



## Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003050 Transaction Set 843  
Response to Request for Quotation  
(Revision 1)

### Implementation Convention



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

**T**he National Institute of Standards and Technology was established in 1988 by Congress to “assist industry in the development of technology . . . needed to improve product quality, to modernize manufacturing processes, to ensure product reliability . . . and to facilitate rapid commercialization . . . of products based on new scientific discoveries.”

NIST, originally founded as the National Bureau of Standards in 1901, works to strengthen U.S. industry’s competitiveness; advance science and engineering; and improve public health, safety, and the environment. One of the agency’s basic functions is to develop, maintain, and retain custody of the national standards of measurement, and provide the means and methods for comparing standards used in science, engineering, manufacturing, commerce, industry, and education with the standards adopted or recognized by the Federal Government.

As an agency of the U.S. Commerce Department’s Technology Administration, NIST conducts basic and applied research in the physical sciences and engineering, and develops measurement techniques, test methods, standards, and related services. The Institute does generic and precompetitive work on new and advanced technologies. NIST’s research facilities are located at Gaithersburg, MD 20899, and at Boulder, CO 80303. Major technical operating units and their principal activities are listed below. For more information contact the Publications and Program Inquiries Desk, 301-975-3058.

---

### **Office of the Director**

- National Quality Program
- International and Academic Affairs

### **Technology Services**

- Standards Services
- Technology Partnerships
- Measurement Services
- Technology Innovation
- Information Services

### **Advanced Technology Program**

- Economic Assessment
- Information Technology and Applications
- Chemical and Biomedical Technology
- Materials and Manufacturing Technology
- Electronics and Photonics Technology

### **Manufacturing Extension Partnership Program**

- Regional Programs
- National Programs
- Program Development

### **Electronics and Electrical Engineering Laboratory**

- Microelectronics
- Law Enforcement Standards
- Electricity
- Semiconductor Electronics
- Electromagnetic Fields<sup>1</sup>
- Electromagnetic Technology<sup>1</sup>
- Optoelectronics<sup>1</sup>

### **Chemical Science and Technology Laboratory**

- Biotechnology
- Physical and Chemical Properties<sup>2</sup>
- Analytical Chemistry
- Process Measurements
- Surface and Microanalysis Science

### **Physics Laboratory**

- Electron and Optical Physics
- Atomic Physics
- Optical Technology
- Ionizing Radiation
- Time and Frequency<sup>1</sup>
- Quantum Physics<sup>1</sup>

### **Materials Science and Engineering Laboratory**

- Intelligent Processing of Materials
- Ceramics
- Materials Reliability<sup>1</sup>
- Polymers
- Metallurgy
- NIST Center for Neutron Research

### **Manufacturing Engineering Laboratory**

- Precision Engineering
- Automated Production Technology
- Intelligent Systems
- Fabrication Technology
- Manufacturing Systems Integration

### **Building and Fire Research Laboratory**

- Structures
- Building Materials
- Building Environment
- Fire Safety Engineering
- Fire Science

### **Information Technology Laboratory**

- Mathematical and Computational Sciences<sup>2</sup>
- Advanced Network Technologies
- Computer Security
- Information Access and User Interfaces
- High Performance Systems and Services
- Distributed Computing and Information Services
- Software Diagnostics and Conformance Testing

---

<sup>1</sup>At Boulder, CO 80303.

<sup>2</sup>Some elements at Boulder, CO.

# **Federal Implementation Guideline for Electronic Data Interchange**

## **ASC X12 003050 Transaction Set 843 Response to Request for Quotation (Revision 1)**

### **Implementation Convention**

Electronic Commerce Acquisition Program Management Office  
Standard Management Committee - Secretariat  
National Institute of Standards and Technology  
Gaithersburg, MD 20899-0001

Editor: Dr. Jean-Philippe Favreau

January 1998



**U.S. DEPARTMENT OF COMMERCE**  
William M. Daley, Secretary

**Technology Administration**  
Gary R. Bachula, Acting Under Secretary for Technology

**National Institute of Standards and Technology**  
Raymond G. Kammer, Director

## **Reports on Information Technology**

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.

**National Institute of Standards and Technology Special Publication 881-41**  
**Natl. Inst. Stand. Technol. Spec. Publ. 881-41, 106 pages (Jan. 1998)**  
**CODEN: NSPUE2**

**U.S. GOVERNMENT PRINTING OFFICE**  
**WASHINGTON: 1998**

---

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402

# 843 Response to Request for Quotation

Functional Group ID=**RR**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Response to Request for Quotation Transaction Set (843) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide potential buyers with price, delivery schedule, and other terms from potential sellers of goods and services, in response to a request for such information.

## Heading:

	<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	ST	Transaction Set Header	M	1		
Must Use	020	BQR	Beginning Segment for Response to 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		
	095	PAM	Period Amount	O	10		
Not Used	110	CSH	Header Sale Condition	O	25		
	120	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
	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
Not Used	190	PID	Product/Item Description	O	200		
	200	MEA	Measurements	O	40		
	210	PWK	Paperwork	O	25		
	220	PKG	Marking, Packaging, Loading	O	25		
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		
Not Used	270	MAN	Marks and Numbers	O	10		
Not Used	280	CTB	Restrictions/ Conditions	O	5		
Not Used	285	CPR	Commodity Price Reference	O	2		
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		



## 843 - Response to 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	25
Not Used	430	MSG	Message Text	O	>1

## Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PO1			100000	
	010	PO1	Baseline Item Data	O	1		
Not Used	020	CUR	Currency	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		
	080	PKG	Marking, Packaging, Loading	O	25		
	090	PO4	Item Physical Details	O	>1		
	100	REF	Reference Numbers	O	>1		
Not Used	110	PER	Administrative Communications Contact	O	3		
	130	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
Not Used	140	IT8	Conditions of Sale	O	25		
	150	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
	160	DIS	Discount Detail	O	20		
Not Used	170	TAX	Tax Reference	O	3		
	180	FOB	F.O.B. Related Instructions	O	>1		
Not Used	190	SDQ	Destination Quantity	O	50		
	200	DTM	Date/Time Reference	O	10		
Not Used	230	FST	Forecast Schedule	O	5		
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		
Not Used	280	MAN	Marks and Numbers	O	10		
	289	MSG	Message Text	O	>1		
Not Used	290	CTB	Restrictions/ Conditions	O	5		
	291	SP1	Specification Identifier	O	>1		

## 843 - Response to Request for Quotation

LOOP ID - SCH			104	
	292	SCH	Line Item Schedule	O 1 n2
Not Used	293	TD1	Carrier Details (Quantity and Weight)	O 1
Not Used	294	TD5	Carrier Details (Routing Sequence/Transit Time)	O 12
Not Used	296	TD3	Carrier Details (Equipment)	O 12
Not Used	298	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O 5
LOOP ID - CST			100	
Not Used	300	CST	Cost Analysis	O 1
Not Used	310	PID	Product/Item Description	O 1
Not Used	320	CUR	Currency	O 1
Not Used	330	DTM	Date/Time Reference	O 2
LOOP ID - SLN			1000	
Not Used	340	SLN	Subline Item Detail	O 1
Not Used	350	PID	Product/Item Description	O 1000
LOOP ID - CST			100	
Not Used	360	CST	Cost Analysis	O 1
Not Used	370	PID	Product/Item Description	O 1
Not Used	380	CUR	Currency	O 1
Not Used	390	DTM	Date/Time Reference	O 2
LOOP ID - PD			>1	
	392	PD	Pricing Data	O 1
	393	PDD	Pricing Data Detail	O >1
LOOP ID - LDT			>1	
	394	LDT	Lead Time	O 1
	395	QTY	Quantity	O >1
	396	MSG	Message Text	O 1
LOOP ID - LM			>1	
	397	LM	Code Source Information	O 1
Must Use	398	LQ	Industry Code	M >1
LOOP ID - N9			1000	
	400	N9	Reference Number	O 1
	410	MSG	Message Text	O 1000
LOOP ID - N1			>1	
	420	N1	Name	O 1
	430	N2	Additional Name Information	O 2
	440	N3	Address Information	O 2
	450	N4	Geographic Location	O 1
Not Used	460	REF	Reference Numbers	O 12
	470	PER	Administrative Communications Contact	O 3
Not Used	480	FOB	F.O.B. Related Instructions	O 1
	485	SCH	Line Item Schedule	O 200
Not Used	490	TD1	Carrier Details (Quantity and Weight)	O 2
	500	TD5	Carrier Details (Routing Sequence/Transit Time)	O 12
Not Used	510	TD3	Carrier Details (Equipment)	O 12
	520	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O 5
	530	PKG	Marking, Packaging, Loading	O 25

## 843 - Response to Request for Quotation

LOOP ID - LDT				>1	
550	LDT	Lead Time	O	1	
560	MAN	Marks and Numbers	O	10	
570	QTY	Quantity	O	5	
580	MSG	Message Text	O	1	

