050 Data Element Dictionary for acceptable code values.	M ID 2/2
Not Used	PO308	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80

Segment:	CTP Pricing Information
Position:	040
Loop:	PO1
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify pricing information
Syntax Notes:	<ol style="list-style-type: none"> 1 If either CTP04 or CTP05 is present, then the other is required. 2 If CTP06 is present, then CTP07 is required. 3 If CTP09 is present, then CTP02 is required. 4 If CTP10 is present, then CTP02 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given. 2 CTP08 is the rebate amount.
Comments:	<ol style="list-style-type: none"> 1 See Figures Appendix for an example detailing the use of CTP03 and CTP04. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Not Used	CTP01	687	Class of Trade Code Code indicating class of trade	O ID 2/2
	CTP02	236	Price Identifier Code Code identifying pricing specification	X ID 3/3
			ALT Alternate Price	
			CAT Catalog Price	
			ICL Unit Price Through Quantity	
			LAR Labor Rate	
			MAX Maximum Order Quantity Price	
			PAP Protection Level Price	
			PAQ Price Break Quantity(s)	
			PBQ Unit Price Beginning Quantity	
			PPA Packing Level Price	
			PUR Purchase	
			ZNP Zone Price	
Not Used	CTP03	212	Unit Price Price per unit of product, service, commodity, etc.	O R 1/17
	CTP04	380	Quantity Numeric value of quantity	X R 1/15
	CTP05	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
Not Used	CTP06	648	Price Multiplier Qualifier Code indicating the type of price multiplier	O ID 3/3
Not Used	CTP07	649	Multiplier Value to be used as a multiplier to obtain a new value	X R 1/10
Not Used	CTP08	782	Monetary Amount Monetary amount	O R 1/15
Not Used	CTP09	639	Basis of Unit Price Code Code identifying the type of unit price for an item	O ID 2/2

CTP10

499

Condition Value

O AN 1/10

Identifies rate restrictions or provisions

Segment: MEA Measurements**Position:** 049**Loop:** PO1**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**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
MEA01	737	Measurement Reference ID Code	O ID 2/2
		Code identifying the broad category to which a measurement applies	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
MEA02	738	Measurement Qualifier	O ID 1/3
		Code identifying a specific product or process characteristic to which a measurement applies	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
MEA03	739	Measurement Value	X R 1/20
		The value of the measurement	
MEA04	C001	Composite Unit of Measure	X
		To identify a composite unit of measure (See Figures Appendix for examples of use)	
Must Use	C00101	355 Unit or Basis for Measurement Code	M ID 2/2
		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.	
Not Used	C00102	1018 Exponent	O R 1/15
		Power to which a unit is raised	
Not Used	C00103	649 Multiplier	O R 1/10
		Value to be used as a multiplier to obtain a new value	
	C00104	355 Unit or Basis for Measurement Code	O ID 2/2
		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.	
Not Used	C00105	1018 Exponent	O R 1/15
		Power to which a unit is raised	
Not Used	C00106	649 Multiplier	O R 1/10
		Value to be used as a multiplier to obtain a new value	
Not Used	C00107	355 Unit or Basis for Measurement Code	O ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00108	1018 Exponent	O R 1/15

			Power to which a unit is raised		
Not Used	C00109	649	Multiplier	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00110	355	Unit or Basis for Measurement Code	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00111	1018	Exponent	O	R 1/15
			Power to which a unit is raised		
Not Used	C00112	649	Multiplier	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00113	355	Unit or Basis for Measurement Code	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00114	1018	Exponent	O	R 1/15
			Power to which a unit is raised		
Not Used	C00115	649	Multiplier	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
	MEA05	740	Range Minimum	X	R 1/20
			The value specifying the minimum of the measurement range		
	MEA06	741	Range Maximum	X	R 1/20
			The value specifying the maximum of the measurement range		
Not Used	MEA07	935	Measurement Significance Code	O	ID 2/2
			Code used to benchmark, qualify or further define a measurement value		
Not Used	MEA08	936	Measurement Attribute Code	X	ID 2/2
			Code used to express an attribute response when a numeric measurement value cannot be determined		
Not Used	MEA09	752	Surface/Layer/Position Code	O	ID 2/2
			Code indicating the product surface, layer or position that is being described		
Not Used	MEA10	1373	Measurement Method or Device	O	ID 2/4
			The method or device used to record the measurement		

Segment:	PID Product/Item Description
Position:	050
Loop:	PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PID01	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)	M ID 1/1
	PID02	750	Product/Process Characteristic Code Code identifying the general class of a product or process characteristic Refer to 003050 Data Element Dictionary for acceptable code values.	O ID 2/3
	PID03	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
	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
Not Used	PID06	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described	O ID 2/2
Not Used	PID07	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O AN 1/15
Not Used	PID08	1073	Yes/No Condition or Response Code Code indicating a Yes or No condition or response	O ID 1/1

Segment: **PWK** Paperwork
Position: 070
Loop: PO1
Level: Detail
Usage: Optional
Max Use: 25
Purpose: To identify the type and transmission of paperwork or supporting information
Syntax Notes: 1 If either PWK05 or PWK06 is present, then the other is required.
Semantic Notes:
Comments:

- 1 PWK05 and PWK06 may be used to identify the addressee by a code number.
- 2 PWK07 may be used to indicate special information to be shown on the specified report.
- 3 PWK08 may be used to indicate action pertaining to a report.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	PWK01	755 Report Type Code	M ID 2/2
		Code indicating the title or contents of a document, report or supporting item	
		25	Purchase Plan
		35	Subcontractor Plan
		AE	Attachment
		C1	Cost Data Summary
		C5	Certified Cost and Price Data
		C6	Wage Determination
		CP	Certificate of Compliance (Material Certification)
		CX	Cost/Schedule Status Report (C/SSR)
			Contract status report showing budget, performance, actual, cost variance, schedule variance, budget at complete, estimate at complete, and variance at complete at specified levels of the work breakdown structure
		CY	Contract Funds Status Report (CFSR)
			Status report for funds appropriation including commitments, actual cost, forecast of billings, and estimated termination costs
		DW	Drawing(s)
		F1	Cost Performance Report (CPR) Format 1
			Detailed contract status report including current reporting month values at specified levels of the work breakdown structure
		F2	Cost Performance Report (CPR) Format 2
			Detailed contract status report at specified levels of the organization breakdown structure
		F3	Cost Performance Report (CPR) Format 3
			Contract baseline report that summarizes changes to the contract over a given reporting period with beginning and ending values
		F4	Cost Performance Report (CPR) Format 4
			Contract resource summary report that forecasts labor requirements for the remainder of a contract
		F5	Cost Performance Report (CPR) Format 5
			Contract summary or detail report explaining significant

