857 Shipment and Billing Notice

Functional Group ID=BS

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Shipment and Billing Notice Transaction Set (857) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set provides the recipient of a shipment with data for both receipt planning and payment generation. EDI and telecommunications technologies suggest efficiencies in the way business data is processed. For example, the sender of a shipment may send the recipient's receiving function a Ship Notice/Manifest (856), and the payables function an Invoice (810), even though the contents of these two documents may be largely redundant. In certain business environments, the Shipment and Billing Notice permits the consolidation of these two documents into one. Specifically, this transaction set is appropriate where the shipment data, when it includes terms and item prices, can be used both to plan receipts and to generate payment. In this environment, the exact prices for the items shipped may not be known in advance by both parties. This transaction set is not appropriate in so-called Evaluated Receipts Settlement (ERS) environments, in which the exact prices for the items shipped have been agreed upon by, and are known to, both parties in advance. This transaction set is not to be used to replace the Ship Notice/Manifest (856) or Invoice (810) individually, but only to replace both, together. For example, do not use this transaction set in place of a Ship Notice/Manifest while continuing to send either paper or electronic invoice.

Notes:

1. Use this transaction set to provide combined Shipment Notice and Commercial Invoice information to Federal Government activities responsible for receiving material and activities responsible for initiating payment. Transactions involving separate shipment or billing information should utilize the appropriate 856 (Ship Notice/Notice Manifest) and 810 (Commercial Invoice) transaction sets.

2. This transaction set may be used to send Invoicing, Receipt, Acceptance and Property Transfer (iRAPT) Shipment and Billing Notice documents, (a/k/a COMBOs). Please refer to the iRAPT Implementation Guide located at the following website for iRAPT specific rules and edit guidelines, https://wawf.eb.mil.

3. This transaction may be used to provide unique identification (UID) information to iRAPT. Refer to the UID web at URL: http://www.acq.osd.mil/uid/ for DoD policy and business rules

4. The hierarchical sequence of this transaction set is Shipment level information, Order level information, Item level information and Unique Identification (UID) level information.

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
5	010	ST	Transaction Set Header	M	1		c1
6	020	BHT	Beginning of Hierarchical Transaction	M	1		n1
			LOOP ID - HL			>1	
8	030	HL	Hierarchical Level	M	1		n2

			LOOP ID - BS1			1	
11	040	G05	Total Shipment Information	O	1		n3
13	050	TD1	Carrier Details (Quantity and Weight)	O	5		
Not Used	060	TD3	Carrier Details (Equipment)	O	5		
Not Used	070	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
15	080	TD5	Carrier Details (Routing Sequence/Transit Time)	O	10		
17	090	FOB	F.O.B. Related Instructions	O	1		
19	100	DTM	Date/Time Reference	O	5		
21	110	N9	Reference Identification	O	20		
30	120	PER	Administrative Communications Contact	O	5		
32	130	CUR	Currency	O	1		
			LOOP ID - N1			10	
35	140	N1	Name	O	1		
39	150	N2	Additional Name Information	O	2		
40	160	N3	Address Information	O	2		
41	170	N4	Geographic Location	O	1		
			LOOP ID - LM			>1	
42	175	LM	Code Source Information	O	1		
43	176	LQ	Industry Code	M	>1		
			LOOP ID - BS2			1	
44	180	TDS	Total Monetary Value Summary	O	1		n4
45	190	PRF	Purchase Order Reference	O	1		
47	200	N9	Reference Identification	O	>1		
50	210	DTM	Date/Time Reference	O	10		
52	220	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
54	230	TXI	Tax Information	O	10		
Not Used	235	SN1	Item Detail (Shipment)	O	1		
Not Used	237	ISS	Invoice Shipment Summary	O	1		
			LOOP ID - SAC			25	
56	240	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
Not Used	250	TXI	Tax Information	O	10		
			LOOP ID - N1			10	
Not Used	260	N1	Name	O	1		
Not Used	270	N2	Additional Name Information	O	2		
Not Used	280	N3	Address Information	O	2		
Not Used	290	N4	Geographic Location	O	1		
			LOOP ID - FA1			>1	
59	294	FA1	Type of Financial Accounting Data	O	1		
60	295	FA2	Accounting Data	M	>1		
			LOOP ID - BS3			1	
Not Used	300	PAL	Pallet Information	O	1		n5
Not Used	305	SN1	Item Detail (Shipment)	O	1		
Not Used	310	MAN	Marks and Numbers	O	10		

			LOOP ID - BS4			1	
Not Used	320	LX	Assigned Number	O	1		n6
Not Used	325	N9	Reference Identification	O	15		
Not Used	328	SN1	Item Detail (Shipment)	O	1		
Not Used	330	PO4	Item Physical Details	O	1		
Not Used	340	MEA	Measurements	O	10		
Not Used	350	PKG	Marking, Packaging, Loading	O	10		
Not Used	360	MAN	Marks and Numbers	O	10		
			LOOP ID - BS5			1	
64	370	IT1	Baseline Item Data (Invoice)	O	1		n7
Not Used	380	IT3	Additional Item Data	O	1		
Not Used	390	PO4	Item Physical Details	O	1		
71	395	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	>1		
Not Used	400	TC2	Commodity	O	5		
Not Used	410	TXI	Tax Information	O	10		
Not Used	420	CTP	Pricing Information	O	10		
73	430	N9	Reference Identification	O	10		
Not Used	440	MEA	Measurements	O	10		
76	445	DTM	Date/Time Reference	O	10		
Not Used	446	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
			LOOP ID - PID			25	
77	450	PID	Product/Item Description	O	1		
Not Used	460	MEA	Measurements	O	10		
			LOOP ID - SLN			1000	
79	470	SLN	Subline Item Detail	O	1		
Not Used	480	PID	Product/Item Description	O	25		
			LOOP ID - SAC			25	
84	490	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
Not Used	500	TXI	Tax Information	O	10		
			LOOP ID - LM			>1	
87	505	LM	Code Source Information	O	1		
88	506	LQ	Industry Code	M	>1		
			LOOP ID - FA1			>1	
89	507	FA1	Type of Financial Accounting Data	O	1		
90	508	FA2	Accounting Data	M	>1		
94	510	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. BHT01, Hierarchical Structure Code, may only contain the code values 0001, 0002, and 0003. When BHT01, the Hierarchical Structure Code, contains a value of 0001, the levels of the transaction set are Shipment, Order, Tare (pallet), Pack (carton), Subpack, and Item. The levels, when used, must always appear (in the transmission) in the above order, e.g., the tare level cannot be subordinate to the item level; however, the pack level may be omitted.