**Summary:**

	<u>Pos.</u>	<u>Seg.</u>		<u>Req.</u>		<u>Loop</u>	<u>Notes and</u>
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Max.Use</u>	<u>Repeat</u>	<u>Comments</u>
Must Use	010	CTT	Transaction Totals	M	1		n3
	015	AMT	Monetary Amount	O	1		
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. 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 843 X12.8 Response to 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:** **BQR** Beginning Segment for Response to Request for Quotation  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of a Response to Request for Quote Transaction Set and transmit identifying numbers and dates  
**Syntax Notes:** 1 If either BQR04 or BQR05 is present, then the other is required.  
**Semantic Notes:** 1 BQR03 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	BQR01	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set	M ID 2/2
			00 Original	
			01 Cancellation	
			02 Add	
			03 Delete	
			04 Change	
			07 Duplicate	
Must Use	BQR02	586	<b>Request for Quote Reference Number</b> Number assigned by the purchaser to identify his request for quote	M AN 1/45
Must Use	BQR03	373	<b>Date</b> Date (YYMMDD)	M DT 6/6
Must Use	BQR04	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time	X ID 3/3
			098 Bid (Effective)	
			171 Revision	
			177 Cancellation	
			Date on which the coverage or service is no longer in force	
Must Use	BQR05	373	<b>Date</b> Date (YYMMDD)	X DT 6/6
	BQR06	379	<b>Bid Type Response Code</b> Code indicating the type of response to the request for bid or quote	O ID 2/2
			AB Alternate Bid	
			BF Best and Final	
			BI Bid Without Exception	
			BW Bid With Exception (Request for Information)	
			DQ Decline to Quote	
			RE Replacement	
			RT Request for Time Extension	
			UQ Unable to Quote	
	BQR07	786	<b>Security Level Code</b> Code indicating the level of confidentiality assigned by the sender to the information following	O ID 2/2
			06 Supplier Proprietary	
			11 Competition Sensitive	

92	Government Confidential
93	Government Secret
94	Government Top Secret

<b>Segment:</b>	<b>CUR</b> Currency
<b>Position:</b>	040
<b>Loop:</b>	
<b>Level:</b>	Heading
<b>Usage:</b>	Optional
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify the currency (dollars, pounds, francs, etc.) used in a transaction
<b>Syntax Notes:</b>	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.
<b>Semantic Notes:</b>	
<b>Comments:</b>	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>
<b>Must Use</b>	<b>CUR01</b>	<b>98</b>	<b>Entity Identifier Code</b> 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 PR Payer	<b>M ID 2/2</b>
<b>Must Use</b>	<b>CUR02</b>	<b>100</b>	<b>Currency Code</b> Code (Standard ISO) for country in whose currency the charges are specified	<b>M ID 3/3</b>
<b>Not Used</b>	<b>CUR03</b>	<b>280</b>	<b>Exchange Rate</b> Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	<b>O R 4/6</b>
	<b>CUR04</b>	<b>98</b>	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, or an individual PR Payer	<b>O ID 2/2</b>
	<b>CUR05</b>	<b>100</b>	<b>Currency Code</b> Code (Standard ISO) for country in whose currency the charges are specified	<b>O ID 3/3</b>
<b>Not Used</b>	<b>CUR06</b>	<b>669</b>	<b>Currency Market/Exchange Code</b> Code identifying the market upon which the currency exchange rate is based	<b>O ID 3/3</b>
<b>Not Used</b>	<b>CUR07</b>	<b>374</b>	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time	<b>X ID 3/3</b>
<b>Not Used</b>	<b>CUR08</b>	<b>373</b>	<b>Date</b> Date (YYMMDD)	<b>O DT 6/6</b>
<b>Not Used</b>	<b>CUR09</b>	<b>337</b>	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-	<b>O TM 4/8</b>

			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	CUR10	374	<b>Date/Time Qualifier</b> X ID 3/3 Code specifying type of date or time, or both date and time
Not Used	CUR11	373	<b>Date</b> X DT 6/6 Date (YYMMDD)
Not Used	CUR12	337	<b>Time</b> 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	CUR13	374	<b>Date/Time Qualifier</b> X ID 3/3 Code specifying type of date or time, or both date and time
Not Used	CUR14	373	<b>Date</b> X DT 6/6 Date (YYMMDD)
Not Used	CUR15	337	<b>Time</b> 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	CUR16	374	<b>Date/Time Qualifier</b> X ID 3/3 Code specifying type of date or time, or both date and time
Not Used	CUR17	373	<b>Date</b> X DT 6/6 Date (YYMMDD)
Not Used	CUR18	337	<b>Time</b> 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	CUR19	374	<b>Date/Time Qualifier</b> X ID 3/3 Code specifying type of date or time, or both date and time
Not Used	CUR20	373	<b>Date</b> X DT 6/6 Date (YYMMDD)
Not Used	CUR21	337	<b>Time</b> 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)



**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
		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	
		AH Agreement Number	
		C7 Contract Line Item Number	
		CH Customer catalog number	
		CR Customer Reference Number	
		CT Contract Number	
		DG Drawing Number	
		IJ Standard Industry Classification (SIC) Code	
		IX Item Number	
		LT Lot Number	
		LX Qualified Products List	
		NI Military Standard (MIL-STD) Number	
		P4 Project Code	
		PR Price Quote Number	
		QC Product Specification Document Number	
		Model designation of replacement component	
		S2 Military Specification Number (MILSPEC)	
		S3 Specification Number	
		TN Transaction Reference Number	
		TP Test Specification Number	
		VW Standard	
		W6 Federal Supply Schedule Number	
		Identifies an item with a two-digit group number, two-digit part number, and one-character section letter	
		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
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	<b>Description</b>		<b>O AN 1/80</b>
			A free-form description to clarify the related data elements and their content		
Not Used	FOB08	54	<b>Risk of Loss Qualifier</b>		<b>O ID 2/2</b>
			Code specifying where responsibility for risk of loss passes		
Not Used	FOB09	352	<b>Description</b>		<b>X AN 1/80</b>
			A free-form description to clarify the related data elements and their content		

<b>Segment:</b>	<b>PAM</b> Period Amount
<b>Position:</b>	095
<b>Loop:</b>	
<b>Level:</b>	Heading
<b>Usage:</b>	Optional
<b>Max Use:</b>	10
<b>Purpose:</b>	To indicate a quantity, and/or amount for an identified period
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If any of PAM01 PAM02 or PAM03 is present, then all are required.</li> <li>2 At least one of PAM02 or PAM05 is required.</li> <li>3 If either PAM04 or PAM05 is present, then the other is required.</li> <li>4 If either PAM06 or PAM07 is present, then the other is required.</li> <li>5 If PAM07 is present, then at least one of PAM08 or PAM09 is required.</li> <li>6 If PAM08 is present, then PAM07 is required.</li> <li>7 If PAM09 is present, then PAM07 is required.</li> <li>8 If PAM10 is present, then at least one of PAM11 or PAM12 is required.</li> <li>9 If PAM11 is present, then PAM10 is required.</li> <li>10 If either PAM13 or PAM14 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	1 PAM10, PAM11, or PAM12 are used when two dates are required.
<b>Comments:</b>	

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Not Used	PAM01	673	<b>Quantity Qualifier</b> Code specifying the type of quantity Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 2/2
Not Used	PAM02	380	<b>Quantity</b> Numeric value of quantity	X R 1/15
Not Used	PAM03	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 2/2
	PAM04	522	<b>Amount Qualifier Code</b> Code to qualify amount B0 Bond	X ID 1/2
	PAM05	782	<b>Monetary Amount</b> Monetary amount	X R 1/15
Not Used	PAM06	344	<b>Unit of Time Period or Interval</b> Code indicating the time period or interval Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 2/2
Not Used	PAM07	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 3/3
Not Used	PAM08	373	<b>Date</b> Date (YYMMDD)	X DT 6/6
Not Used	PAM09	337	<b>Time</b> 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	PAM10	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 3/3
Not Used	PAM11	373	<b>Date</b>	X DT 6/6

Not Used	PAM12	337	Date (YYMMDD)	
			<b>Time</b>	<b>X TM 4/8</b>
Not Used	PAM13	1004	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)	
			<b>Percent Qualifier</b>	<b>X ID 1/2</b>
Not Used	PAM14	954	Code to qualify percent	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	PAM14	954	<b>Percent</b>	<b>X R 1/10</b>
			Percentage expressed as a decimal	



<b>Segment:</b>	<b>SAC</b> Service, Promotion, Allowance, or Charge Information
<b>Position:</b>	120
<b>Loop:</b>	
<b>Level:</b>	Heading
<b>Usage:</b>	Optional
<b>Max Use:</b>	25
<b>Purpose:</b>	To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of SAC02 or SAC03 is required.</li> <li>2 If either SAC03 or SAC04 is present, then the other is required.</li> <li>3 If either SAC06 or SAC07 is present, then the other is required.</li> <li>4 If either SAC09 or SAC10 is present, then the other is required.</li> <li>5 If SAC11 is present, then SAC10 is required.</li> <li>6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.</li> <li>7 If SAC14 is present, then SAC13 is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.</li> <li>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.</li> <li>3 SAC08 is the allowance or charge rate per unit.</li> <li>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.</li> <li>5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.</li> <li>6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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.</li> <li>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.</li> </ol>

## 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	<b>Allowance or Charge Indicator</b> Code which indicates an allowance or charge for the service specified A Allowance C Charge N No Allowance or Charge	M ID 1/1
	SAC02	1300	<b>Service, Promotion, Allowance, or Charge Code</b> 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	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values	X ID 2/2
Not Used	SAC04	1301	<b>Agency Service, Promotion, Allowance, or Charge Code</b> Agency maintained code identifying the service, promotion, allowance, or charge	X AN 1/10
	SAC05	610	<b>Amount</b> Monetary amount	O N2 1/15
	SAC06	378	<b>Allowance/ Charge Percent Qualifier</b>	X ID 1/1