			cost or schedule variances
		IT	Certified Inspection and Test Results
		KA	Contract Data Requirements List (CDRL)
		MR	Material Inspection and Receiving Report
		MS	Material Safety Data Sheet
		PD	Proof of Delivery
		PJ	Purchasing Specification
			Specifications, generated by a customer, setting acceptance limits on the properties or performance of the product being purchased; purchasing specifications may additionally supply instructions for packaging, transportation, delivery, and payments
		PM	Proof of Insurance
		S9	Representation
			A statement (report) by a prospective contractor that makes a representation about a specific condition
		SD	Support Data for a Request for Quote
		SN	Shipping Notice
		SP	Specification
		TO	Demand Report
		UA	Union Agreement
		US	"BUY AMERICA" Certification of Compliance
PWK02	756	Report Transmission Code	O ID 1/2
			Code defining timing, transmission method or format by which reports are to be sent
		BE	By Mail and Electronically
		BM	By Mail
		CF	Courier
		DA	Data
		EL	Electronically Only
		FX	By Fax
		IA	Electronic Image
		WS	With Shipment (With Package)
PWK03	757	Report Copies Needed	O NO 1/2
			The number of copies of a report that should be sent to the addressee
PWK04	98	Entity Identifier Code	O ID 2/2
			Code identifying an organizational entity, a physical location, or an individual
		44	Data Processing Service Bureau
		BY	Buying Party (Purchaser)
		IS	Party to Receive Certified Inspection Report
		KF	Audit Office
			The office performing the audit
		KG	Project Manager
			The address of the person responsible for the management of a designated project
		KY	Technical Office
Not Used	PWK05	66	Identification Code Qualifier
			X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)
Not Used	PWK06	67	Identification Code
			X AN 2/20
			Code identifying a party or other code

	PWK07	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	
	PWK08	C002	Actions Indicated	O
			Actions to be performed on the piece of paperwork identified	
Must Use	C00201	704	Paperwork/Report Action Code	M ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required	
			2 Report to be Filed	
			5 Generate	
			PV Provided	
Not Used	C00202	704	Paperwork/Report Action Code	O ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required	
Not Used	C00203	704	Paperwork/Report Action Code	O ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required	
Not Used	C00204	704	Paperwork/Report Action Code	O ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required	
Not Used	C00205	704	Paperwork/Report Action Code	O ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required	

Segment: **PKG** Marking, Packaging, Loading

Position: 080

Loop: PO1

Level: Detail

Usage: Optional

Max Use: 200

Purpose: To describe marking, packaging, loading, and unloading requirements

Syntax Notes:

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

Semantic Notes:

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

Comments:

- 1 Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
- 2 If PKG01 = "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>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
PKG01	349	Item Description Type	X ID 1/1
		Code indicating the format of a description	
		F Free-form	
		S Structured (From Industry Code List)	
		X Semi-structured (Code and Text)	
PKG02	753	Packaging Characteristic Code	O ID 1/5
		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	
PKG03	559	Agency Qualifier Code	X ID 2/2
		Code identifying the agency assigning the code values	
		DF Department of Defense (DoD)	
		GS General Services Administration (GSA)	
		Responsible for Federal Specification	
		ZZ Mutually Defined	
PKG04	754	Packaging Description Code	X AN 1/7
		A code from an industry code list which provides specific data about the	

	PKG05	352	marking, packaging or loading and unloading of a product Description	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
Not Used	PKG06	400	Unit Load Option Code	X	ID 2/2
			Code identifying loading or unloading a shipment		

Segment:	PO4 Item Physical Details
Position:	090
Loop:	PO1
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify the physical qualities, packaging, weights, and dimensions relating to the item
Syntax Notes:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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. Des.	Data Element	Name	Attributes
PO401	356	Pack	O N0 1/6
		Number of inner pack units per outer pack unit	
PO402	357	Size	X R 1/8
		Size of supplier units in pack	
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	
		Refer to 003050 Data Element Dictionary for acceptable code values.	
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	
		PAT A pallet that permits entry of handling equipment on each of its four sides Pallet - 2 Way	
		SRW A pallet that permits entry of handling equipment on opposing two of its four sides Shrink Wrap	
		UNT 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 Unit	
PO405	187	Weight Qualifier	O ID 1/2
		Code defining the type of weight	
		Refer to 003050 Data Element Dictionary for acceptable code values.	

PO406	384	Gross Weight per Pack	X	R 1/9
		Numeric value of gross weight per pack		
PO407	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		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
PO408	385	Gross Volume per Pack	X	R 1/9
		Numeric value of gross volume per pack		
PO409	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		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
PO410	82	Length	X	R 1/8
		Largest horizontal dimension of an object measured when the object is in the upright position		
PO411	189	Width	X	R 1/8
		Shorter measurement of the two horizontal dimensions measured with the object in the upright position		
PO412	65	Height	X	R 1/8
		Vertical dimension of an object measured when the object is in the upright position		
PO413	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		
		Refer to 003050 Data Element Dictionary for acceptable code values.		
PO414	810	Inner Pack	O	N0 1/6
		Number of units in each selling pack		

Segment: **REF** Reference Numbers

Position: 100

Loop: PO1

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

Ref. Des.	Data Element	Name	Attributes
Must Use REF01	128	Reference Number Qualifier	M ID 2/2
		Code qualifying the Reference Number.	
	16	Military Interdepartmental Purchase Request (MIPR) Number	
		A specific form used to transmit obligation authority (dollars) and requirements between a service or agency requiring a purchase and a military service or agency responsible for procuring the requirement	
	2E	Foreign Military Sales Case Number	
		A reference number designating the foreign military sale records	
	2Y	Wage Determination	
	73	Statement of Work (SOW)	
		Description of a product or service to be procured under a contract; statement of requirements	
	82	Data Item Description (DID) Reference	
		Specific data elements that the government will ask a contractor to provide and are spelled out in specific requirement documents	
	83	Extended (or Exhibit) Line Item Number (ELIN)	
		Identifies specific line items to be delivered for a contract	
	97	Package Number	
		A serial number indicating unit shipped	
	9G	Department of Defense Form 250 Requirement Code	
	CT	Contract Number	
	DG	Drawing Number	
	EV	Receiver Identification Number	
		A unique number identifying the organization/site location designated to receive the current transmitted transaction set	
	IJ	Standard Industry Classification (SIC) Code	
	IL	Internal Order Number	
	IQ	End Item	
	IX	Item Number	
	K0	Approval Code	
	KL	Contract Reference	
	KV	Distribution Statement Code	