When BHT01, the Hierarchical Structure Code, contains a value of 0002, the levels of the transaction set are Shipment, Order, Item, Tare (pallet), Pack (carton), and Subpack. The levels, when used, must always appear (in the transmission) in the above order, e.g., the tare level cannot be subordinate to the pack level; however, the tare level may be omitted.
When BHT01, Hierarchical Structure Code, contains a value of 0003, the levels of the transaction set are Shipment, Tare (pallet), Pack (carton), Subpack, Order and Item. The levels, when used, must always appear (in the transaction set) in the above order, e.g., the pack level can not be subordinate to the order level, however the pack level may be omitted.
BHT03 and BHT04 are mandatory.

2. HL01 (Hierarchical ID Number) will be assigned sequentially within the hierarchy starting with one and incremented by one for each HL segment.
HL02 (Hierarchical Parent ID) will have the value of 0 when used at the Shipment Level.
HL03 (Hierarchical Level Code) may only contain the codes: S (Shipment Level), O (Order Level), T (Tare Level), P (Pack Level), Q (Subpack Level), and I (Item Level).

3. The BS1 loop may only be used at the Shipment Level.
The transaction set shall contain one and only one occurrence of the BS1 loop, Shipment level.

4. The BS2 loop may only be used at the Order Level.
The Transaction Set shall contain at least one occurrence of the BS2 loop, Order Level.

5. The BS3 loop may only be used at the Tare (pallet) Level.

6. The BS4 loop may only be used at the Pack (carton) and Subpack Levels. The Subpack Level may only be used in conjunction with the Pack Level.
LX01 (Assigned Number) will be sequentially assigned starting with one and incremented by one for each LX segment.
The LX segment is used to bound the segments for the Pack and Subpack Levels to allow all segments within the loop to be optional. It has no relevance to the application data being sent.

7. The BS5 loop may only be used at the Item Level.
There shall be at least one occurrence of the BS5 loop, Item Level within each Order Level.

Transaction Set Comments

1. The structure of this transaction set is one shipment of one or more orders.
This transaction set is used to convey information that is normally found on a shipping/receiving document and a invoice, in a paper environment. In most cases prices are excluded from the receiving documents. Care should be exercised to keep this information from the receiving area if it is the current practice to exclude such information. It may be prudent to consult an auditor or legal representative if there is any question.

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

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**ST01**	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set 857 Shipment and Billing Notice	**M ID 3/3**
M	**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 ***The unique control number is assigned by the originator of the transaction set or by the originator's application program.***	**M AN 4/9**

Segment: **BHT** **Beginning of Hierarchical Transaction**
Position: 020
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To define the business hierarchical structure of the transaction set and identify the business application purpose and reference data, i.e., number, date, and time
Syntax Notes:
Semantic Notes:
1 BHT03 is the number assigned by the originator to identify the transaction within the originator's business application system.
2 BHT04 is the date the transaction was created within the business application system.
3 BHT05 is the time the transaction was created within the business application system.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**BHT01**	**1005**	**Hierarchical Structure Code** Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set 0002 Shipment, Order, Item, Packaging	**M ID 4/4**
M	**BHT02**	**353**	**Transaction Set Purpose Code** Code identifying purpose of transaction set 00 Original ***Use to indicate the initial submission of an original Shipment and Billing Notice (SBN) or for a replacement SBN for one that was canceled and a new number assigned.*** 01 Cancellation ***For iRAPT, use to indicate a Void Only" submission.*** 05 Replace ***For iRAPT, use to indicate a Void and Create'to void a previously submitted ASN/Receiving Report (RR) and concurrently create a new one.*** 07 Duplicate ***Use to indicate a re-transmission of an original 857 transaction set.*** 14 Advance Notification ***Use to indicate the initial submission of an***	**M ID 2/2**

			original SBN for which associated Pack/Radio Frequency Identification (RFID) information will be provided separately via Advance Shipment Notice/Receiving Report.		
Must Use	**BHT03**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ***Unique reference number assigned by the originator to identify the transaction within the originator's business application system. For example, this data element would be used when the reference number in ST02 is assigned independent of the business application system.***	**O**	**AN 1/30**
	BHT04	**373**	**Date** Date expressed as CCYYMMDD ***Use to identify the date the transaction set was created. This date also serves as the invoice date.***	**O**	**DT 8/8**
	BHT05	**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) ***1. Express the originating activity's time in Universal Time Coordinate (UTC).*** ***2. Express time in a four position Hour Hour Minute Minute (HHMM) format.***	**O**	**TM 4/8**
Must Use	**BHT06**	**640**	**Transaction Type Code** Code specifying the type of transaction AB — Advance Shipment and Billing Notice AS — Shipment Advice PR — Product (or Service) ***Use to indicate an original Shipment and Billing Notice (SBN) submitted for performance of a service line where physical delivery/receipt of material will not take place.***	**O**	**ID 2/2**

Segment: **HL** **Hierarchical Level**

Position: 030

Loop: HL Mandatory

Level:

Usage: Mandatory

Max Use: 1

Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Syntax Notes:

Semantic Notes:

Comments:

1 The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
The HL segment defines a top-down/left-right ordered structure.

2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.

3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.

4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.

5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Notes:

1. Iterations of the HL/030 loop provide data structured in a hierarchical logic consisting of Shipment, Order, Item, and UID.

2. Must use the first iteration of the HL/030 loop as the Shipment loop to provide shipment information common to the entire shipment. Use the Order loop to provide order information common to all items in an order. Use multiple iterations of the Item loop to identify information applicable to individual line items in the shipment and order.

3. Shipment container information pertains to individual line items and is contained within the applicable Item loop.

4. The Pack loop is not used.

5. When code PR (Services) is used in BHT06 indicating only service items are being identified in the transaction, use only the following segments in the Shipment loop: GO5 and the N1 loop.

6. For iRAPT, the hierarchical structure shall be: shipment (HL03 code S),

order/invoice (HL03 code O), item (HL03 code I), product characteristics (HL03 code PH), and UID (HL03 code D).

7. For inclusion of Mark information associated with IUID data content, the Mark Loop (HL03 code X) will be a child loop to the UID loop (HL03 code D).