			Code indicating on what basis allowance or charge percent is calculated Refer to 003050 Data Element Dictionary for acceptable code values.		
	<b>SAC07</b>	<b>332</b>	<b>Percent</b> Percent expressed as a percent	<b>X</b>	<b>R 1/6</b>
	<b>SAC08</b>	<b>118</b>	<b>Rate</b> Rate expressed in the standard monetary denomination for the currency specified	<b>O</b>	<b>R 1/9</b>
	<b>SAC09</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003050 Data Element Dictionary for acceptable code values.	<b>X</b>	<b>ID 2/2</b>
	<b>SAC10</b>	<b>380</b>	<b>Quantity</b> Numeric value of quantity	<b>X</b>	<b>R 1/15</b>
	<b>SAC11</b>	<b>380</b>	<b>Quantity</b> Numeric value of quantity	<b>O</b>	<b>R 1/15</b>
<b>Not Used</b>	<b>SAC12</b>	<b>331</b>	<b>Allowance or Charge Method of Handling Code</b> Code indicating method of handling for an allowance or charge	<b>O</b>	<b>ID 2/2</b>
<b>Not Used</b>	<b>SAC13</b>	<b>127</b>	<b>Reference Number</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	<b>X</b>	<b>AN 1/30</b>
<b>Not Used</b>	<b>SAC14</b>	<b>770</b>	<b>Option Number</b> A unique number identifying available promotion or allowance options when more than one is offered	<b>O</b>	<b>AN 1/20</b>
<b>Not Used</b>	<b>SAC15</b>	<b>352</b>	<b>Description</b> A free-form description to clarify the related data elements and their content	<b>O</b>	<b>AN 1/80</b>

<b>Segment:</b>	<b>ITD</b> Terms of Sale/Deferred Terms of Sale
<b>Position:</b>	130
<b>Loop:</b>	
<b>Level:</b>	Heading
<b>Usage:</b>	Optional
<b>Max Use:</b>	5
<b>Purpose:</b>	To specify terms of sale
<b>Syntax Notes:</b>	1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required. 2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required. 3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.
<b>Semantic Notes:</b>	1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.
<b>Comments:</b>	1 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Not Used	ITD01	336	Terms Type Code Code identifying type of payment terms	O ID 2/2
Not Used	ITD02	333	Terms Basis Date Code Code identifying the beginning of the terms period	O ID 1/2
	ITD03	338	Terms Discount Percent Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	O R 1/6
Not Used	ITD04	370	Terms Discount Due Date Date payment is due if discount is to be earned	X DT 6/6
	ITD05	351	Terms Discount Days Due Number of days in the terms discount period by which payment is due if terms discount is earned	X N0 1/3
Not Used	ITD06	446	Terms Net Due Date Date when total invoice amount becomes due	O DT 6/6
	ITD07	386	Terms Net Days Number of days until total invoice amount is due (discount not applicable)	O N0 1/3
Not Used	ITD08	362	Terms Discount Amount Total amount of terms discount	O N2 1/10
Not Used	ITD09	388	Terms Deferred Due Date Date deferred payment or percent of invoice payable is due	O DT 6/6
Not Used	ITD10	389	Deferred Amount Due Deferred amount due for payment	X N2 1/10
Not Used	ITD11	342	Percent of Invoice Payable Amount of invoice payable expressed in percent	X R 1/5
Not Used	ITD12	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80
Not Used	ITD13	765	Day of Month The numeric value of the day of the month between 1 and the maximum day of the month being referenced	X N0 1/2
Not Used	ITD14	107	Payment Method Code Code identifying type of payment procedures	O ID 1/1
Not Used	ITD15	954	Percent Percentage expressed as a decimal	O R 1/10

**Segment:** **DIS** Discount Detail  
**Position:** 140  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 20  
**Purpose:** To specify the exact type and terms of various discount information  
**Syntax Notes:**  
**Semantic Notes:** 1 DIS05 is the minimum for application of the discount.  
 2 DIS06 is the maximum for application of the discount.  
**Comments:**

## Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use DIS01	653	<b>Discount Terms Type Code</b> Code to define the units in which the discount will be determined, i.e., dollars, case, truckload, etc. POR                      % Discount per Units Ordered UNT                      Additional Units per Units Purchased	M ID 3/3
Must Use DIS02	654	<b>Discount Base Qualifier</b> Code to define unit of discount, i.e., dollars, cases, alternate products, etc. PC                      Discount Determined as a Percentage of the Value of the Transaction UN                      Discount Determined to be Additional Units that Are Defined by Discount Control Limit Qualifier	M ID 2/2
Must Use DIS03	655	<b>Discount Base Value</b> A multiplier amount used in conjunction with discount base qualifier to determine the value of the discount	M R 1/10
Must Use DIS04	656	<b>Discount Control Limit Qualifier</b> Code to define the units of the limits for determining discount DAT                      Time Limits for Discount DOF                      Dollars of Purchase	M ID 2/3
Must Use DIS05	657	<b>Discount Control Limit</b> Amount or time associated with application of the discount	M N0 1/10
DIS06	657	<b>Discount Control Limit</b> Amount or time associated with application of the discount	O N0 1/10

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

## Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use	DTM01	374 Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		007 Effective	
		017 Estimated Delivery	
		036 Expiration	
		Date coverage expires	
		063 Do Not Deliver After	
		064 Do Not Deliver Before	
		069 Promised for Delivery	
		075 Promised for Delivery (Prior to and Including)	
		078 Promised for Delivery (Week of)	
		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	
		800 Midpoint of Performance	
		937 Department of Labor Wage Determination Date	
		992 Date Requested	
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		
<b>DTM05</b>	<b>624</b>	<b>Century</b>		<b>O</b>	<b>N0 2/2</b>
		The first two characters in the designation of the year (CCYY)			
<b>DTM06</b>	<b>1250</b>	<b>Date Time Period Format Qualifier</b>		<b>X</b>	<b>ID 2/3</b>
		Code indicating the date format, time format, or date and time format			
		Refer to 003050 Data Element Dictionary for acceptable code values.			
<b>DTM07</b>	<b>1251</b>	<b>Date Time Period</b>		<b>X</b>	<b>AN 1/35</b>
		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	
		AP From Date of Award to Midpoint of Effort	
		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

<b>Segment:</b>	<b>MEA</b> Measurements
<b>Position:</b>	200
<b>Loop:</b>	
<b>Level:</b>	Heading
<b>Usage:</b>	Optional
<b>Max Use:</b>	40
<b>Purpose:</b>	To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.</li> <li>2 If MEA05 is present, then MEA04 is required.</li> <li>3 If MEA06 is present, then MEA04 is required.</li> <li>4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.</li> <li>5 Only one of MEA08 or MEA03 may be present.</li> </ol>
<b>Semantic Notes:</b>	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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.</li> </ol>

## Data Element Summary

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

**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	
		25 Purchase Plan	
		35 Subcontractor Plan	
		AE Attachment	
		C1 Cost Data Summary	
		C5 Certified Cost and Price Data	
		C6 Wage Determination	
		DW Drawing(s)	
		IT Certified Inspection and Test Results	
		MS Material Safety Data Sheet	
		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	
		SD Support Data for a Request for Quote	
		TJ Asset Status Advice	
		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	
Not Used	PWK03	757 Report Copies Needed	O N0 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

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	<b>Identification Code Qualifier</b>	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
Not Used	PWK06	67	<b>Identification Code</b>	X	AN 2/20
			Code identifying a party or other code		
	PWK07	352	<b>Description</b>	O	AN 1/80
			A free-form description to clarify the related data elements and their content		
Not Used	PWK08	C002	<b>Actions Indicated</b>	O	
			Actions to be performed on the piece of paperwork identified		
Not Used	C00201	704	<b>Paperwork/Report Action Code</b>	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		
			Refer to 003050 Data Element Dictionary for acceptable code values.		
Not Used	C00202	704	<b>Paperwork/Report Action Code</b>	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	<b>Paperwork/Report Action Code</b>	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	<b>Paperwork/Report Action Code</b>	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	<b>Paperwork/Report Action Code</b>	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		

<b>Segment:</b>	<b>PKG</b> Marking, Packaging, Loading
<b>Position:</b>	220
<b>Loop:</b>	
<b>Level:</b>	Heading
<b>Usage:</b>	Optional
<b>Max Use:</b>	25
<b>Purpose:</b>	To describe marking, packaging, loading, and unloading requirements
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of PKG04 PKG05 or PKG06 is required.</li> <li>2 If PKG04 is present, then PKG03 is required.</li> <li>3 If PKG05 is present, then PKG01 is required.</li> </ol>
<b>Semantic Notes:</b>	1 PKG04 should be used for industry-specific packaging description codes.
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.</li> <li>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.</li> <li>3 Use PKG03 to indicate the organization that publishes the code list being referred to.</li> <li>4 Special marking or tagging data can be given in PKG05 (description).</li> </ol>

## Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
PKG01	349	<b>Item Description Type</b>	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	<b>Packaging Characteristic Code</b>	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	<b>Agency Qualifier Code</b>	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	<b>Packaging Description Code</b>	X AN 1/7
		A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product	

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

<b>Segment:</b>	<b>TD5</b> Carrier Details (Routing Sequence/Transit Time)
<b>Position:</b>	240
<b>Loop:</b>	
<b>Level:</b>	Heading
<b>Usage:</b>	Optional
<b>Max Use:</b>	12
<b>Purpose:</b>	To specify the carrier and sequence of routing and provide transit time information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.</li> <li>2 If TD502 is present, then TD503 is required.</li> <li>3 If TD507 is present, then TD508 is required.</li> <li>4 If TD510 is present, then TD511 is required.</li> </ol>
<b>Semantic Notes:</b>	
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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.</li> </ol>