LT	Lot Number
LX	Qualified Products List
NI	Military Standard (MIL-STD) Number
NJ	Technical Document Number
NL	Technical Order Number
P4	Project Code
PH	Priority Rating
QC	Product Specification Document Number
	Model designation of replacement component
RQ	Purchase Requisition No.
RS	Returnable Container Serial Number
S2	Military Specification Number (MILSPEC)
S3	Specification Number
TN	Transaction Reference Number
TP	Test Specification Number
VQ	Related Contract Line Item Number
VW	Standard
W2	Weapon System Number
	Identifies a weapon system
W6	Federal Supply Schedule Number
	Identifies an item with a two-digit group number, two-digit part number, and one-character section letter
W8	Suffix
	Differentiates between partial actions taken on the original transaction
XE	Transportation Priority Number
	Number indicating the level of government priority associated with the transportation of a shipment
ZZ	Mutually Defined

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.		
REF03	352	Description	X	AN 1/80
		A free-form description to clarify the related data elements and their content		

Segment: **PER** Administrative Communications Contact
Position: 110
Loop: PO1
Level: Detail
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use PER01	366	Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person or group named	
		AU Report Authorizer	
		BD Buyer Name or Department	
		PI Preparer	
		A firm, organization, or individual who determines the tax liability from information supplied by the taxpayer	
PER02	93	Name	O AN 1/35
		Free-form name	
PER03	365	Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		AU Defense Switched Network	
		Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	
		EM Electronic Mail	
		FX Facsimile	
		IT International Telephone	
		TE Telephone	
PER04	364	Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
PER05	365	Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		AU Defense Switched Network	
		Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	
		EM Electronic Mail	
		EX Telephone Extension	
		FX Facsimile	
		IT International Telephone	
		TE Telephone	
PER06	364	Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	

PER07	365	Communication Number Qualifier	X	ID 2/2
		Code identifying the type of communication number		
		AU Defense Switched Network		
		Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)		
		EM Electronic Mail		
		EX Telephone Extension		
		FX Facsimile		
		IT International Telephone		
		TE Telephone		
PER08	364	Communication Number	X	AN 1/80
		Complete communications number including country or area code when applicable		
PER09	443	Contact Inquiry Reference	O	AN 1/20
		Additional reference number or description to clarify a contact number		

Segment:	SAC Service, Promotion, Allowance, or Charge Information
Position:	130
Loop:	PO1
Level:	Detail
Usage:	Optional
Max Use:	25
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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SAC01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified R Allowance Request	M ID 1/1
	SAC02	1300	Service, Promotion, Allowance, or Charge Code Code identifying the service, promotion, allowance, or charge Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 4/4
Not Used	SAC03	559	Agency Qualifier Code Code identifying the agency assigning the code values	X ID 2/2
Not Used	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code Agency maintained code identifying the service, promotion, allowance, or charge	X AN 1/10
Not Used	SAC05	610	Amount Monetary amount	O N2 1/15
Not Used	SAC06	378	Allowance/ Charge Percent Qualifier Code indicating on what basis allowance or charge percent is calculated	X ID 1/1
Not Used	SAC07	332	Percent	X R 1/6

			Percent expressed as a percent		
Not Used	SAC08	118	Rate	O	R 1/9
			Rate expressed in the standard monetary denomination for the currency specified		
Not Used	SAC09	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		
Not Used	SAC10	380	Quantity	X	R 1/15
			Numeric value of quantity		
Not Used	SAC11	380	Quantity	O	R 1/15
			Numeric value of quantity		
Not Used	SAC12	331	Allowance or Charge Method of Handling Code	O	ID 2/2
			Code indicating method of handling for an allowance or charge		
Not Used	SAC13	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.		
Not Used	SAC14	770	Option Number	O	AN 1/20
			A unique number identifying available promotion or allowance options when more than one is offered		
Not Used	SAC15	352	Description	O	AN 1/80
			A free-form description to clarify the related data elements and their content		

Segment: **IT8** **Conditions of Sale**
Position: 140
Loop: PO1
Level: Detail
Usage: Optional
Max Use: 25
Purpose: To specify general conditions or requirements and to detail conditions for substitution of alternate products

Syntax Notes: 1 At least one of IT801 IT802 IT803 IT805 or IT807 is required.
 2 If either IT808 or IT809 is present, then the other is required.
 3 If either IT810 or IT811 is present, then the other is required.
 4 If either IT812 or IT813 is present, then the other is required.
 5 If either IT814 or IT815 is present, then the other is required.
 6 If either IT816 or IT817 is present, then the other is required.
 7 If either IT818 or IT819 is present, then the other is required.
 8 If either IT820 or IT821 is present, then the other is required.
 9 If either IT822 or IT823 is present, then the other is required.
 10 If either IT824 or IT825 is present, then the other is required.
 11 If either IT826 or IT827 is present, then the other is required.

Semantic Notes: 1 IT803 is the maximum monetary amount value which the order must not exceed.
 2 IT804 is the account number to which the purchase amount is to be charged.
 3 IT805 is the date specified by the sender to be shown on the invoice.