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**HL01**	**628**	**Hierarchical ID Number** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure ***In the first HL/030 loop iteration, cite the number 1. In each subsequent loop iteration, increase incrementally by 1.***	**M AN 1/12**
	HL02	**734**	**Hierarchical Parent ID Number** Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to ***1. Do not use in the HL/030 Shipment loop. Use in the HL/030 Order loop to identify the Shipment loop associated with the order. Use in each HL/030 Item loop iteration to identify the Order loop associated with each line item.*** ***2. Cite the sequential serial number assigned in HL01 of the Shipment loop to identify the order associated with the shipment. Cite the sequential serial number assigned in HL01 of the HL/030 Order loop to identify the line item associated with the Order loop. When providing UID information, cite the sequential serial number assigned in HL01 of the HL/30 line item loop to associate the UID information with its relevant line item. Citing the applicable information in this fashion provides a cross-reference for all Shipment, Order, Item information, and UID information contained in the Shipment and Billing Notice.***	**O AN 1/12**
M	**HL03**	**735**	**Hierarchical Level Code** Code defining the characteristic of a level in a hierarchical structure D Product Description ***Use to identify UID data consistent with UID data requirements. Only segments 2/IT1/370, 2/PID/450, and 2/SLN/470 are applicable to the UID data loop. Use a separate UID loop for each combination of UII type, original part number, Enterprise Identifier and Issuing Agency Code. Begin a new UID loop if any one of these elements differs. Begin a new UID loop if the number of items identified by UIIs exceeds the allowable repetitions of the SLN segment. When this occurs, repeat the IT1 data to retain the relationship.***	**M ID 1/2**

I	Item
	Use to identify the individual Item loop(s).
O	Order
	Use to identify the individual Order loop(s).
PH	Product Characteristic
	Use to identify product characteristics (Batch/Lot, Manufacturer, and Shelf Life Expiration Date) applicable to the item(s) being shipped/delivered. Only segments 2/IT1/370, 2/N9/430, 2/DTM/445, and 2/N1/140(if N1/140 is used, then G05/040 must be used to meet syntax requirements) are used. Multiple PH Loops may subordinate to a single Item Loop. No subordinate loops are allowed to this loop.
S	Shipment
	Use to identify the transaction set Shipment loop.
V	Address Information
X	Serial Number
	Use to provide Mark information associated with Parent UII (identified by a Parent UID loop) for new or updated items in the IUID Registry.

HL04 736 Hierarchical Child Code O ID 1/1

Code indicating if there are hierarchical child data segments subordinate to the level being described

1. Use in the Shipment loop to indicate the presence of one or more subordinate Order loops.

2. Use in the Order loop to indicate the presence of one or more subordinate Item loops.

3. Use in Item loop to indicate the presence of one or more subordinate UID loops.

0	No Subordinate HL Segment in This Hierarchical Structure.
1	Additional Subordinate HL Data Segment in This Hierarchical Structure.

Segment: **G05** **Total Shipment Information**
Position: 040
Loop: BS1 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To provide totals relating to the shipment
Syntax Notes:
1 If either G0501 or G0502 is present, then the other is required.
2 At least one of G0501 G0503 or G0505 is required.
3 If either G0503 or G0504 is present, then the other is required.
4 If either G0505 or G0506 is present, then the other is required.
5 If either G0507 or G0508 is present, then the other is required.
Semantic Notes:
Comments:
Notes:

1. Must use G0501/G0502 to report total quantities involved in the shipment to comply with X12 syntax requirements.

2. For transactions involving material only, use G0501/G0502 to indicate the total number of units shipped.

3. For transactions involving services only, use the quantity of 1 (one) in G0501 and the unit of measurement LO (Lot) in G0502.

4. For transactions involving both material and services, only report the material shipment quantity.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**G0501**	**382**	**Number of Units Shipped** Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set ***1. For transactions involving material only, indicate the total number of units shipped.*** ***2. For transactions involving services only, use the quantity of 1 (one).*** ***3. For transactions involving both material and services, indicate the total number of units (material only) shipped.***	**X R 1/10**
Must Use	**G0502**	**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 ***Use any code, the following is a preferred list:*** ***EA Each*** ***Use with G0501 when identifying material shipment quantities.***	**X ID 2/2**

			LO Lot ***Use with G0501 when the transaction involves services only.***		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	G0503	**81**	**Weight**	**X**	**R 1/10**
			Numeric value of weight		
	G0504	**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		
			LB Pound		
	G0505	**183**	**Volume**	**X**	**R 1/8**
			Value of volumetric measure		
			Use with G0506 = 5I or CF as applicable.		
	G0506	**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		
			The Cube field is a numeric field reflecting the total volume of a shipment in cubic feet. The field is a minimum one and maximum of eight numeric positions in length; decimals are not permitted and it cannot be a zero."		
			5I Standard Cubic Foot		
			Use for volume measured by Standard Cubic Foot defined as: One cubic foot of gas measured at a fixed temperature and pressure; the value used for the temperature and pressure varies depending on the type of gas being measure.		
			CF Cubic Feet		
			Use for volume measured by cubic feet.		
Not Used	**G0507**	**80**	**Lading Quantity**	**X**	**N0 1/7**
			Number of units (pieces) of the lading commodity		
Not Used	**G0508**	**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		

Segment: **TD1** **Carrier Details (Quantity and Weight)**
Position: 050
Loop: BS1 Optional
Level:
Usage: Optional
Max Use: 5
Purpose: To specify the transportation details relative to commodity, weight, and quantity
Syntax Notes:
1 If TD101 is present, then TD102 is required.
2 If TD103 is present, then TD104 is required.
3 If TD106 is present, then TD107 is required.
4 If either TD107 or TD108 is present, then the other is required.
5 If either TD109 or TD110 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
TD101	**103**	**Packaging Code** Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**AN 3/5**
TD102	**80**	**Lading Quantity** Number of units (pieces) of the lading commodity	**X**	**N0 1/7**
TD103	**23**	**Commodity Code Qualifier** Code identifying the commodity coding system used for Commodity Code Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 1/1**
TD104	**22**	**Commodity Code** Code describing a commodity or group of commodities	**X**	**AN 1/30**
TD105	**79**	**Lading Description** Description of an item as required for rating and billing purposes	**O**	**AN 1/50**
TD106	**187**	**Weight Qualifier** Code defining the type of weight Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 1/2**
TD107	**81**	**Weight** Numeric value of weight	**X**	**R 1/10**
TD108	**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 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 2/2**
TD109	**183**	**Volume**	**X**	**R 1/8**

		Value of volumetric measure		
TD110	**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 004010 Data Element Dictionary for acceptable code values.		

Segment: **TD5** **Carrier Details (Routing Sequence/Transit Time)**
Position: 080
Loop: BS1 Optional
Level:
Usage: Optional
Max Use: 10
Purpose: To specify the carrier and sequence of routing and provide transit time information
Syntax Notes:
1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.
2 If TD502 is present, then TD503 is required.
3 If TD507 is present, then TD508 is required.
4 If TD510 is present, then TD511 is required.
5 If TD513 is present, then TD512 is required.
6 If TD514 is present, then TD513 is required.
7 If TD515 is present, then TD512 is required.
Semantic Notes:
1 TD515 is the country where the service is to be performed.
Comments:
1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
TD501	**133**	**Routing Sequence Code** Code describing the relationship of a carrier to a specific shipment movement ***1. Use to identify each transportation leg which involves the loading of cargo onto a transportation device and its conveyance from one physical location to another.*** ***2. Equates to the Route Sequence Number in iRAPT.*** 1 — 1st Carrier after Origin Carrier ***For future use. Not available at this time. Not currently applicable for iRAPT interface.*** B — Origin/Delivery Carrier (Any Mode) ***For iRAPT Version 4.1, only Code B is valid.***	**O ID 1/2**
TD502	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) ***Use to identify the carrier applicable to the identified transportation leg (per TD501) by SCAC.*** 2 — Standard Carrier Alpha Code (SCAC)	**X ID 1/2**
TD503	**67**	**Identification Code** Code identifying a party or other code	**X AN 2/80**