## 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	<b>Routing Sequence Code</b> Code describing the relationship of a carrier to a specific shipment movement	O ID 1/2
Not Used	TD502	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67)	X ID 1/2
Not Used	TD503	67	<b>Identification Code</b> Code identifying a party or other code	X AN 2/20
	TD504	91	<b>Transportation Method/Type Code</b> 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	<b>Routing</b> 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	<b>Shipment/Order Status Code</b> 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	<b>Location Qualifier</b> Code identifying type of location	O ID 1/2
Not Used	TD508	310	<b>Location Identifier</b> Code which identifies a specific location	X AN 1/30
Not Used	TD509	731	<b>Transit Direction Code</b> The point of origin and point of direction	O ID 2/2
Not Used	TD510	732	<b>Transit Time Direction Qualifier</b> Code specifying the value of time used to measure the transit time	O ID 2/2
Not Used	TD511	733	<b>Transit Time</b> The numeric amount of transit time	X R 1/4
	TD512	284	<b>Service Level Code</b> 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	<b>Special Handling Code</b> Code specifying special transportation handling instructions Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 2/3
TD402	208	<b>Hazardous Material Code Qualifier</b> 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	<b>Hazardous Material Class Code</b> Code specifying the kind of hazard for a material	X AN 2/4
TD404	352	<b>Description</b> A free-form description to clarify the related data elements and their content	X AN 1/80

**Segment:** **N9** Reference Number  
**Position:** 290  
**Loop:** N9  
**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.	
		55 Sequence Number	
		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)	
		KR Response to a Request for Quotation Reference	
		A discrete number assigned for identification purpose to a response to a request for quotation	
		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	
		L1 Letters or Notes	
		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	<b>Free-form Description</b>	X	AN 1/45
			Free-form descriptive text		
	N904	373	<b>Date</b>	O	DT 6/6
			Date (YYMMDD)		
Not Used	N905	337	<b>Time</b>	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	<b>Time Code</b>	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

	<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:** 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. 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	
	31	Postal Mailing Address	
	61	Performed At	
		The facility where work was performed	
	7M	Inspection and Acceptance Location	
	AE	Additional Delivery Address	
	AG	Agent/Agency	
	BY	Buying Party (Purchaser)	
	DL	Dealer	
	DS	Distributor	
	DZ	Delivery Zone	
		Area where the product was delivered	
	FA	Facility	
	IC	Intermediate Consignee	
	IS	Party to Receive Certified Inspection Report	
	K1	Contractor Cognizant Security Office	
	K2	Subcontractor Cognizant Security Office	
	K3	Place of Performance Cognizant Security Office	
	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	
	RI	Remit To	
	SE	Selling Party	
	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		
		X2	Party to Perform Packaging		
			A party responsible for packaging an item after it has been produced		
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)		
		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) ZN Zone Code ZZ Qualifies a code that identifies a geographic area where transportation rates apply 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.	Data	Name	Attributes
Des.	Element		
Must Use PER01	366	<b>Contact Function Code</b>	<b>M ID 2/2</b>
		Code identifying the major duty or responsibility of the person or group named	
		AA Authorized Representative	
		AF Authorized Financial Contact	
		BD Buyer Name or Department	
		CE Certifier	
		IC Information Contact	
		KA Authorized Negotiator	
		ME Manufacturing	
		PP Program Manager	
		SU Supplier Contact	
Must Use PER02	93	<b>Name</b>	<b>O AN 1/35</b>
		Free-form name	
Must Use PER03	365	<b>Communication Number Qualifier</b>	<b>X ID 2/2</b>
		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	
Must Use PER04	364	<b>Communication Number</b>	<b>X AN 1/80</b>
		Complete communications number including country or area code when applicable	
PER05	365	<b>Communication Number Qualifier</b>	<b>X ID 2/2</b>
		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	

<b>PER06</b>	<b>364</b>	<b>Communication Number</b>	<b>X</b>	<b>AN 1/80</b>
		Complete communications number including country or area code when applicable		
<b>PER07</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		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		
<b>PER08</b>	<b>364</b>	<b>Communication Number</b>	<b>X</b>	<b>AN 1/80</b>
		Complete communications number including country or area code when applicable		
<b>PER09</b>	<b>443</b>	<b>Contact Inquiry Reference</b>	<b>O</b>	<b>AN 1/20</b>
		Additional reference number or description to clarify a contact number		

<b>Segment:</b>	<b>TD5</b> Carrier Details (Routing Sequence/Transit Time)
<b>Position:</b>	390
<b>Loop:</b>	N1
<b>Level:</b>	Heading
<b>Usage:</b>	Optional
<b>Max Use:</b>	12
<b>Purpose:</b>	To specify the carrier and sequence of routing and provide transit time information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.</li> <li>2 If TD502 is present, then TD503 is required.</li> <li>3 If TD507 is present, then TD508 is required.</li> <li>4 If TD510 is present, then TD511 is required.</li> </ol>
<b>Semantic Notes:</b>	
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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.</li> </ol>

## 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	<b>Routing Sequence Code</b> Code describing the relationship of a carrier to a specific shipment movement	O ID 1/2
Not Used	TD502	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67)	X ID 1/2
Not Used	TD503	67	<b>Identification Code</b> Code identifying a party or other code	X AN 2/20
	TD504	91	<b>Transportation Method/Type Code</b> 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	<b>Routing</b> 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	<b>Shipment/Order Status Code</b> 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	<b>Location Qualifier</b> Code identifying type of location	O ID 1/2
Not Used	TD508	310	<b>Location Identifier</b> Code which identifies a specific location	X AN 1/30
Not Used	TD509	731	<b>Transit Direction Code</b> The point of origin and point of direction	O ID 2/2
Not Used	TD510	732	<b>Transit Time Direction Qualifier</b> Code specifying the value of time used to measure the transit time	O ID 2/2
Not Used	TD511	733	<b>Transit Time</b> The numeric amount of transit time	X R 1/4
	TD512	284	<b>Service Level Code</b> 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. 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:** **PKG** Marking, Packaging, Loading  
**Position:** 420  
**Loop:** N1  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 25  
**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

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 marking, packaging or loading and unloading of a product	



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

<b>Segment:</b>	<b>PO1</b> Baseline Item Data
<b>Position:</b>	010
<b>Loop:</b>	PO1
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify basic and most frequently used line item data
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If PO103 is present, then PO102 is required.</li> <li>2 If PO105 is present, then PO104 is required.</li> <li>3 If either PO106 or PO107 is present, then the other is required.</li> <li>4 If either PO108 or PO109 is present, then the other is required.</li> <li>5 If either PO110 or PO111 is present, then the other is required.</li> <li>6 If either PO112 or PO113 is present, then the other is required.</li> <li>7 If either PO114 or PO115 is present, then the other is required.</li> <li>8 If either PO116 or PO117 is present, then the other is required.</li> <li>9 If either PO118 or PO119 is present, then the other is required.</li> <li>10 If either PO120 or PO121 is present, then the other is required.</li> <li>11 If either PO122 or PO123 is present, then the other is required.</li> <li>12 If either PO124 or PO125 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 See the Data Dictionary for a complete list of ID's.</li> <li>2 PO101 is the line item identification.</li> <li>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.</li> </ol>

## Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
PO101	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/11
PO102	330	<b>Quantity Ordered</b> Quantity ordered	X R 1/9
PO103	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003050 Data Element Dictionary for acceptable code values.	O ID 2/2
PO104	212	<b>Unit Price</b> Price per unit of product, service, commodity, etc.	X R 1/17
PO105	639	<b>Basis of Unit Price Code</b> 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.	O ID 2/2
PO106	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X ID 2/2

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
Identifying number for a product or service				
PO124	235	Product/Service ID Qualifier	X	ID 2/2

Code identifying the type/source of the descriptive number used in  
Product/Service ID (234)  
Refer to 003050 Data Element Dictionary for acceptable code values.

**PO125**

**234**

**Product/Service ID**

**X AN 1/40**

Identifying number for a product or service

**Segment:** **PO3** Additional Item Detail  
**Position:** 030  
**Loop:** PO1  
**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

	Ref. Des.	Data Element	Name	Attributes
Must Use	PO301	371	<b>Change Reason Code</b> Code specifying the reason for price or quantity change	M ID 2/2
			AQ Alternate Quantity and Unit of Measure	
			EV Estimated Quantity	
			MC Pack/Size Measure Difference	
			MP Minimum Order	
			PC Pack Difference	
			QH Quantity on Hand	
			QT Quantity Price Break	
			SC Size Difference	
			UM Unit of Measure Difference	
Not Used	PO302	373	<b>Date</b> Date (YYMMDD)	O DT 6/6
	PO303	236	<b>Price Identifier Code</b> Code identifying pricing specification Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 3/3
	PO304	212	<b>Unit Price</b> Price per unit of product, service, commodity, etc.	O R 1/17
	PO305	639	<b>Basis of Unit Price Code</b> Code identifying the type of unit price for an item Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 2/2
Must Use	PO306	380	<b>Quantity</b> Numeric value of quantity	M R 1/15
Must Use	PO307	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003050 Data Element Dictionary for acceptable code values.	M ID 2/2
Not Used	PO308	352	<b>Description</b> 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:**

- 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:**

- 1 CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
- 2 CTP08 is the rebate amount.