Comments: 1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of ID's.
 2 IT808 through IT827 provides for ten (10) different product/service ID's for each item. Example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
IT801	563	Sales Requirement Code	X ID 1/2
		Code to identify a specific requirement or agreement of sale	
		BC	Restricted to Historically Black College or University or Minority Institution
		C	Consignment
		EI	Restricted to Educational Institutions
		IP	Restricted to Industrial Preparedness Program Participants
		IS	Substitute Item Allowed
		P2	Ship As Soon As Possible
		P4	Do Not Preship
		QB	On Qualified Bidders List
		QM	On Qualified Manufacturers List
		QP	Restricted to Qualified Products List (QPL) Products
		SC	Ship Complete
		SV	Ship Per Release
		UC	Restricted to U.S. and Canadian Sources
		UL	Other Unlisted Sales Condition
		UP	Unrestricted Procurement
		YI	Restricted to Young Investigator Program
		Z	Mutually Defined
Not Used IT802	564	Do-Not-Exceed Action Code	X ID 1/1
		Code indicating the action to be taken if the order amount exceeds the value of	

			Do-Not-Exceed Amount (565)		
Not Used	IT803	610	Amount	X	N2 1/15
			Monetary amount		
Not Used	IT804	508	Account Number	O	AN 1/35
			Account number assigned		
Not Used	IT805	373	Date	X	DT 6/6
			Date (YYMMDD)		
Not Used	IT806	559	Agency Qualifier Code	O	ID 2/2
			Code identifying the agency assigning the code values		
	IT807	566	Product/Service Substitution Code	X	ID 1/2
			Code indicating product or service substitution conditions		
			A No Quantity or Unit of Measure Change Allowed		
			B0 No Substitution Allowed		
			X Equivalent Item Substitution		
			Y Alternate Item Substitution Allowed		
Not Used	IT808	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	IT809	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
Not Used	IT810	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	IT811	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
Not Used	IT812	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	IT813	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
Not Used	IT814	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	IT815	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
Not Used	IT816	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	IT817	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
Not Used	IT818	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	IT819	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
Not Used	IT820	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	IT821	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
Not Used	IT822	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	IT823	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		

Not Used	IT824	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	IT825	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
Not Used	IT826	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	IT827	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		

Segment: FOB F.O.B. Related Instructions**Position:** 180**Loop:** PO1**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**

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	
		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)	
		PE Prepaid and Summary Bill	
		PP Prepaid (by Seller)	
		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)	
	FOB02	309 Location Qualifier	X ID 1/2
		Code identifying type of location	
		DE Destination (Shipping)	
		FV Free Alongside Vessel (Free On Board [F.O.B.] Point)	
		IT Intermediate FOB Point	
		A location indicating the point of destination is not the origin or final destination but rather at some other point	
		KE Port of Embarkation	
		KL Port of Loading	
		OR Origin (Shipping Point)	
		W Worldwide Geographic Location Code	
		ZZ Mutually Defined	
Not Used	FOB03	352 Description	O AN 1/80
		A free-form description to clarify the related data elements and their content	
Not Used	FOB04	334 Transportation Terms Qualifier Code	O ID 2/2
		Code identifying the source of the transportation terms	
Not Used	FOB05	335 Transportation Terms Code	X ID 3/3
		Code identifying the trade terms which apply to the shipment transportation responsibility	
	FOB06	309 Location Qualifier	X ID 1/2

Code identifying type of location

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

Not Used	FOB07	352	Description	O	AN 1/80
			A free-form description to clarify the related data elements and their content		
Not Used	FOB08	54	Risk of Loss Qualifier	O	ID 2/2
			Code specifying where responsibility for risk of loss passes		
Not Used	FOB09	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements and their content		

Segment:	SDQ Destination Quantity
Position:	190
Loop:	PO1
Level:	Detail
Usage:	Optional
Max Use:	50
Purpose:	To specify destination and quantity detail
Syntax Notes:	<ol style="list-style-type: none"> 1 If either SDQ05 or SDQ06 is present, then the other is required. 2 If either SDQ07 or SDQ08 is present, then the other is required. 3 If either SDQ09 or SDQ10 is present, then the other is required. 4 If either SDQ11 or SDQ12 is present, then the other is required. 5 If either SDQ13 or SDQ14 is present, then the other is required. 6 If either SDQ15 or SDQ16 is present, then the other is required. 7 If either SDQ17 or SDQ18 is present, then the other is required. 8 If either SDQ19 or SDQ20 is present, then the other is required. 9 If either SDQ21 or SDQ22 is present, then the other is required.
Semantic Notes:	1 SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.
Comments:	<ol style="list-style-type: none"> 1 SDQ02 is used only if different than previously defined in the transaction set. 2 SDQ03 is the store number. 3 SDQ23 may be used to identify areas within a store, e.g., front room, back room, selling outpost, end aisle display, etc. The value is agreed to by trading partners or industry conventions.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SDQ01	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.	M ID 2/2
	SDQ02	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) <ol style="list-style-type: none"> 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 10 Department of Defense Activity Address Code (DODAAC) 33 Commercial and Government Entity (CAGE) A2 Military Assistance Program Address Code (MAPAC) Contained in the Military Assistance Program Address Directory (MAPAD); represents the location of an entity 	O ID 1/2
Must Use	SDQ03	67	Identification Code Code identifying a party or other code	M AN 2/20
Must Use	SDQ04	380	Quantity Numeric value of quantity	M R 1/15
	SDQ05	67	Identification Code Code identifying a party or other code	X AN 2/20
	SDQ06	380	Quantity Numeric value of quantity	X R 1/15
	SDQ07	67	Identification Code Code identifying a party or other code	X AN 2/20

	SDQ08	380	Quantity Numeric value of quantity	X	R 1/15
	SDQ09	67	Identification Code Code identifying a party or other code	X	AN 2/20
	SDQ10	380	Quantity Numeric value of quantity	X	R 1/15
	SDQ11	67	Identification Code Code identifying a party or other code	X	AN 2/20
	SDQ12	380	Quantity Numeric value of quantity	X	R 1/15
	SDQ13	67	Identification Code Code identifying a party or other code	X	AN 2/20
	SDQ14	380	Quantity Numeric value of quantity	X	R 1/15
	SDQ15	67	Identification Code Code identifying a party or other code	X	AN 2/20
	SDQ16	380	Quantity Numeric value of quantity	X	R 1/15
	SDQ17	67	Identification Code Code identifying a party or other code	X	AN 2/20
	SDQ18	380	Quantity Numeric value of quantity	X	R 1/15
	SDQ19	67	Identification Code Code identifying a party or other code	X	AN 2/20
	SDQ20	380	Quantity Numeric value of quantity	X	R 1/15
	SDQ21	67	Identification Code Code identifying a party or other code	X	AN 2/20
	SDQ22	380	Quantity Numeric value of quantity	X	R 1/15
Not Used	SDQ23	310	Location Identifier Code which identifies a specific location	O	AN 1/30