Must Use	**TD504**	**91**	**Transportation Method/Type Code** Code specifying the method or type of transportation for the shipment ***Use to identify the mode of shipment.*** Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 1/2**
Not Used	**TD505**	**387**	**Routing** Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	**X**	**AN 1/35**
Not Used	**TD506**	**368**	**Shipment/Order Status Code** Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction	**X**	**ID 2/2**
Not Used	**TD507**	**309**	**Location Qualifier** Code identifying type of location	**O**	**ID 1/2**
Not Used	**TD508**	**310**	**Location Identifier** Code which identifies a specific location	**X**	**AN 1/30**
Not Used	**TD509**	**731**	**Transit Direction Code** The point of origin and point of direction	**O**	**ID 2/2**
Not Used	**TD510**	**732**	**Transit Time Direction Qualifier** Code specifying the value of time used to measure the transit time	**O**	**ID 2/2**
Not Used	**TD511**	**733**	**Transit Time** The numeric amount of transit time	**X**	**R 1/4**
Not Used	**TD512**	**284**	**Service Level Code** Code indicating the level of transportation service or the billing service offered by the transportation carrier	**X**	**ID 2/2**
Not Used	**TD513**	**284**	**Service Level Code** Code indicating the level of transportation service or the billing service offered by the transportation carrier	**X**	**ID 2/2**
Not Used	**TD514**	**284**	**Service Level Code** Code indicating the level of transportation service or the billing service offered by the transportation carrier	**O**	**ID 2/2**
Not Used	**TD515**	**26**	**Country Code** Code identifying the country	**O**	**ID 2/3**

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

Position: 090

Loop: BS1 Optional

Level:

Usage: Optional

Max Use: 1

Purpose: To specify transportation instructions relating to shipment

Syntax Notes:
1 If FOB03 is present, then FOB02 is required.
2 If FOB04 is present, then FOB05 is required.
3 If FOB07 is present, then FOB06 is required.
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:

Notes: ***This segment is only used when physical shipment of material is involved.***

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**FOB01**	**146**	**Shipment Method of Payment**		**M ID 2/2**
			Code identifying payment terms for transportation charges		
			BP	Paid by Buyer	
				Use to indicate a Government Bill of Lading (GBL) was issued.	
			DF	Defined by Buyer and Seller	
			PE	Prepaid and Summary Bill	
				Use when transportation charges are to be prepaid by the seller, are not included in the unit price, and are to be invoiced periodically.	
			PP	Prepaid (by Seller)	
				Use to indicate that transportation charges are not included in the unit price but are prepaid and are added as a separate item on this invoice.	
			PS	Paid by Seller	
				Use to indicate transportation charges are included in the unit price.	
	FOB02	**309**	**Location Qualifier**		**X ID 1/2**
			Code identifying type of location		
			Use to indicate the transportation responsibility location.		
			DE	Destination (Shipping)	

			IT Intermediate FOB Point ***Provide the address in the N1/140 loop, citing code KX in N101.*** OR Origin (Shipping Point)		
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 IT Intermediate FOB Point ***Provide the acceptance point address in the N1/140 loop, citing KZ in N101.***	**X**	**ID 1/2**
Not Used	**FOB07**	**352**	**Description** A free-form description to clarify the related data elements and their content	**O**	**AN 1/80**
Not Used	**FOB08**	**54**	**Risk of Loss Code** Code specifying where responsibility for risk of loss passes	**O**	**ID 2/2**
Not Used	**FOB09**	**352**	**Description** A free-form description to clarify the related data elements and their content	**X**	**AN 1/80**

Segment: **DTM** **Date/Time Reference**
Position: 100
Loop: BS1 Optional
Level:
Usage: Optional
Max Use: 5
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: ***Use this DTM/100 segment for dates that apply to shipment level information.***

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**DTM01**	**374**	**Date/Time Qualifier**	**M ID 3/3**
			Code specifying type of date or time, or both date and time	
			007 Effective	
			1. Use in Shipment loop (HL03 code S) to identify the effective date for a Reparables Combo when property transfer is contract to contract and the prime contractor does not change.	
			2. Use in Mark loop (HL03 code X) to identify the Date the Mark is placed on the item.	
			011 Shipped	
			Use to indicate that a supply has shipped, (i.e., the date a shipment was released to a carrier).	
			017 Estimated Delivery	
			094 Manufacture	
			Use in Mark loop (HL03 code X) to identify Date of Manufacture.	
			139 Estimated	
			196 Start	
			197 End	
			198 Completion	
			Use to identify Services Completion Date.	
			214 Date of Repair/Service	
			Use to indicate a general date that a service was provided.	
			245 Estimated Completion	

			Use to identify Estimated Services Completion Date.		
Must Use	**DTM02**	**373**	**Date** Date expressed as CCYYMMDD	**X**	**DT 8/8**
Not Used	**DTM03**	**337**	**Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	**X**	**TM 4/8**
Not Used	**DTM04**	**623**	**Time Code** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	**O**	**ID 2/2**
Not Used	**DTM05**	**1250**	**Date Time Period Format Qualifier** Code indicating the date format, time format, or date and time format	**X**	**ID 2/3**
Not Used	**DTM06**	**1251**	**Date Time Period** Expression of a date, a time, or range of dates, times or dates and times	**X**	**AN 1/35**

Segment: **N9** **Reference Identification**

Position: 110

Loop: BS1 Optional

Level:

Usage: Optional

Max Use: 20

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Syntax Notes:
1 At least one of N902 or N903 is required.
2 If N906 is present, then N905 is required.
3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:
1 N906 reflects the time zone which the time reflects.
2 N907 contains data relating to the value cited in N902.

Comments:

Notes:

1. Use multiple repetitions of this N9/110 segment to identify data that apply to the entire shipment. Use the N9/200 segment to identify data that apply to the Order level.