**Comments:**

- 1 See Figures Appendix for an example detailing the use of CTP03 and CTP04.  
See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

## 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	<b>Class of Trade Code</b> Code indicating class of trade	O ID 2/2
	CTP02	236	<b>Price Identifier Code</b> Code identifying pricing specification Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 3/3
	CTP03	212	<b>Unit Price</b> Price per unit of product, service, commodity, etc.	O R 1/17
	CTP04	380	<b>Quantity</b> Numeric value of quantity	X R 1/15
	CTP05	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003050 Data Element Dictionary for acceptable code values.	X ID 2/2
Not Used	CTP06	648	<b>Price Multiplier Qualifier</b> Code indicating the type of price multiplier	O ID 3/3
Not Used	CTP07	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	X R 1/10
Not Used	CTP08	782	<b>Monetary Amount</b> Monetary amount	O R 1/15
Not Used	CTP09	639	<b>Basis of Unit Price Code</b> Code identifying the type of unit price for an item	O ID 2/2
	CTP10	499	<b>Condition Value</b> Identifies rate restrictions or provisions	O AN 1/10



<b>Segment:</b>	<b>MEA</b> Measurements
<b>Position:</b>	049
<b>Loop:</b>	PO1
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	40
<b>Purpose:</b>	To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.</li> <li>2 If MEA05 is present, then MEA04 is required.</li> <li>3 If MEA06 is present, then MEA04 is required.</li> <li>4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.</li> <li>5 Only one of MEA08 or MEA03 may be present.</li> </ol>
<b>Semantic Notes:</b>	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
<b>Comments:</b>	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.	Des.	Data Element	Name	Attributes
MEA01		737	<b>Measurement Reference ID Code</b>	<b>O ID 2/2</b>
			Code identifying the broad category to which a measurement applies Refer to 003050 Data Element Dictionary for acceptable code values.	
MEA02		738	<b>Measurement Qualifier</b>	<b>O ID 1/3</b>
			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	<b>Measurement Value</b>	<b>X R 1/20</b>
			The value of the measurement	
MEA04		C001	<b>Composite Unit of Measure</b>	<b>X</b>
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
Must Use	C00101	355	<b>Unit or Basis for Measurement Code</b>	<b>M ID 2/2</b>
			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	<b>Exponent</b>	<b>O R 1/15</b>
			Power to which a unit is raised	
Not Used	C00103	649	<b>Multiplier</b>	<b>O R 1/10</b>
			Value to be used as a multiplier to obtain a new value	
	C00104	355	<b>Unit or Basis for Measurement Code</b>	<b>O ID 2/2</b>
			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	<b>Exponent</b>	<b>O R 1/15</b>
			Power to which a unit is raised	
Not Used	C00106	649	<b>Multiplier</b>	<b>O R 1/10</b>
			Value to be used as a multiplier to obtain a new value	
Not Used	C00107	355	<b>Unit or Basis for Measurement Code</b>	<b>O ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00108	1018	<b>Exponent</b>	<b>O R 1/15</b>
			Power to which a unit is raised	

## 843 - Response to Request for Quotation

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

<b>Segment:</b>	<b>PID</b> Product/Item Description
<b>Position:</b>	050
<b>Loop:</b>	PID
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	1
<b>Purpose:</b>	To describe a product or process in coded or free-form format
<b>Syntax Notes:</b>	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.
<b>Semantic Notes:</b>	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.
<b>Comments:</b>	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
		DW	Drawing(s)
		IT	Certified Inspection and Test Results
		MS	Material Safety Data Sheet
		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
		SD	Support Data for a Request for Quote
		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
Not Used	PWK03	757 Report Copies Needed	O N0 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	

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	<b>Identification Code Qualifier</b>	<b>X</b>	<b>ID 1/2</b>
			Code designating the system/method of code structure used for Identification Code (67)		
Not Used	PWK06	67	<b>Identification Code</b>	<b>X</b>	<b>AN 2/20</b>
			Code identifying a party or other code		
	PWK07	352	<b>Description</b>	<b>O</b>	<b>AN 1/80</b>
			A free-form description to clarify the related data elements and their content		
Not Used	PWK08	C002	<b>Actions Indicated</b>	<b>O</b>	
			Actions to be performed on the piece of paperwork identified		
Not Used	C00201	704	<b>Paperwork/Report Action Code</b>	<b>M</b>	<b>ID 1/2</b>
			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 Refer to 003050 Data Element Dictionary for acceptable code values.		
Not Used	C00202	704	<b>Paperwork/Report Action Code</b>	<b>O</b>	<b>ID 1/2</b>
			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	<b>Paperwork/Report Action Code</b>	<b>O</b>	<b>ID 1/2</b>
			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	<b>Paperwork/Report Action Code</b>	<b>O</b>	<b>ID 1/2</b>
			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	<b>Paperwork/Report Action Code</b>	<b>O</b>	<b>ID 1/2</b>
			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:** 25

**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

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 marking, packaging or loading and unloading of a product	



	<b>PKG05</b>	<b>352</b>	<b>Description</b>	<b>X</b>	<b>AN 1/80</b>
			A free-form description to clarify the related data elements and their content		
<b>Not Used</b>	<b>PKG06</b>	<b>400</b>	<b>Unit Load Option Code</b>	<b>X</b>	<b>ID 2/2</b>
			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:** 1 If either PO402 or PO403 is present, then the other is required.

2 If PO405 is present, then PO406 is required.

3 If either PO406 or PO407 is present, then the other is required.

4 If either PO408 or PO409 is present, then the other is required.

5 If PO410 is present, then PO413 is required.

6 If PO411 is present, then PO413 is required.

7 If PO412 is present, then PO413 is required.

8 If PO413 is present, then at least one of PO410 PO411 or PO412 is required.

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

2 PO413 defines the unit of measure for PO410, PO411, and PO412.

**Data Element Summary**

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
PO401	356	Pack	O N0 1/6
		Number of inner pack units per outer pack unit	
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 Pallet - 2 Way	
		SRW Shrink Wrap	
		UNT 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

PO407	355	Numeric value of gross weight per pack		
		<b>Unit or Basis for Measurement Code</b>	<b>X</b>	<b>ID 2/2</b>
		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	<b>Gross Volume per Pack</b>	<b>X</b>	<b>R 1/9</b>
		Numeric value of gross volume per pack		
PO409	355	<b>Unit or Basis for Measurement Code</b>	<b>X</b>	<b>ID 2/2</b>
		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	<b>Length</b>	<b>X</b>	<b>R 1/8</b>
		Largest horizontal dimension of an object measured when the object is in the upright position		
PO411	189	<b>Width</b>	<b>X</b>	<b>R 1/8</b>
		Shorter measurement of the two horizontal dimensions measured with the object in the upright position		
PO412	65	<b>Height</b>	<b>X</b>	<b>R 1/8</b>
		Vertical dimension of an object measured when the object is in the upright position		
PO413	355	<b>Unit or Basis for Measurement Code</b>	<b>X</b>	<b>ID 2/2</b>
		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	<b>Inner Pack</b>	<b>O</b>	<b>N0 1/6</b>
		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. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>	<u>Attributes</u>			
Must Use	REF01	128	Reference Number Qualifier	M ID 2/2			
			Code qualifying the Reference Number.				
			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			
			AH	Agreement Number			
			C7	Contract Line Item Number			
			CH	Customer catalog number			
			CT	Contract Number			
			DG	Drawing Number			
			IJ	Standard Industry Classification (SIC) Code			
			IX	Item Number			
			LT	Lot Number			
			LX	Qualified Products List			
			NI	Military Standard (MIL-STD) Number			
			P4	Project Code			
			QC	Product Specification Document Number			
				Model designation of replacement component			
			S2	Military Specification Number (MILSPEC)			
			S3	Specification Number			
			TN	Transaction Reference Number			
			TP	Test Specification Number			
			VW	Standard			
			W6	Federal Supply Schedule Number			
				Identifies an item with a two-digit group number, two-digit part number, and one-character section letter			
				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	

<b>Segment:</b>	<b>SAC</b> Service, Promotion, Allowance, or Charge Information
<b>Position:</b>	130
<b>Loop:</b>	PO1
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	25
<b>Purpose:</b>	To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of SAC02 or SAC03 is required.</li> <li>2 If either SAC03 or SAC04 is present, then the other is required.</li> <li>3 If either SAC06 or SAC07 is present, then the other is required.</li> <li>4 If either SAC09 or SAC10 is present, then the other is required.</li> <li>5 If SAC11 is present, then SAC10 is required.</li> <li>6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.</li> <li>7 If SAC14 is present, then SAC13 is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.</li> <li>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.</li> <li>3 SAC08 is the allowance or charge rate per unit.</li> <li>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.</li> <li>5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.</li> <li>6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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.</li> <li>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.</li> </ol>

## 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	<b>Allowance or Charge Indicator</b> Code which indicates an allowance or charge for the service specified A Allowance C Charge N No Allowance or Charge	M ID 1/1
	SAC02	1300	<b>Service, Promotion, Allowance, or Charge Code</b> 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	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values	X ID 2/2
Not Used	SAC04	1301	<b>Agency Service, Promotion, Allowance, or Charge Code</b> Agency maintained code identifying the service, promotion, allowance, or charge	X AN 1/10
	SAC05	610	<b>Amount</b> Monetary amount	O N2 1/15
	SAC06	378	<b>Allowance/ Charge Percent Qualifier</b>	X ID 1/1

			Code indicating on what basis allowance or charge percent is calculated Refer to 003050 Data Element Dictionary for acceptable code values.		
	<b>SAC07</b>	<b>332</b>	<b>Percent</b> Percent expressed as a percent	<b>X</b>	<b>R 1/6</b>
	<b>SAC08</b>	<b>118</b>	<b>Rate</b> Rate expressed in the standard monetary denomination for the currency specified	<b>O</b>	<b>R 1/9</b>
	<b>SAC09</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003050 Data Element Dictionary for acceptable code values.	<b>X</b>	<b>ID 2/2</b>
	<b>SAC10</b>	<b>380</b>	<b>Quantity</b> Numeric value of quantity	<b>X</b>	<b>R 1/15</b>
	<b>SAC11</b>	<b>380</b>	<b>Quantity</b> Numeric value of quantity	<b>O</b>	<b>R 1/15</b>
<b>Not Used</b>	<b>SAC12</b>	<b>331</b>	<b>Allowance or Charge Method of Handling Code</b> Code indicating method of handling for an allowance or charge	<b>O</b>	<b>ID 2/2</b>
<b>Not Used</b>	<b>SAC13</b>	<b>127</b>	<b>Reference Number</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	<b>X</b>	<b>AN 1/30</b>
<b>Not Used</b>	<b>SAC14</b>	<b>770</b>	<b>Option Number</b> A unique number identifying available promotion or allowance options when more than one is offered	<b>O</b>	<b>AN 1/20</b>
<b>Not Used</b>	<b>SAC15</b>	<b>352</b>	<b>Description</b> A free-form description to clarify the related data elements and their content	<b>O</b>	<b>AN 1/80</b>