Segment: **DTM** Date/Time Reference
Position: 200
Loop: PO1
Level: Detail
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				
	Ref.	Data	Name	Attributes
Must Use	Des.	Element		M ID 3/3
	DTM01	374	Date/Time Qualifier	
			Code specifying type of date or time, or both date and time	
			002	Delivery Requested
			007	Effective
			017	Estimated Delivery
			063	Do Not Deliver After
			064	Do Not Deliver Before
			077	Requested for Delivery (Week of)
			106	Required By
			174	Month Ending
			193	Period Start
			194	Period End
			275	Approved
				Date report was approved by contractor representative
			368	Submittal
				Date an item was submitted to a customer
			375	Delivery Start
				The date that deliveries will begin
			376	Delivery End
				The date that deliveries will end
			405	Production
				Used to identify dates and times that operations or processes were performed
			565	Date of Property Inspection
			600	As Of
			601	First Submission
			602	Subsequent Submission
			641	Option
			937	Department of Labor Wage Determination Date
			996	Required Delivery
				A date on which or before, ordered goods or services must be delivered
	DTM02	373	Date	X DT 6/6
			Date (YYMMDD)	
	DTM03	337	Time	X TM 4/8

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

Segment:	TD5	Carrier Details (Routing Sequence/Transit Time)
Position:	250	
Loop:	PO1	
Level:	Detail	
Usage:	Optional	
Max Use:	12	
Purpose:	To specify the carrier and sequence of routing and provide transit time information	
Syntax Notes:	1 At least one of TD502 TD504 TD505 TD506 or TD512 is required. 2 If TD502 is present, then TD503 is required. 3 If TD507 is present, then TD508 is required. 4 If TD510 is present, then TD511 is required.	
Semantic Notes:		
Comments:	1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.	

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Not Used	TD501	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement	O ID 1/2
	TD502	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 10 Department of Defense Activity Address Code (DODAAC)	X ID 1/2
	TD503	67	Identification Code Code identifying a party or other code	X AN 2/20
	TD504	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 1/2
Not Used	TD505	387	Routing Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	X AN 1/35
Not Used	TD506	368	Shipment/Order Status Code Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction	X ID 2/2
Not Used	TD507	309	Location Qualifier Code identifying type of location	O ID 1/2
Not Used	TD508	310	Location Identifier Code which identifies a specific location	X AN 1/30
Not Used	TD509	731	Transit Direction Code The point of origin and point of direction	O ID 2/2
Not Used	TD510	732	Transit Time Direction Qualifier Code specifying the value of time used to measure the transit time	O ID 2/2
Not Used	TD511	733	Transit Time The numeric amount of transit time	X R 1/4
	TD512	284	Service Level Code Code defining service Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 2/2

Segment: **TD4** Carrier Details (Special Handling, or Hazardous Materials, or Both)

Position: 270

Loop: PO1

Level: Detail

Usage: Optional

Max Use: 5

Purpose: To specify transportation special handling requirements, or hazardous materials information, or both

Syntax Notes: 1 At least one of TD401 TD402 or TD404 is required.

2 If TD402 is present, then TD403 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>
TD401	152	Special Handling Code Code specifying special transportation handling instructions Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 2/3
TD402	208	Hazardous Material Code Qualifier Code which qualifies the Hazardous Material Class Code (209) Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 1/1
TD403	209	Hazardous Material Class Code Code specifying the kind of hazard for a material	X AN 2/4
TD404	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80

Segment:	MAN Marks and Numbers
Position:	280
Loop:	PO1
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To indicate identifying marks and numbers for shipping containers
Syntax Notes:	<ol style="list-style-type: none"> 1 If either MAN04 or MAN05 is present, then the other is required. 2 If MAN06 is present, then MAN05 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container. 2 When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range. 3 When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.
Comments:	<ol style="list-style-type: none"> 1 When MAN01 contains code UC (U.P.C. Shipping Container Code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06. 2 MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers. When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	MAN01	88	Marks and Numbers Qualifier Code specifying the application or source of Marks and Numbers (87) L Line Item Only	M ID 1/2
Must Use	MAN02	87	Marks and Numbers Marks and numbers used to identify a shipment or parts of a shipment	M AN 1/45
	MAN03	87	Marks and Numbers Marks and numbers used to identify a shipment or parts of a shipment	O AN 1/45
	MAN04	88	Marks and Numbers Qualifier Code specifying the application or source of Marks and Numbers (87) L Line Item Only	X ID 1/2
	MAN05	87	Marks and Numbers Marks and numbers used to identify a shipment or parts of a shipment	X AN 1/45
	MAN06	87	Marks and Numbers Marks and numbers used to identify a shipment or parts of a shipment	O AN 1/45

Segment: **RRA** Required Response
Position: 290
Loop: PO1
Level: Detail
Usage: Optional
Max Use: 25
Purpose: To indicate information that is required to be included in the response
Syntax Notes:
Semantic Notes: 1 Use RRA02 only to specify applicable regulatory or contractual clause.
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use RRA01	701	Information Type Code specifying the information required in the response 14 As Indicated by the Cited Reference	M ID 2/2
RRA02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	O AN 1/30

Segment: **MSG** Message Text
Position: 295
Loop: PO1
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

	Ref. Des.	Data Element	Name	Attributes
Must Use	MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264
Not Used	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: **SPI** Specification Identifier
Position: 296
Loop: PO1
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To provide a description of the included specification or technical data items
Syntax Notes: 1 If either SPI02 or SPI03 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>
Must Use	SPI01	786	Security Level Code Code indicating the level of confidentiality assigned by the sender to the information following 92 Government Confidential 93 Government Secret 94 Government Top Secret	M ID 2/2
	SPI02	128	Reference Number Qualifier Code qualifying the Reference Number. Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 2/2
	SPI03	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
	SPI04	790	Entity Title Title of the data entity	O AN 1/132
Not Used	SPI05	791	Entity Purpose The reason for the existence of the data item specified by the electronic data item independent of its presence in an EDI transaction	O AN 1/80
Not Used	SPI06	792	Entity Status Code Code indicating the current status of the data item specified by the electronic data item	O ID 1/1
Not Used	SPI07	353	Transaction Set Purpose Code Code identifying purpose of transaction set	O ID 2/2
Not Used	SPI08	755	Report Type Code Code indicating the title or contents of a document, report or supporting item	O ID 2/2
Not Used	SPI09	786	Security Level Code Code indicating the level of confidentiality assigned by the sender to the information following	O ID 2/2
Not Used	SPI10	559	Agency Qualifier Code Code identifying the agency assigning the code values	O ID 2/2
Not Used	SPI11	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O AN 1/15
Not Used	SPI12	554	Assigned Number Number assigned for differentiation within a transaction set	O N0 1/6
Not Used	SPI13	1322	Certification Type Code Code indicating the type of certification	O ID 1/1
Not Used	SPI14	1401	Proposal Data Detail Identifier Code Code identifying the basis of a cited value in a proposal	O ID 1/3