2. Use in 2/HL/030 Mark loops to provide Mark information related to parent UIDs. Repeat the N9 segment as needed. For values exceeding the N902 maximum field length limit of 30 characters, use the N903 for the overflow. For values exceeding the N902 and N903 maximum field length limit (combined 75 characters), use the N907 C04002, C04004, and C04006 as needed with appropriate qualifier cited in the C04001, C04003, and C04005.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**N901**	**128**	**Reference Identification Qualifier**		**M ID 2/3**
			Code qualifying the Reference Identification		
			Up to two secondary transportation identification numbers may be provided for each transportation leg (per TD501). For iRAPT Version 4.1 only one transportation leg may be identified. Field length for secondary transportation identification numbers in iRAPT may not exceed 30 characters.		
			08	Carrier Assigned Package Identification Number	
				This is authorized as a secondary transportation identification numbers in iRAPT. Use to identify carrier package tracking number when carrier is other than the United States Postal Service. Recommended this be use in conjunction with identification of the carrier identification by Standard Carrier Alpha Code (SCAC).	
			0L	Referenced By	

	Use to describe the type of secondary transportation identification number associated with the value cited as Other Unlisted Transportation Number (N901=XY Other Unlisted Type of Reference Number)
12	Billing Account
	Use to identify the Authorization Accounting Activity (AAA).
2E	Foreign Military Sales Case Number
	1. Use in the shipment loop, HL03=S. ***2. For transmission to iRAPT, the Foreign Military Sales Case Number is the concatenation of the Security Cooperation (SC) Customer Code, SC Implementing Agency Code, and SC Case Designator structured as XX-X-XXX.*** ***3. For transmission to DoD applications, this data element will be reformatted as three discrete data elements.*** ***4. For DLMS, in the 856 this data element is used to identify the two-position Security Cooperation (SC) Case Designator. The SC Customer Code is mapped to REF01 Code SCC and the SC Implementing Agency is mapped to REF01 Code SCI.***
7M	Frame
	Use in Mark loop (HL03 code X) to identify the Mark content type Hull Number.
AAG	Military ID
	Use in Mark loop (HL03 code X) to identify the Service/Agency/Command. Authorized values for N902 are: ***CHEMBIO*** ***MDA*** ***TRANSCOM*** ***SOCOM*** ***USARMY*** ***USAF*** ***USCG*** ***USMC*** ***USN***
AAL	Agent Number
	Use in Mark loop (HL03 code X) to identify the

	Mark content type USMC Number.
AAU	General Agency Number
	Use in Mark loop (HL03 code X) to identify the Mark content type USA Number.
AAW	Agency Assigned Number
	Use in Mark loop (HL03 code X) to identify the Mark content type USAF Number.
ABS	Vessel Name
	Use in Mark loop (HL03 code X) to identify the Mark content type Vessel Class.
AT	Appropriation Number
AW	Air Waybill Number
	This is authorized as a secondary transportation identification numbers in iRAPT. Use to identify the shipment unit air waybill number.
BL	Government Bill of Lading
	Use to identify the shipment unit Government bill of lading number.
BM	Bill of Lading Number
	Use to identify the shipment unit commercial bill of lading number.
BN	Booking Number
	This is authorized as a secondary transportation identification numbers in iRAPT. Use to identify shipment unit Sealift Booking Number."
CA	Cost Allocation Reference
CN	Carrier's Reference Number (PRO/Invoice)
	Use to identify the PRO/Invoice Number."A PRO or invoice number is a progressively sequential numbering system generated by commercial carriers to identify freight bills.
CT	Contract Number
	1. Use in Shipment loop (HL03 code S) to identify the Gaining Contract Number for Reparable Combo Reports. ***2. Use in Mark loop (HL03 code X) to identify the Mark content type Contract Number.***
DO	Delivery Order Number
DX	Department/Agency Number
	Use in Mark loop (HL03 code X) to identify the Mark content type USN Number.

E9	Attachment Code
FA	Federal Acquisition Regulations (FAR)
FI	File Identifier
	This is authorized as a secondary transportation identification numbers in iRAPT. Use to identify the Port Call File Number (PCFN)."This is a sealift identifier generated and assigned by the Integrated Booking System to uniquely identify a booking; sometimes referred to as the government's booking number.
FS	Final Sequence Number
	Indicate suffix associated with final shipment.
GU	Internal Purchase Order Item Number
	Use in Mark loop (HL03 code X) to identify the Mark content type Internal Asset Number. The Internal Asset Number may be carried in a combination of N902 (30 characters), N903 (45 characters), C04002 (30 characters), C04004 (30 characters), and C04006 (30 characters) for a maximum of 165 characters. When extending the Internal Asset Number into the composite data elements, the C04001, C04003, and C04005 must cite code GU.
IZ	Insured Parcel Post Number
	This is authorized as a secondary transportation identification numbers in iRAPT. Use to identify the shipment unit insured parcel post number.
JL	Packet
	Use in Mark loop (HL03 code X) as the Bagged/Tagged Indicator. Enter Y (Yes) or N (No) in the N902.
K2	Certified Mail Number
	This is authorized as a secondary transportation identification numbers in iRAPT. Use to identify the shipment unit certified mail number.
K3	Registered Mail Number
	This is authorized as a secondary transportation identification numbers in iRAPT. Use to identify the shipment unit registered parcel post number.
K6	Purchase Description
	Use in Mark loop (HL03 code X) to identify the Mark content type Item Nomenclature. The description may be carried in a combination of N902 (30 characters), N903 (45 characters),

	C04002 (30 characters), C04004 (30 characters), and C04006 (30 characters) for a maximum of 165 characters. When extending the description into the composite data elements, the C04001, C04003, and C04005 must cite code K6.
KL	Contract Reference
	For iRAPT, use to indicate a Contract Number Type. Cite the applicable code in N902. ***A - Cooperative Agreement*** ***B - DoD Contract (FAR)*** ***C - DoD Contract (Non-FAR)*** ***D - Grant*** ***E - Intragovernmental*** ***F - Intergovernmental*** ***G - International Agreement*** ***I - Non-DoD Contract (FAR)*** ***J - Non-DoD Contract (Non-FAR)*** ***K - Other Agreement*** ***S - Uniform PIID (FAR 4.16)***
LA	Shipping Label Serial Number
	Use to identify the fixe- length 18 character Serial Shipping Container Code (SSCC) used by NATO partners to track shipment units. Only one SSCC per ASN is authorized.
LT	Lot Number
	Use in Mark loop (HL03 code X) to identify the Mark content type Lot Number.
NS	National Stock Number
	Use in Mark loop (HL03 code X) to identify the Mark content type National Stock Number.
PM	Part Number
	Use in Mark loop (HL03 code X) to identify the Mark content type Part Number. Cite the Part Number in the N903.
PRT	Product Type
	Use in Mark loop (HL03 code X) to identify the Mark content type Type Designation. Type Designation is a series of letters and numbers based on a standard (usually military) that identifies the type/model/series of a piece of equipment. Examples: F/A-18C means Fighter/Attack Aircraft model 18 Series C. CVN-75 means Nuclear Aircraft Carrier Hull Number 75. The Type Designation may be carried in a combination of