<b>Segment:</b>	<b>ITD</b> Terms of Sale/Deferred Terms of Sale
<b>Position:</b>	150
<b>Loop:</b>	PO1
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	2
<b>Purpose:</b>	To specify terms of sale
<b>Syntax Notes:</b>	1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required. 2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required. 3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.
<b>Semantic Notes:</b>	1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.
<b>Comments:</b>	1 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

## Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Not Used	ITD01	336 Terms Type Code Code identifying type of payment terms	O	ID 2/2
Not Used	ITD02	333 Terms Basis Date Code Code identifying the beginning of the terms period	O	ID 1/2
	ITD03	338 Terms Discount Percent Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	O	R 1/6
Not Used	ITD04	370 Terms Discount Due Date Date payment is due if discount is to be earned	X	DT 6/6
	ITD05	351 Terms Discount Days Due Number of days in the terms discount period by which payment is due if terms discount is earned	X	N0 1/3
Not Used	ITD06	446 Terms Net Due Date Date when total invoice amount becomes due	O	DT 6/6
	ITD07	386 Terms Net Days Number of days until total invoice amount is due (discount not applicable)	O	N0 1/3
Not Used	ITD08	362 Terms Discount Amount Total amount of terms discount	O	N2 1/10
Not Used	ITD09	388 Terms Deferred Due Date Date deferred payment or percent of invoice payable is due	O	DT 6/6
Not Used	ITD10	389 Deferred Amount Due Deferred amount due for payment	X	N2 1/10
Not Used	ITD11	342 Percent of Invoice Payable Amount of invoice payable expressed in percent	X	R 1/5
Not Used	ITD12	352 Description A free-form description to clarify the related data elements and their content	O	AN 1/80
Not Used	ITD13	765 Day of Month The numeric value of the day of the month between 1 and the maximum day of the month being referenced	X	N0 1/2
Not Used	ITD14	107 Payment Method Code Code identifying type of payment procedures	O	ID 1/1
Not Used	ITD15	954 Percent Percentage expressed as a decimal	O	R 1/10

**Segment:** **DIS** Discount Detail  
**Position:** 160  
**Loop:** PO1  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 20  
**Purpose:** To specify the exact type and terms of various discount information  
**Syntax Notes:**  
**Semantic Notes:**

- 1 DIS05 is the minimum for application of the discount.
- 2 DIS06 is the maximum for application of the discount.

**Comments:**

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DIS01	653	<b>Discount Terms Type Code</b> Code to define the units in which the discount will be determined, i.e., dollars, case, truckload, etc. POR                      % Discount per Units Ordered UNT                      Additional Units per Units Purchased	M    ID 3/3
Must Use	DIS02	654	<b>Discount Base Qualifier</b> Code to define unit of discount, i.e., dollars, cases, alternate products, etc. PC                      Discount Determined as a Percentage of the Value of the Transaction UN                      Discount Determined to be Additional Units that Are Defined by Discount Control Limit Qualifier	M    ID 2/2
Must Use	DIS03	655	<b>Discount Base Value</b> A multiplier amount used in conjunction with discount base qualifier to determine the value of the discount	M    R 1/10
Must Use	DIS04	656	<b>Discount Control Limit Qualifier</b> Code to define the units of the limits for determining discount DAT                      Time Limits for Discount DOF                      Dollars of Purchase	M    ID 2/3
Must Use	DIS05	657	<b>Discount Control Limit</b> Amount or time associated with application of the discount	M    N0 1/10
	DIS06	657	<b>Discount Control Limit</b> Amount or time associated with application of the discount	O    N0 1/10

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. Des.	Data Element	Name	Attributes
Must Use	FOB01	146 Shipment Method of Payment Code identifying payment terms for transportation charges	M ID 2/2
		BP Paid by Buyer The buyer agrees to the transportation payment term requiring the buyer to pay transportation charges to a specified location (origin or destination location)	
		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 Code identifying type of location	X ID 1/2
		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 A free-form description to clarify the related data elements and their content	O AN 1/80
Not Used	FOB04	334 Transportation Terms Qualifier Code Code identifying the source of the transportation terms	O ID 2/2
Not Used	FOB05	335 Transportation Terms Code Code identifying the trade terms which apply to the shipment transportation responsibility	X ID 3/3
	FOB06	309 Location Qualifier Code identifying type of location	X ID 1/2

			DE	Destination (Shipping)	
			OR	Origin (Shipping Point)	
			ZZ	Mutually Defined	
Not Used	FOB07	352	<b>Description</b>		O AN 1/80
			A free-form description to clarify the related data elements and their content		
Not Used	FOB08	54	<b>Risk of Loss Qualifier</b>		O ID 2/2
			Code specifying where responsibility for risk of loss passes		
Not Used	FOB09	352	<b>Description</b>		X AN 1/80
			A free-form description to clarify the related data elements and their content		

**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. Des.	Data Element	Name	Attributes
Must Use	DTM01	374 Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		007 Effective	
		017 Estimated Delivery	
		036 Expiration	
		Date coverage expires	
		063 Do Not Deliver After	
		064 Do Not Deliver Before	
		069 Promised for Delivery	
		075 Promised for Delivery (Prior to and Including)	
		078 Promised for Delivery (Week of)	
		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	
		641 Option	
		800 Midpoint of Performance	
		937 Department of Labor Wage Determination Date	
		992 Date Requested	
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

<b>DTM05</b>	<b>624</b>	<b>Century</b>	<b>O</b>	<b>N0 2/2</b>
The first two characters in the designation of the year (CCYY)				
<b>DTM06</b>	<b>1250</b>	<b>Date Time Period Format Qualifier</b>	<b>X</b>	<b>ID 2/3</b>
Code indicating the date format, time format, or date and time format				
Refer to 003050 Data Element Dictionary for acceptable code values.				
<b>DTM07</b>	<b>1251</b>	<b>Date Time Period</b>	<b>X</b>	<b>AN 1/35</b>
Expression of a date, a time, or range of dates, times or dates and times				



<b>Segment:</b>	<b>TD5</b>	<b>Carrier Details (Routing Sequence/Transit Time)</b>
<b>Position:</b>	250	
<b>Loop:</b>	PO1	
<b>Level:</b>	Detail	
<b>Usage:</b>	Optional	
<b>Max Use:</b>	12	
<b>Purpose:</b>	To specify the carrier and sequence of routing and provide transit time information	
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.</li> <li>2 If TD502 is present, then TD503 is required.</li> <li>3 If TD507 is present, then TD508 is required.</li> <li>4 If TD510 is present, then TD511 is required.</li> </ol>	
<b>Semantic Notes:</b>		
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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.</li> </ol>	

## Data Element Summary

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

**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

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:** **MSG** Message Text  
**Position:** 289  
**Loop:** PO1  
**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:** **SPI** Specification Identifier  
**Position:** 291  
**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	<b>Security Level Code</b> Code indicating the level of confidentiality assigned by the sender to the information following 06 Supplier Proprietary 11 Competition Sensitive 92 Government Confidential 93 Government Secret 94 Government Top Secret	<b>M ID 2/2</b>
	SPI02	128	<b>Reference Number Qualifier</b> Code qualifying the Reference Number. Refer to 003050 Data Element Dictionary for acceptable code values.	<b>X ID 2/2</b>
	SPI03	127	<b>Reference Number</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	<b>X AN 1/30</b>
	SPI04	790	<b>Entity Title</b> Title of the data entity	<b>O AN 1/132</b>
Not Used	SPI05	791	<b>Entity Purpose</b> The reason for the existence of the data item specified by the electronic data item independent of its presence in an EDI transaction	<b>O AN 1/80</b>
Not Used	SPI06	792	<b>Entity Status Code</b> Code indicating the current status of the data item specified by the electronic data item	<b>O ID 1/1</b>
Not Used	SPI07	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set	<b>O ID 2/2</b>
Not Used	SPI08	755	<b>Report Type Code</b> Code indicating the title or contents of a document, report or supporting item	<b>O ID 2/2</b>
	SPI09	786	<b>Security Level Code</b> Code indicating the level of confidentiality assigned by the sender to the information following 06 Supplier Proprietary 11 Competition Sensitive	<b>O ID 2/2</b>
Not Used	SPI10	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values	<b>O ID 2/2</b>
Not Used	SPI11	822	<b>Source Subqualifier</b> A reference that indicates the table or text maintained by the Source Qualifier	<b>O AN 1/15</b>
Not Used	SPI12	554	<b>Assigned Number</b> Number assigned for differentiation within a transaction set	<b>O N0 1/6</b>
Not Used	SPI13	1322	<b>Certification Type Code</b> Code indicating the type of certification	<b>O ID 1/1</b>
Not Used	SPI14	1401	<b>Proposal Data Detail Identifier Code</b>	<b>O ID 1/3</b>