Segment: SCH Line Item Schedule
Position: 297
Loop: SCH
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the data for scheduling a specific line-item
Syntax Notes: 1 If SCH03 is present, then SCH04 is required.
 2 If SCH08 is present, then at least one of SCH09 or SCH10 is required.
 3 If SCH09 is present, then SCH08 is required.
 4 If SCH10 is present, then SCH08 is required.
Semantic Notes: 1 SCH12 is the schedule identification.
Comments: 1 SCH05 specifies the interpretation to be used for SCH06 and SCH07.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	SCH01	380	Quantity Numeric value of quantity	M R 1/15
Must Use	SCH02	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.	M ID 2/2
Not Used	SCH03	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual	O ID 2/2
Not Used	SCH04	93	Name Free-form name	X AN 1/35
Must Use	SCH05	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	M ID 3/3
		002	Delivery Requested	
		017	Estimated Delivery	
		063	Do Not Deliver After	
		064	Do Not Deliver Before	
		077	Requested for Delivery (Week of)	
		106	Required By	
		174	Month Ending	
		358	Cycle Begin Date on which the cycle begins	
		375	Delivery Start The date that deliveries will begin	
		996	Required Delivery A date on which or before, ordered goods or services must be delivered	
Must Use	SCH06	373	Date Date (YYMMDD)	M DT 6/6
	SCH07	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)	O TM 4/8
	SCH08	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	X ID 3/3

		002	Delivery Requested		
		017	Estimated Delivery		
		063	Do Not Deliver After		
		064	Do Not Deliver Before		
		077	Requested for Delivery (Week of)		
		106	Required By		
		174	Month Ending		
		359	Cycle End		
			Date on which the cycle ends		
		376	Delivery End		
			The date that deliveries will end		
		996	Required Delivery		
			A date on which or before, ordered goods or services must be delivered		
SCH09	373	Date		X	DT 6/6
		Date (YYMMDD)			
SCH10	337	Time		X	TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			
SCH11	326	Request Reference Number		O	AN 1/45
		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)			
Not Used	SCH12	350	Assigned Identification	O	AN 1/11
		Alphanumeric characters assigned for differentiation within a transaction set			

Segment: **LDT** Lead Time
Position: 302
Loop: LDT
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

Ref. Des.	Data Element	Name	Attributes
Must Use LDT01	345	Lead Time Code	M ID 2/2
		Code indicating the time range	
		AD From date of sample approval to first product shipment	
		AH From Date of Receipt of First Article to First Article Approval	
		AI From Date of a Specified Event to Delivery	
		AJ From Date of First Delivery to Date of Subsequent Delivery(ies)	
		AK From Date Of Latest Delivery To Final Delivery	
		AM From Date Of Previous Delivery To Date Of SubsequentDelivery	
		AV From Date of Award to Date of Latest Delivery	
		AW From Date of Award to Date of Earliest Delivery	
		AX From Date of Award to Date of Completion	
		AY From Date of Award to Date of Delivery	
		AZ From Date of Receipt of Item to Date of Approval of Item	
Must Use LDT02	380	Quantity	M R 1/15
		Numeric value of quantity	
Must Use LDT03	344	Unit of Time Period or Interval	M ID 2/2
		Code indicating the time period or interval	
		CY Calendar Year	
		DA Calendar Days	
		KK Maximum Calendar Days	
		MO Month	
		QY Quarter of a Year	
		SA Semiannual	
		WK Weeks	
LDT04	373	Date	O DT 6/6
		Date (YYMMDD)	

Segment: **QTY** Quantity
Position: 303
Loop: LDT
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify quantity information
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	QTY01	673	Quantity Qualifier Code specifying the type of quantity 1J Due The amount due to the customer 1K Time Units The number of time units such as 8 (hours) 52 Number of Originals K6 Drafts KF Duplicates SA Shipments	M ID 2/2
Must Use	QTY02	380	Quantity Numeric value of quantity	M R 1/15
	QTY03	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.	O ID 2/2

Segment: **MSG** Message Text
Position: 304
Loop: LDT
Level: Detail
Usage: Optional
Max Use: 1
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>
Must Use	MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264
Not Used	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: **LM** Code Source Information
Position: 305
Loop: LM
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.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
Must Use	LM01	559 Agency Qualifier Code Code identifying the agency assigning the code values DF Department of Defense (DoD)	M ID 2/2
Not Used	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: 306
Loop: LM
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>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
LQ01	1270	Code List Qualifier Code Code identifying a specific industry code list FX Frequency	O ID 1/3
LQ02	1271	Industry Code Code indicating a code from a specific industry code list	X AN 1/20

Segment: **N9** **Reference Number**
Position: 320
Loop: N9
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

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	N901	128	M ID 2/2
		Reference Number Qualifier	
		Code qualifying the Reference Number.	
		5N	Citation of Statute
		73	Statement of Work (SOW)
			Description of a product or service to be procured under a contract; statement of requirements
		BB	Authorization Number
			Proves that permission was obtained to provide a service
		CJ	Clause Number
		DF	Defense Federal Acquisition Regulations (DFAR)
		DX	Department/Agency Number
		EC	Circular
		FA	Federal Acquisition Regulations (FAR)
		GS	General Services Administration Regulations (GSAR)
		K7	Paragraph Number
		KD	Special Instructions Number
		KT	Request for Quotation Reference
			A discrete number assigned for identification purposes to a request for quotation
		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
		VB	Department of Veterans Affairs Acquisition Regulations (VAAR)
		ZZ	Mutually Defined
N902	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.	
	N903	369	Free-form Description X AN 1/45
		Free-form descriptive text	
	N904	373	Date O DT 6/6
		Date (YYMMDD)	
Not Used	N905	337	Time X TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
Not Used	N906	623	Time Code O ID 2/2
		Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	