	N902 (30 characters), N903 (45 characters) and N907 C04002 (30 characters). When extending the description into the composite data elements, the C04001 must cite code PRT.
Q5	Property Control Number
	Use in Mark loop (HL03 code X) to identify the Mark content type Property Control Number.
Q8	Registration Number
	Use in Mark loop (HL03 code X) to identify the Mark content type Registration Number.
RE	Release Number
SE	Serial Number
	Use in Mark loop (HL03 code X) to identify the Mark content type Serial Number.
SI	Shipper's Identifying Number for Shipment (SID)
	Use to indicate a shipment number assigned by the shipper.
SJ	Set Number
	Use in Mark loop (HL03 code X).
TG	Transportation Control Number (TCN)
	The TCN is a 17-character data element assigned to control and manage every shipment unit throughout the transportation pipeline. The TCN for each shipment is unique and not duplicated. Only one TCN per ASN is authorized.
TH	Transportation Account Code (TAC)
	Use in the HL03 = S loop in conjunction with REF02= Transportation Account Code (TAC). The Transportation Account Code is a data element used to identify the appropriation or user responsible for paying the transportation costs.
TIP	Technical Information Package
	Use in Mark loop (HL03 code X) to identify the Medium for the mark data. Authorized values for N902 are: ***2D COMPLIANT*** ***NONCOMPLIANT DATA MATRIX*** ***HUMAN READABLE*** ***CMB*** ***PDF417*** ***BARCODE*** ***RFID*** ***DEFINED*** ***PROFILE***

U3	Unique Supplier Identification Number (USIN)
	Use in the Mark loop (HL03 code X) to identify the Mark content type UII. Cite the UII in N903.
WY	Waybill Number
	This is authorized as a secondary transportation identification numbers in iRAPT. Use to identify the shipment unit Surface Waybill Number."
XY	Other Unlisted Type of Reference Number
	This is authorized as a secondary transportation identification numbers in iRAPT. Use to identify Other Unlisted Transportation Number.'Use additional N9 segment instance with Qualifier 0L'to explain the type of number identified.
Y9	Current Certificate Number
	Use in Mark loop (HL03 code X) to identify the Mark content type FAA Certification. The FAA Certification may be carried in a combination of N902 (30 characters), N903 (45 characters), C04002 (30 characters), C04004 (30 characters), and C04006 (30 characters) for a maximum of 165 characters. When extending the FAA Certification into the composite data elements, the C04001, C04003, and C04005 must cite code Y9.
ZA	Supplier
	Use in Mark loop (HL03 code X) to identify the Mark content type Supplier Name. The Supplier Name may be carried in a combination of N902 (30 characters), N903 (45 characters) and N907 C04002 (30 characters). When extending the description into the composite data elements, the C04001 must cite code ZA.
ZH	Carrier Assigned Reference Number
	This is authorized as a secondary transportation identification numbers in iRAPT. Use to identify the shipment unit Express Mail Number."
ZZ	Mutually Defined
	Use N902 to indicate information associated with Mark-for Party or general comments. If additional space is needed, also use N903. If necessary, can be used in conjunction with Mark -for Party identified in 1/N101/140.

N902 127 Reference Identification X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

	N903	**369**	**Free-form Description** Free-form descriptive text ***Use to identify the Routing Sequence Code (per TD501) as a cross reference when identifying secondary transportation identification numbers in iRAPT, e.g. B."***	**X**	**AN 1/45**
Not Used	**N904**	**373**	**Date** Date expressed as CCYYMMDD	**O**	**DT 8/8**
Not Used	**N905**	**337**	**Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	**X**	**TM 4/8**
Not Used	**N906**	**623**	**Time Code** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	**O**	**ID 2/2**
	N907	**C040**	**Reference Identifier** To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	**O**	
M	**C04001**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification GU — Internal Purchase Order Item Number ***Use in Mark loop (HL03 code X) to identify the Mark content type Internal Asset Number.*** K6 — Purchase Description ***Use in Mark loop (HL03 code X) to identify the Mark content type Item Nomenclature.*** PRT — Product Type ***Use in Mark loop (HL03 code X) to identify the Mark content type Type Designation.*** Y9 — Current Certificate Number ***Use in Mark loop (HL03 code X) to identify the Mark content type FAA Certification.*** ZA — Supplier ***Use in Mark loop (HL03 code X) to identify the Mark content type Supplier Name.***	**M**	**ID 2/3**
M	**C04002**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**M**	**AN 1/30**
	C04003	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**

Code qualifying the Reference Identification

GU	Internal Purchase Order Item Number
	Use in Mark loop (HL03 code X) to identify the Mark content type Internal Asset Number.
K6	Purchase Description
	Use in Mark loop (HL03 code X) to identify the Mark content type Item Nomenclature.
Y9	Current Certificate Number
	Use in Mark loop (HL03 code X) to identify the Mark content type FAA Certification.

C04004 127 Reference Identification X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

C04005 128 Reference Identification Qualifier X ID 2/3

Code qualifying the Reference Identification

GU	Internal Purchase Order Item Number
	Use in Mark loop (HL03 code X) to identify the Mark content type Internal Asset Number.
K6	Purchase Description
	Use in Mark loop (HL03 code X) to identify the Mark content type Item Nomenclature.
Y9	Current Certificate Number
	Use in Mark loop (HL03 code X) to identify the Mark content type FAA Certification.

C04006 127 Reference Identification X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment: **PER** **Administrative Communications Contact**

Position: 120

Loop: BS1 Optional

Level:

Usage: Optional

Max Use: 5

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:

Notes: ***Use to indicate the name of a general point of contact.***

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**PER01**	**366**	**Contact Function Code** Code identifying the major duty or responsibility of the person or group named ***Use to indicate an individual contractor's organization to be contacted with questions arising from the submission of this transaction set.*** CN General Contact ***Use in the Address Information Loop (HL03=V) when 2/N101/140 cites code FE to identify additional e-mail notifications.*** IC Information Contact ***Use to indicate an individual in the contractor's organization to be contacted with questions arising from the submission this transaction.***	**M ID 2/2**
	PER02	**93**	**Name** Free-form name ***1. Cite the last name first, followed by first name. If the whole name is longer than 60 characters, truncate or use initials for the first name.*** ***2. When PER01 cites IC for iRAPT, enter iRAPT USERID in PER02.***	**O AN 1/60**
	PER03	**365**	**Communication Number Qualifier** Code identifying the type of communication number ***Use to identify a communication number for the party cited in PER02. Use Per03/04 to identify the communication number.*** EM Electronic Mail TE Telephone ***Use to indicate a commercial telephone number.***	**X ID 2/2**