Code identifying the basis of a cited value in a proposal

**Segment:** SCH Line Item Schedule  
**Position:** 292  
**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 017 Estimated Delivery 063 Do Not Deliver After 064 Do Not Deliver Before 069 Promised for Delivery 075 Promised for Delivery (Prior to and Including) 078 Promised for Delivery (Week of) 174 Month Ending 358 Cycle Begin Date on which the cycle begins 375 Delivery Start The date that deliveries will begin	M ID 3/3
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 017 Estimated Delivery 063 Do Not Deliver After 064 Do Not Deliver Before 069 Promised for Delivery	X ID 3/3



075 Promised for Delivery (Prior to and Including)  
 078 Promised for Delivery (Week of)  
 174 Month Ending  
 359 Cycle End  
 Date on which the cycle ends  
 376 Delivery End  
 The date that deliveries will end

SCH09	373	<b>Date</b>	<b>X</b>	<b>DT 6/6</b>
		Date (YYMMDD)		
SCH10	337	<b>Time</b>	<b>X</b>	<b>TM 4/8</b>
		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	SCH11	326	<b>Request Reference Number</b>	<b>O</b> <b>AN 1/45</b>
			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	<b>Assigned Identification</b>	<b>O</b> <b>AN 1/11</b>
			Alphanumeric characters assigned for differentiation within a transaction set	

**Segment:** **PD Pricing Data**  
**Position:** 392  
**Loop:** PD  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To describe the pricing basic input detail  
**Syntax Notes:**  
**Semantic Notes:**

- 1 PD01 is the unit of the time period contained in PD02.
- 2 PD02 is the date of the start of the time period in PD01.
- 3 PD04 is the quantity of the unit of measurement in PD03.
- 4 PD05 is the name of the cost element being proposed.
- 5 PD06 is the description of the name of the cost element being proposed.
- 6 PD08 is a reference to a specific paragraph number contained in an external document.
- 7 PD09 is the category of the data being proposed.

**Comments:****Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PD01	344	<b>Unit of Time Period or Interval</b> Code indicating the time period or interval Refer to 003050 Data Element Dictionary for acceptable code values.	M ID 2/2
Must Use	PD02	373	<b>Date</b> Date (YYMMDD)	M DT 6/6
Must Use	PD03	C001	<b>Composite Unit of Measure</b> To identify a composite unit of measure (See Figures Appendix for examples of use)	M
Must Use	C00101	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003050 Data Element Dictionary for acceptable code values.	M ID 2/2
Not Used	C00102	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
Not Used	C00103	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00104	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00105	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
Not Used	C00106	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00107	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00108	1018	<b>Exponent</b> Power to which a unit is raised	O R 1/15
Not Used	C00109	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00110	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00111	1018	<b>Exponent</b>	O R 1/15

			Power to which a unit is raised		
Not Used	C00112	649	<b>Multiplier</b>	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00113	355	<b>Unit or Basis for Measurement Code</b>	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	<b>Exponent</b>	O	R 1/15
			Power to which a unit is raised		
Not Used	C00115	649	<b>Multiplier</b>	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Must Use	PD04	380	<b>Quantity</b>	M	R 1/15
			Numeric value of quantity		
Must Use	PD05	93	<b>Name</b>	M	AN 1/35
			Free-form name		
	PD06	352	<b>Description</b>	O	AN 1/80
			A free-form description to clarify the related data elements and their content		
	PD07	1196	<b>Breakdown Structure Detail Code</b>	O	ID 2/2
			Codes identifying details relating to a reporting breakdown structure tree		
		26	Recurring		
			Costs that will incur continually over the life of the contract		
		27	Nonrecurring		
			Costs that will only be incurred once		
Not Used	PD08	127	<b>Reference Number</b>	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	PD09	352	<b>Description</b>	O	AN 1/80
			A free-form description to clarify the related data elements and their content		
	PD10	1401	<b>Proposal Data Detail Identifier Code</b>	O	ID 1/3
			Code identifying the basis of a cited value in a proposal		
			Refer to 003050 Data Element Dictionary for acceptable code values.		

**Segment:** **PDD** Pricing Data Detail  
**Position:** 393  
**Loop:** PD  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To provide the rates, direct input, and pricing factors for each element of work, cross-referenced to an applicable request or submission  
**Syntax Notes:** 1 At least one of PDD02 PDD03 or PDD04 is required.  
**Semantic Notes:** 1 PDD01 is a sequential number assigned by the initiator.  
**Comments:**

## Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	PDD01	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set	M AN 1/11
	PDD02	380	<b>Quantity</b> Numeric value of quantity	X R 1/15
	PDD03	782	<b>Monetary Amount</b> Monetary amount	X R 1/15
	PDD04	954	<b>Percent</b> Percentage expressed as a decimal	X R 1/10
	PDD05	1401	<b>Proposal Data Detail Identifier Code</b> Code identifying the basis of a cited value in a proposal Refer to 003050 Data Element Dictionary for acceptable code values.	O ID 1/3

Segment: **LDT** Lead Time  
 Position: 394  
 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 Code indicating the time range	M ID 2/2
		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	
		AP From Date of Award to Midpoint of Effort	
		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:** **QTY** Quantity  
**Position:** 395  
**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	<b>Quantity Qualifier</b> Code specifying the type of quantity	<b>M ID 2/2</b>
			1J Due The amount due to the customer	
			1K Time Units The number of time units such as 8 (hours)	
			SA Shipments	
Must Use	QTY02	380	<b>Quantity</b> Numeric value of quantity	<b>M R 1/15</b>
	QTY03	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003050 Data Element Dictionary for acceptable code values.	<b>O ID 2/2</b>



**Segment:** **MSG** Message Text  
**Position:** 396  
**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:** 397  
**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. Des.	Data Element	Name	Attributes
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:** 398  
**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:** 400  
**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. Des.	Data Element	Name	Attributes
Must Use N901	128	Reference Number Qualifier	M ID 2/2
		Code qualifying the Reference Number.	
		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)	
		KR Response to a Request for Quotation Reference	
		A discrete number assigned for identification purpose to a response to a request for quotation	
		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	
		L1 Letters or Notes	
		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	<b>Date</b> <span style="float: right;"><b>O</b> DT 6/6</span>
		Date (YYMMDD)	
Not Used	N905	337	<b>Time</b> <span style="float: right;"><b>X</b> TM 4/8</span>
		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	<b>Time Code</b> <span style="float: right;"><b>O</b> ID 2/2</span>
		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:** 410  
**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:** 420  
**Loop:** N1  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
2 If either N103 or N104 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
2 N105 and N106 further define the type of entity in N101.

## Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N101	98	Entity Identifier Code
			Code identifying an organizational entity, a physical location, or an individual
		28	Subcontractor
		31	Postal Mailing Address
		61	Performed At
			The facility where work was performed
		7M	Inspection and Acceptance Location
		AE	Additional Delivery Address
		DL	Dealer
		DS	Distributor
		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
		KH	Organization Having Source Control
			Organization controlling the design and manufacturing process of a product
		KX	Free on Board Point
		KY	Technical Office
		KZ	Acceptance Location
		L1	Inspection Location
			Place where the item was viewed or inspected
		MF	Manufacturer of Goods
		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
		X2	Party to Perform Packaging
			A party responsible for packaging an item after it has been produced
N102	93	Name	X AN 1/35

		Free-form name			
	<b>N103</b>	<b>66</b>	<b>Identification Code Qualifier</b>	<b>X</b>	<b>ID 1/2</b>
			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)		
			A2 Military Assistance Program Address Code (MAPAC)		
			Contained in the Military Assistance Program Address Directory (MAPAD); represents the location of an entity		
	<b>N104</b>	<b>67</b>	<b>Identification Code</b>	<b>X</b>	<b>AN 2/20</b>
			Code identifying a party or other code		
<b>Not Used</b>	<b>N105</b>	<b>706</b>	<b>Entity Relationship Code</b>	<b>O</b>	<b>ID 2/2</b>
			Code describing entity relationship		
<b>Not Used</b>	<b>N106</b>	<b>98</b>	<b>Entity Identifier Code</b>	<b>O</b>	<b>ID 2/2</b>
			Code identifying an organizational entity, a physical location, or an individual		

**Segment:** **N2** Additional Name Information  
**Position:** 430  
**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:** 440  
**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:** 450  
**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.	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:** **PER** Administrative Communications Contact  
**Position:** 470  
**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	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named	<b>M ID 2/2</b>
		IC Information Contact	
		ME Manufacturing	
		PP Program Manager	
		SU Supplier Contact	
PER02	93	<b>Name</b> Free-form name	<b>O AN 1/35</b>
PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number	<b>X ID 2/2</b>
		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	<b>Communication Number</b> Complete communications number including country or area code when applicable	<b>X AN 1/80</b>
PER05	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number	<b>X ID 2/2</b>
		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	<b>Communication Number</b> Complete communications number including country or area code when applicable	<b>X AN 1/80</b>
PER07	365	<b>Communication Number Qualifier</b>	<b>X ID 2/2</b>



## 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	<b>Communication Number</b>	<b>X</b>	<b>AN 1/80</b>
-------	-----	-----------------------------	----------	----------------

Complete communications number including country or area code when applicable

PER09	443	<b>Contact Inquiry Reference</b>	<b>O</b>	<b>AN 1/20</b>
-------	-----	----------------------------------	----------	----------------