Segment: **MSG** Message Text
Position: 330
Loop: N9
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>
Must Use	MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264
Not Used	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:	340
Loop:	N1
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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
Des.	Element		
Must Use	N101	98	Entity Identifier Code
			M ID 2/2
			Code identifying an organizational entity, a physical location, or an individual
		31	Postal Mailing Address
		44	Data Processing Service Bureau
		7G	Hazardous Material Office
		7L	Preliminary Inspection Location
		7M	Inspection and Acceptance Location
		88	Approver
			Manufacturer's representative approving claim for payment
		CY	Country
		EL	Established Location
		IC	Intermediate Consignee
		IS	Party to Receive Certified Inspection Report
		KF	Audit Office
			The office performing the audit
		KG	Project Manager
			The address of the person responsible for the management of a designated project
		KX	Free on Board Point
		KY	Technical Office
		KZ	Acceptance Location
		L1	Inspection Location
			Place where the item was viewed or inspected
		P1	Preparer
			The firm, organization, or individual who determines the tax liability from information supplied by the taxpayer
		PW	Pick Up Address
		R6	Requester
		ST	Ship To
		SV	Service Performance Site
			When services are contracted for, this describes the organization for whom or location address at which

			TS	those services will be performed		
			X2	Party to Receive Certified Test Results		
				Party to Perform Packaging		
				A party responsible for packaging an item after it has been produced		
			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)				
		1		D-U-N-S Number, Dun & Bradstreet		
		9		D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
		10		Department of Defense Activity Address Code (DODAAC)		
		16		ZIP Code		
		33		Commercial and Government Entity (CAGE)		
		A2		Military Assistance Program Address Code (MAPAC)		
				Contained in the Military Assistance Program Address Directory (MAPAD); represents the location of an entity		
N104	67	Identification Code			X	AN 2/20
		Code identifying a party or other code				
Not Used	N105	706	Entity Relationship Code		O	ID 2/2
			Code describing entity relationship			
Not Used	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:** 350**Loop:** N1**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**

	<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: 360
Loop: N1
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.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	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: 370
Loop: N1
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

Ref. Des.	Data Element	Name	Attributes
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	X ID 1/2
N406	310	Location Identifier Code which identifies a specific location	O AN 1/30

Segment: **PER** Administrative Communications Contact
Position: 390
Loop: N1
Level: Detail
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.
 2 If either PER05 or PER06 is present, then the other is required.
 3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named	M ID 2/2
		AV Advisor	
		IC Information Contact	
		PP Program Manager	
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
		AU Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	
		EM Electronic Mail	
		FX Facsimile	
		IT International Telephone	
		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
		AU Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	
		EM Electronic Mail	
		EX Telephone Extension	
		FX Facsimile	
		IT International Telephone	
		TE Telephone	
PER06	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
PER07	365	Communication Number Qualifier	X ID 2/2

Code identifying the type of communication number

AU	Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)
EM	Electronic Mail
EX	Telephone Extension
FX	Facsimile
IT	International Telephone
TE	Telephone

PER08	364	Communication Number	X	AN 1/80
		Complete communications number including country or area code when applicable		
PER09	443	Contact Inquiry Reference	O	AN 1/20
		Additional reference number or description to clarify a contact number		

Segment:	SCH Line Item Schedule
Position:	405
Loop:	N1
Level:	Detail
Usage:	Optional
Max Use:	200
Purpose:	To specify the data for scheduling a specific line-item
Syntax Notes:	<ol style="list-style-type: none"> 1 If SCH03 is present, then SCH04 is required. 2 If SCH08 is present, then at least one of SCH09 or SCH10 is required. 3 If SCH09 is present, then SCH08 is required. 4 If SCH10 is present, then SCH08 is required.
Semantic Notes:	1 SCH12 is the schedule identification.
Comments:	1 SCH05 specifies the interpretation to be used for SCH06 and SCH07.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SCH01	380	Quantity Numeric value of quantity	M R 1/15
Must Use	SCH02	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.	M ID 2/2
Not Used	SCH03	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual	O ID 2/2
Not Used	SCH04	93	Name Free-form name	X AN 1/35
Must Use	SCH05	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	M ID 3/3
		002	Delivery Requested	
		017	Estimated Delivery	
		063	Do Not Deliver After	
		064	Do Not Deliver Before	
		077	Requested for Delivery (Week of)	
		106	Required By	
		174	Month Ending	
		358	Cycle Begin Date on which the cycle begins	
		375	Delivery Start The date that deliveries will begin	
		996	Required Delivery A date on which or before, ordered goods or services must be delivered	
Must Use	SCH06	373	Date Date (YYMMDD)	M DT 6/6
	SCH07	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)	O TM 4/8
	SCH08	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	X ID 3/3

		002	Delivery Requested		
		017	Estimated Delivery		
		063	Do Not Deliver After		
		064	Do Not Deliver Before		
		077	Requested for Delivery (Week of)		
		106	Required By		
		174	Month Ending		
		359	Cycle End		
			Date on which the cycle ends		
		376	Delivery End		
			The date that deliveries will end		
		996	Required Delivery		
			A date on which or before, ordered goods or services must be delivered		
SCH09	373	Date		X	DT 6/6
		Date (YYMMDD)			
SCH10	337	Time		X	TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			
SCH11	326	Request Reference Number		O	AN 1/45
		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)			
Not Used	SCH12	350	Assigned Identification	O	AN 1/11
			Alphanumeric characters assigned for differentiation within a transaction set		

Segment:	TD5 Carrier Details (Routing Sequence/Transit Time)
Position:	420
Loop:	N1
Level:	Detail
Usage:	Optional
Max Use:	12
Purpose:	To specify the carrier and sequence of routing and provide transit time information
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of TD502 TD504 TD505 TD506 or TD512 is required. 2 If TD502 is present, then TD503 is required. 3 If TD507 is present, then TD508 is required. 4 If TD510 is present, then TD511 is required.
Semantic Notes:	
Comments:	<ol style="list-style-type: none"> 1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

Data Element Summary

Ref.	Data			
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Not Used	TD501	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement	O ID 1/2
	TD502	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 10 Department of Defense Activity Address Code (DODAAC)	X ID 1/2
	TD503	67	Identification Code Code identifying a party or other code	X AN 2/20
	TD504	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 1/2
Not Used	TD505	387	Routing Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	X AN 1/35
Not Used	TD506	368	Shipment/Order Status Code Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction	X ID 2/2
Not Used	TD507	309	Location Qualifier Code identifying type of location	O ID 1/2
Not Used	TD508	310	Location Identifier Code which identifies a specific location	X AN 1/30
Not Used	TD509	731	Transit Direction Code The point of origin and point of direction	O ID 2/2
Not Used	TD510	732	Transit Time Direction Qualifier Code specifying the value of time used to measure the transit time	O ID 2/2
Not Used	TD511	733	Transit Time The numeric amount of transit time	X R 1/4
	TD512	284	Service Level Code Code defining service Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 2/2