			Include the area code.		
	PER04	**364**	**Communication Number**	**X**	**AN 1/80**
			Complete communications number including country or area code when applicable		
	PER05	**365**	**Communication Number Qualifier**	**X**	**ID 2/2**
			Code identifying the type of communication number EM Electronic Mail EX Telephone Extension		
			Use only if PER03 is used citing code TE.		
	PER06	**364**	**Communication Number**	**X**	**AN 1/80**
			Complete communications number including country or area code when applicable		
	PER07	**365**	**Communication Number Qualifier**	**X**	**ID 2/2**
			Code identifying the type of communication number EM Electronic Mail		
	PER08	**364**	**Communication Number**	**X**	**AN 1/80**
			Complete communications number including country or area code when applicable		
Not Used	**PER09**	**443**	**Contact Inquiry Reference**	**O**	**AN 1/20**
			Additional reference number or description to clarify a contact number		

Segment: **CUR** **Currency**
Position: 130
Loop: BS1 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:
1 If CUR08 is present, then CUR07 is required.
2 If CUR09 is present, then CUR07 is required.
3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4 If CUR11 is present, then CUR10 is required.
5 If CUR12 is present, then CUR10 is required.
6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7 If CUR14 is present, then CUR13 is required.
8 If CUR15 is present, then CUR13 is required.
9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10 If CUR17 is present, then CUR16 is required.
11 If CUR18 is present, then CUR16 is required.
12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13 If CUR20 is present, then CUR19 is required.
14 If CUR21 is present, then CUR19 is required.
Semantic Notes:
Comments:
1 See Figures Appendix for examples detailing the use of the CUR segment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**CUR01**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 2/3**
M	**CUR02**	**100**	**Currency Code** Code (Standard ISO) for country in whose currency the charges are specified	**M ID 3/3**
	CUR03	**280**	**Exchange Rate** Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	**O R 4/10**
	CUR04	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 2/3**
	CUR05	**100**	**Currency Code** Code (Standard ISO) for country in whose currency the charges are specified	**O ID 3/3**

CUR06	**669**	**Currency Market/Exchange Code**	**O**	**ID 3/3**
		Code identifying the market upon which the currency exchange rate is based Refer to 004010 Data Element Dictionary for acceptable code values.		
CUR07	**374**	**Date/Time Qualifier**	**X**	**ID 3/3**
		Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.		
CUR08	**373**	**Date**	**O**	**DT 8/8**
		Date expressed as CCYYMMDD		
CUR09	**337**	**Time**	**O**	**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)		
CUR10	**374**	**Date/Time Qualifier**	**X**	**ID 3/3**
		Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.		
CUR11	**373**	**Date**	**X**	**DT 8/8**
		Date expressed as CCYYMMDD		
CUR12	**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)		
CUR13	**374**	**Date/Time Qualifier**	**X**	**ID 3/3**
		Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.		
CUR14	**373**	**Date**	**X**	**DT 8/8**
		Date expressed as CCYYMMDD		
CUR15	**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)		
CUR16	**374**	**Date/Time Qualifier**	**X**	**ID 3/3**
		Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.		
CUR17	**373**	**Date**	**X**	**DT 8/8**
		Date expressed as CCYYMMDD		
CUR18	**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)		
CUR19	**374**	**Date/Time Qualifier**	**X**	**ID 3/3**
		Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.		
CUR20	**373**	**Date**	**X**	**DT 8/8**
		Date expressed as CCYYMMDD		
CUR21	**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)		

Segment: **N1** **Name**
Position: 140
Loop: N1 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:
1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments:
1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.
Notes:
1. Whenever possible, address information should be transmitted using code values contained in a combination of the N101 and N103/4 data elements. Use N102 and N2-N4 segments only when it is necessary to transmit the full address. For example, if a contractor can be identified by a Dun & Bradstreet (DUNS) number, it is not necessary to transmit the contractor's full address since the relationship between the DUNS number and the contractor's address can be established by accessing a data base in which the information is stored, having been put there at the time the contractor electronically registered as a Federal Government trading partner.

2. Use this N1/140 Name loop to identify organizations applicable to the shipment information.

3. Use this N1/140 loop to identify: a) contractor, or other party originating the transaction set; b) the Ship-To, or ultimate recipient; c) other party receiving the transaction set; and d) additional e-mail recipients to receive notification of document submissions via EDI.

4. Use the iRAPT Implementation Guide for iRAPT specific addressing instructions.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N101**	**98**	**Entity Identifier Code**	**M ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual	
			42 Component Manufacturer	
			Use in Mark loop (HL03 code X).	
			7D Contracting Officer Representative	
			AAU Marker Owner	
			Use in Mark loop (HL03 code X) to identify the	

	Mark Owner, who represents the entity/activity that added the Mark to an item.
AQ	Account of (Destination Party)
BY	Buying Party (Purchaser)
	Use to indicate 'Issue By' activity.
C4	Contract Administration Office
FE	Mail Address
	Use in the Address Information Loop (HL03=V) to identify additional e-mail addresses requiring notification of the document submission via EDI. Identify the organization name in the N102 and the e-mail addresses in the associated PER segment(s)
IAO	Manager
KA	Item Manager
KX	Free on Board Point
	Use to indicate the FOB point when it has to be described by a specific address rather than as a code value indicating either origin or destination. Use when 1/FOB02/090 is code IT - Intermediate.
KZ	Acceptance Location
	Use to indicate the acceptance location when it has to be described by a specific address rather than as a code value indicating either origin or destination. Use when 1/FOB06/090 is code IT - Intermediate.
L1	Inspection Location
PE	Payee
PO	Party to Receive Invoice for Goods or Services
PR	Payer
SE	Selling Party
	Use to indicate the Prime Contractor or vendor.
SF	Ship From
ST	Ship To
	Use to indicate the address to which an item must be shipped. If the ship-to address is an FPO or APO, cite the FPO or APO zip code in N403, cite code AR in N405, and cite the two letter identifier (AA for Miami, AE for New York, and AP for San Francisco) in N406.
SU	Supplier/Manufacturer
	For DMLSS, if a batch/lot is provided in N9/430 of PH Loop, the actual Manufacturer must be provided---either by using this N1 segment in PH

Loop or also using the N901/430 ZM Code with text name of manufacturer. The manufacturer may be identified by CAGE, DUNS or DUNS + 4.

SV Service Performance Site

Z7 Mark-for Party

Use as needed to identify Mark-for Party. If necessary, use 1/N901/110, code ZZ, to provide any additional comments associated with the Mark-for Party.

N102 93 Name X AN 1/60

Free-form name

Use as necessary, to indicate the name of the activity cited in N101. When that party can be identified by a code value in N104, it is not necessary to provide the name. If additional characters are required to cite the full name, truncate at a logical point and use the N2 segment for the additional name information. If the ship-to address is an APO or FPO, cite APO or FPO as appropriate.

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

Use in all transmissions to identify the DUNS number of the seller (code SE). Use in other iterations of the N1 loop with the appropriate N101 codes to identify Government activities or other contractor locations.

9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix

Use to indicate the transacting parties where D-U-N-S+4 is appropriate.