Additional reference number or description to clarify a contact number

<b>Segment:</b>	<b>SCH</b> Line Item Schedule
<b>Position:</b>	485
<b>Loop:</b>	N1
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	200
<b>Purpose:</b>	To specify the data for scheduling a specific line-item
<b>Syntax Notes:</b>	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.
<b>Semantic Notes:</b>	1 SCH12 is the schedule identification.
<b>Comments:</b>	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	<b>Quantity</b> Numeric value of quantity	<b>M R 1/15</b>
Must Use	SCH02	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003050 Data Element Dictionary for acceptable code values.	<b>M ID 2/2</b>
Not Used	SCH03	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, or an individual	<b>O ID 2/2</b>
Not Used	SCH04	93	<b>Name</b> Free-form name	<b>X AN 1/35</b>
Must Use	SCH05	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time 017 Estimated Delivery 063 Do Not Deliver After 064 Do Not Deliver Before 069 Promised for Delivery 075 Promised for Delivery (Prior to and Including) 078 Promised for Delivery (Week of) 174 Month Ending 358 Cycle Begin Date on which the cycle begins 375 Delivery Start The date that deliveries will begin	<b>M ID 3/3</b>
Must Use	SCH06	373	<b>Date</b> Date (YYMMDD)	<b>M DT 6/6</b>
	SCH07	337	<b>Time</b> 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)	<b>O TM 4/8</b>
	SCH08	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time 017 Estimated Delivery 063 Do Not Deliver After 064 Do Not Deliver Before 069 Promised for Delivery	<b>X ID 3/3</b>

075 Promised for Delivery (Prior to and Including)  
 078 Promised for Delivery (Week of)  
 174 Month Ending  
 359 Cycle End  
 Date on which the cycle ends  
 376 Delivery End  
 The date that deliveries will end

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)

Not Used 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

<b>Segment:</b>	<b>TD5</b>	<b>Carrier Details (Routing Sequence/Transit Time)</b>
<b>Position:</b>	500	
<b>Loop:</b>	N1	
<b>Level:</b>	Detail	
<b>Usage:</b>	Optional	
<b>Max Use:</b>	12	
<b>Purpose:</b>	To specify the carrier and sequence of routing and provide transit time information	
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.</li> <li>2 If TD502 is present, then TD503 is required.</li> <li>3 If TD507 is present, then TD508 is required.</li> <li>4 If TD510 is present, then TD511 is required.</li> </ol>	
<b>Semantic Notes:</b>		
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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.</li> </ol>	

## 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	<b>Routing Sequence Code</b> Code describing the relationship of a carrier to a specific shipment movement	O ID 1/2
Not Used	TD502	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67)	X ID 1/2
Not Used	TD503	67	<b>Identification Code</b> Code identifying a party or other code	X AN 2/20
	TD504	91	<b>Transportation Method/Type Code</b> 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	<b>Routing</b> 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	<b>Shipment/Order Status Code</b> 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	<b>Location Qualifier</b> Code identifying type of location	O ID 1/2
Not Used	TD508	310	<b>Location Identifier</b> Code which identifies a specific location	X AN 1/30
Not Used	TD509	731	<b>Transit Direction Code</b> The point of origin and point of direction	O ID 2/2
Not Used	TD510	732	<b>Transit Time Direction Qualifier</b> Code specifying the value of time used to measure the transit time	O ID 2/2
Not Used	TD511	733	<b>Transit Time</b> The numeric amount of transit time	X R 1/4
	TD512	284	<b>Service Level Code</b> 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:** 520  
**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

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

<b>Segment:</b>	<b>PKG</b> Marking, Packaging, Loading
<b>Position:</b>	530
<b>Loop:</b>	N1
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	25
<b>Purpose:</b>	To describe marking, packaging, loading, and unloading requirements
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of PKG04 PKG05 or PKG06 is required.</li> <li>2 If PKG04 is present, then PKG03 is required.</li> <li>3 If PKG05 is present, then PKG01 is required.</li> </ol>
<b>Semantic Notes:</b>	1 PKG04 should be used for industry-specific packaging description codes.
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.</li> <li>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.</li> <li>3 Use PKG03 to indicate the organization that publishes the code list being referred to.</li> <li>4 Special marking or tagging data can be given in PKG05 (description).</li> </ol>

## Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
PKG01	349	<b>Item Description Type</b> 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	<b>Packaging Characteristic Code</b> 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	<b>Agency Qualifier Code</b> 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	<b>Packaging Description Code</b> A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product	X AN 1/7



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

**Segment:** **LDT** Lead Time  
**Position:** 550  
**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
		AP	From Date of Award to Midpoint of Effort
		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)	

<b>Segment:</b>	<b>MAN</b> Marks and Numbers
<b>Position:</b>	560
<b>Loop:</b>	LDT
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	10
<b>Purpose:</b>	To indicate identifying marks and numbers for shipping containers
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If either MAN04 or MAN05 is present, then the other is required.</li> <li>2 If MAN06 is present, then MAN05 is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.</li> <li>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.</li> <li>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.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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.</li> <li>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.</li> </ol>

## Data Element Summary

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

**Segment:** **QTY** Quantity  
**Position:** 570  
**Loop:** LDT  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 5  
**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	<b>Quantity Qualifier</b> 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) SA Shipments	M ID 2/2
Must Use	QTY02	380	<b>Quantity</b> Numeric value of quantity	M R 1/15
	QTY03	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003050 Data Element Dictionary for acceptable code values.	O ID 2/2

**Segment:** **MSG** Message Text  
**Position:** 580  
**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:** **CTT** Transaction Totals  
**Position:** 010  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To transmit a hash total for a specific element in the transaction set  
**Syntax Notes:** 1 If either CTT03 or CTT04 is present, then the other is required.  
 2 If either CTT05 or CTT06 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	CTT01	354	<b>Number of Line Items</b> Total number of line items in the transaction set	<b>M</b> N0 1/6
	CTT02	347	<b>Hash Total</b> 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.	<b>O</b> 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	<b>Weight</b> Numeric value of weight	<b>X</b> R 1/10
Not Used	CTT04	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	<b>X</b> ID 2/2
Not Used	CTT05	183	<b>Volume</b> Value of volumetric measure	<b>X</b> R 1/8
Not Used	CTT06	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	<b>X</b> ID 2/2
Not Used	CTT07	352	<b>Description</b> A free-form description to clarify the related data elements and their content	<b>O</b> AN 1/80



**Segment:** **AMT** Monetary Amount  
**Position:** 015  
**Loop:**  
**Level:** Summary  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To indicate the total monetary amount  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	AMT01	522	Amount Qualifier Code Code to qualify amount TT Total Transaction Amount	M ID 1/2
Must Use	AMT02	782	Monetary Amount Monetary amount	M R 1/15
Not Used	AMT03	478	Credit/Debit Flag Code Code indicating whether amount is a credit or debit	O ID 1/1

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

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





# *NIST* Technical Publications

## *Periodical*

---

**Journal of Research of the National Institute of Standards and Technology**—Reports NIST research and development in those disciplines of the physical and engineering sciences in which the Institute is active. These include physics, chemistry, engineering, mathematics, and computer sciences. Papers cover a broad range of subjects, with major emphasis on measurement methodology and the basic technology underlying standardization. Also included from time to time are survey articles on topics closely related to the Institute's technical and scientific programs. Issued six times a year.

## *Nonperiodicals*

---

**Monographs**—Major contributions to the technical literature on various subjects related to the Institute's scientific and technical activities.

**Handbooks**—Recommended codes of engineering and industrial practice (including safety codes) developed in cooperation with interested industries, professional organizations, and regulatory bodies.

**Special Publications**—Include proceedings of conferences sponsored by NIST, NIST annual reports, and other special publications appropriate to this grouping such as wall charts, pocket cards, and bibliographies.

**National Standard Reference Data Series**—Provides quantitative data on the physical and chemical properties of materials, compiled from the world's literature and critically evaluated. Developed under a worldwide program coordinated by NIST under the authority of the National Standard Data Act (Public Law 90-396). NOTE: The Journal of Physical and Chemical Reference Data (JPCRD) is published bimonthly for NIST by the American Chemical Society (ACS) and the American Institute of Physics (AIP). Subscriptions, reprints, and supplements are available from ACS, 1155 Sixteenth St., NW, Washington, DC 20056.

**Building Science Series**—Disseminates technical information developed at the Institute on building materials, components, systems, and whole structures. The series presents research results, test methods, and performance criteria related to the structural and environmental functions and the durability and safety characteristics of building elements and systems.

**Technical Notes**—Studies or reports which are complete in themselves but restrictive in their treatment of a subject. Analogous to monographs but not so comprehensive in scope or definitive in treatment of the subject area. Often serve as a vehicle for final reports of work performed at NIST under the sponsorship of other government agencies.

**Voluntary Product Standards**—Developed under procedures published by the Department of Commerce in Part 10, Title 15, of the Code of Federal Regulations. The standards establish nationally recognized requirements for products, and provide all concerned interests with a basis for common understanding of the characteristics of the products. NIST administers this program in support of the efforts of private-sector standardizing organizations.

*Order the following NIST publications—FIPS and NISTIRs—from the National Technical Information Service, Springfield, VA 22161.*

**Federal Information Processing Standards Publications (FIPS PUB)**—Publications in this series collectively constitute the Federal Information Processing Standards Register. The Register serves as the official source of information in the Federal Government regarding standards issued by NIST pursuant to the Federal Property and Administrative Services Act of 1949 as amended, Public Law 89-306 (79 Stat. 1127), and as implemented by Executive Order 11717 (38 FR 12315, dated May 11, 1973) and Part 6 of Title 15 CFR (Code of Federal Regulations).

**NIST Interagency Reports (NISTIR)**—A special series of interim or final reports on work performed by NIST for outside sponsors (both government and nongovernment). In general, initial distribution is handled by the sponsor; public distribution is by the National Technical Information Service, Springfield, VA 22161, in paper copy or microfiche form.

**U.S. Department of Commerce**  
National Institute of Standards  
and Technology  
Gaithersburg, MD 20899-0001

Official Business  
Penalty for Private Use \$300