Segment: **TD4** Carrier Details (Special Handling, or Hazardous Materials, or Both)
Position: 440
Loop: N1
Level: Detail
Usage: Optional
Max Use: 5
Purpose: To specify transportation special handling requirements, or hazardous materials information, or both

Syntax Notes: 1 At least one of TD401 TD402 or TD404 is required.
 2 If TD402 is present, then TD403 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>
TD401	152	Special Handling Code Code specifying special transportation handling instructions Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 2/3
TD402	208	Hazardous Material Code Qualifier Code which qualifies the Hazardous Material Class Code (209) Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 1/1
TD403	209	Hazardous Material Class Code Code specifying the kind of hazard for a material	X AN 2/4
TD404	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:	450
Loop:	N1
Level:	Detail
Usage:	Optional
Max Use:	200
Purpose:	To describe marking, packaging, loading, and unloading requirements
Syntax Notes:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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

Ref. Des.	Data Element	Name	Attributes
PKG01	349	Item Description Type	X ID 1/1
		Code indicating the format of a description	
		F Free-form	
		S Structured (From Industry Code List)	
		X Semi-structured (Code and Text)	
PKG02	753	Packaging Characteristic Code	O ID 1/5
		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	
PKG03	559	Agency Qualifier Code	X ID 2/2
		Code identifying the agency assigning the code values	
		DF Department of Defense (DoD)	
		GS General Services Administration (GSA)	
		Responsible for Federal Specification	
		ZZ Mutually Defined	
PKG04	754	Packaging Description Code	X AN 1/7
		A code from an industry code list which provides specific data about the	

	PKG05	352	marking, packaging or loading and unloading of a product Description	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
Not Used	PKG06	400	Unit Load Option Code	X	ID 2/2
			Code identifying loading or unloading a shipment		

Segment: **LDT** Lead Time
Position: 470
Loop: LDT
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

Ref. Des.	Data Element	Name	Attributes
Must Use LDT01	345	Lead Time Code	M ID 2/2
		Code indicating the time range	
		AD From date of sample approval to first product shipment	
		AH From Date of Receipt of First Article to First Article Approval	
		AI From Date of a Specified Event to Delivery	
		AJ From Date of First Delivery to Date of Subsequent Delivery(ies)	
		AK From Date Of Latest Delivery To Final Delivery	
		AM From Date Of Previous Delivery To Date Of SubsequentDelivery	
		AV From Date of Award to Date of Latest Delivery	
		AW From Date of Award to Date of Earliest Delivery	
		AX From Date of Award to Date of Completion	
		AY From Date of Award to Date of Delivery	
		AZ From Date of Receipt of Item to Date of Approval of Item	
Must Use LDT02	380	Quantity	M R 1/15
		Numeric value of quantity	
Must Use LDT03	344	Unit of Time Period or Interval	M ID 2/2
		Code indicating the time period or interval	
		CY Calendar Year	
		DA Calendar Days	
		KK Maximum Calendar Days	
		MO Month	
		QY Quarter of a Year	
		SA Semiannual	
		WK Weeks	
LDT04	373	Date	O DT 6/6
		Date (YYMMDD)	

Segment:	MAN Marks and Numbers
Position:	480
Loop:	LDT
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To indicate identifying marks and numbers for shipping containers
Syntax Notes:	<ol style="list-style-type: none"> 1 If either MAN04 or MAN05 is present, then the other is required. 2 If MAN06 is present, then MAN05 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container. 2 When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range. 3 When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.
Comments:	<ol style="list-style-type: none"> 1 When MAN01 contains code UC (U.P.C. Shipping Container Code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06. 2 MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers. When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	MAN01	88	Marks and Numbers Qualifier Code specifying the application or source of Marks and Numbers (87) L Line Item Only	M ID 1/2
Must Use	MAN02	87	Marks and Numbers Marks and numbers used to identify a shipment or parts of a shipment	M AN 1/45
	MAN03	87	Marks and Numbers Marks and numbers used to identify a shipment or parts of a shipment	O AN 1/45
	MAN04	88	Marks and Numbers Qualifier Code specifying the application or source of Marks and Numbers (87) L Line Item Only	X ID 1/2
	MAN05	87	Marks and Numbers Marks and numbers used to identify a shipment or parts of a shipment	X AN 1/45
	MAN06	87	Marks and Numbers Marks and numbers used to identify a shipment or parts of a shipment	O AN 1/45

Segment: **QTY** Quantity
 Position: 490
 Loop: LDT
 Level: Detail
 Usage: Optional
 Max Use: 5
 Purpose: To specify quantity information
 Syntax Notes:
 Semantic Notes:
 Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	QTY01	673	Quantity Qualifier Code specifying the type of quantity	M ID 2/2
			1J Due The amount due to the customer	
			1K Time Units The number of time units such as 8 (hours)	
			52 Number of Originals	
			K6 Drafts	
			KF Duplicates	
			SA Shipments	
Must Use	QTY02	380	Quantity Numeric value of quantity	M R 1/15
	QTY03	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.	O ID 2/2

Segment: **MSG** Message Text
Position: 500
Loop: LDT
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

	Ref. Des.	Data Element	Name	Attributes
Must Use	MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264
Not Used	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: **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

	Ref.	Data		
	Des.	Element	Name	Attributes
Must Use	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.	O R 1/10
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.				
Not Used	CTT03	81	Weight Numeric value of weight	X R 1/10
Not Used	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
Not Used	CTT05	183	Volume Value of volumetric measure	X R 1/8
Not Used	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
Not Used	CTT07	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80

Segment: **SE** Transaction Set Trailer**Position:** 020**Loop:****Level:** Summary**Usage:** Mandatory**Max Use:** 1**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).**Syntax Notes:****Semantic Notes:****Comments:** 1 SE is the last segment of each transaction set.**Data Element Summary**

	Ref. Des.	Data Element	Name	Attributes
Must Use	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
Must Use	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

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