10 Department of Defense Activity Address Code (DODAAC)

Use to indicate either a Department of Defense Activity Address Code or a Civilian Agency Activity Address Code.

14 UCC/EAN Location Code Prefix

Use to identify the UCC/EAN Company Prefix. Enter the prefix value (0-9) in the N104.

21 Health Industry Number (HIN)

When used in the Mark loop (HL03 code X), use to identify the European Health Industry Business Communications Council (EHIBCC) Number.

33 Commercial and Government Entity (CAGE)

41 Telecommunications Carrier Identification Code

			When used in the Mark loop (HL03 code X), use to identify the American National Standard for Telecommunications Information Interchange - Coded Representation of the North American Telecommunication Industry Manufacturers, Suppliers, and Related Service Companies (ANSI T1.220) value.		
		A2	Military Assistance Program Address Code (MAPAC)		
N104	**67**	**Identification Code**		**X**	**AN 2/80**
		Code identifying a party or other code			
		Use to cite the actual Dun and Bradstreet, Dun and Bradstreet+4 or Department of Defense Activity Address Code.			
N105	**706**	**Entity Relationship Code**		**O**	**ID 2/2**
		Code describing entity relationship			
		33	Owned		
		38	Owner		
N106	**98**	**Entity Identifier Code**		**O**	**ID 2/3**
		Code identifying an organizational entity, a physical location, property or an individual			
		NP	Notify Party for Shipper's Order		
			Use when N101 cites code FE to indicate that the e-mail recipients identified in the associated PER segment are to receive notification from iRAPT of document submission via EDI.		

Segment: **N2** **Additional Name Information**
Position: 150
Loop: N1 Optional
Level:
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 60 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes: ***Use, as applicable, to indicate additional name information for the party cited in N101, when the size of the name is greater than the space allocated in N102.***

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N201**	**93**	**Name** Free-form name	**M**	**AN 1/60**
	N202	**93**	**Name** Free-form name	**O**	**AN 1/60**

Segment: **N3** **Address Information**
Position: 160
Loop: N1 Optional
Level:
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: ***1. Use to indicate the number of the building, the name of the street, suite numbers, if applicable, and any other address information. Use N302 if additional space is required.***

2. This segment is not necessary when the cited party can be identified by a code value in N101/03/04.

Data Element Summary

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

Segment: **N4** **Geographic Location**
Position: 170
Loop: N1 Optional
Level:
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 U.S. or Canada.
Notes: ***1. This segment is not necessary when the cited party can be identified by a code value in N101/03/04.***

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) ***Do not use a dash in the zip code.***	**O**	**ID 3/15**
N404	**26**	**Country Code** Code identifying the country ***Use only when other than the United States.***	**O**	**ID 2/3**
N405	**309**	**Location Qualifier** Code identifying type of location AR Armed Services Location Designation ***Use to indicate an Army Post Office (APO) or a Fleet Post Office (FPO)***	**X**	**ID 1/2**
N406	**310**	**Location Identifier** Code which identifies a specific location ***When N405 is code AR, cite the Two letter APO or FPO identifier (AA for Miami, AE for New York, or AP for San Francisco).***	**O**	**AN 1/30**

Segment: **LM** **Code Source Information**
Position: 175
Loop: LM Optional
Level:
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
M	**LM01**	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values DF Department of Defense (DoD)	**M ID 2/2**
	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: 176
Loop: LM Optional
Level:
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

Ref. Des.	Data Element	Name	Attributes	
LQ01	**1270**	**Code List Qualifier Code** Code identifying a specific industry code list 7 Quality Assurance Site Code 8 Acceptance Site Code	**O**	**ID 1/3**
LQ02	**1271**	**Industry Code** Code indicating a code from a specific industry code list	**X**	**AN 1/30**

Segment: **TDS** **Total Monetary Value Summary**

Position: 180

Loop: BS2 Optional

Level:

Usage: Optional

Max Use: 1

Purpose: To specify the total invoice discounts and amounts

Syntax Notes:

Semantic Notes:

1 TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).

2 TDS02 indicates the amount upon which the terms discount amount is calculated.

3 TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).

4 TDS04 indicates the total amount of terms discount.

Comments:

1 TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

Notes:

1. Use this Order level loop to identify total invoice monetary amounts applicable to all items in the order.

2. There is no need to transmit either the currency symbol (e.g., the dollar sign $), commas separating thousands, or the decimal point, because the amount data elements are N2 types which means that there are two decimal places implied in every transmitted number. When using, be sure to follow all whole numbers with two zeros to account for the implied two decimal places.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**TDS01**	**610**	**Amount** Monetary amount ***Use to indicate the total amount of the invoice.***	**M**	**N2 1/15**
Not Used	**TDS02**	**610**	**Amount** Monetary amount	**O**	**N2 1/15**
Not Used	**TDS03**	**610**	**Amount** Monetary amount	**O**	**N2 1/15**
Not Used	**TDS04**	**610**	**Amount** Monetary amount	**O**	**N2 1/15**

Segment: **PRF** **Purchase Order Reference**
Position: 190
Loop: BS2 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To provide reference to a specific purchase order
Syntax Notes:
Semantic Notes: **1** PRF04 is the date assigned by the purchaser to purchase order.
Comments:
Notes: ***1. Use to identify the Procurement Instrument Identification Number (PIIN) and, if applicable the Supplemental Procurement Instrument Identification Number (SPIIN).***

2. Use to identify additional contract information including a contract or order modification.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**PRF01**	**324**	**Purchase Order Number** Identifying number for Purchase Order assigned by the orderer/purchaser ***Enter the purchase order number, contract number (including Federal Supply Schedules, General Services Administration Schedules and all other basic contracts). This is always the Procurement Instrument Identification Number (PIIN) for the Department of Defense or the equivalent expression for Civilian Agencies. This is never the number of a delivery order, call or release against a basic award instrument, that number is carried in PRF02. This number shall be transmitted without dashes.***	**M AN 1/22**
	PRF02	**328**	**Release Number** Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction ***Enter the number of a release, call or delivery order against a basic award instrument. This is always the Supplemental Procurement Instrument Identification Number (SPIIN). This number shall be transmitted without dashes.***	**O AN 1/30**
	PRF03	**327**	**Change Order Sequence Number** Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set	**O AN 1/8**
	PRF04	**373**	**Date** Date expressed as CCYYMMDD ***1. When PRF02 is used, cite the date of the delivery order, call or release.***	**O DT 8/8**

			2. When PRF02 is not used, cite the date of the award instrument identified in PRF01.		
Not Used	**PRF05**	**350**	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set	**O**	**AN 1/20**
Not Used	**PRF06**	**367**	**Contract Number** Contract number	**O**	**AN 1/30**
Not Used	**PRF07**	**92**	**Purchase Order Type Code** Code specifying the type of Purchase Order	**O**	**ID 2/2**

Segment: **N9** **Reference Identification**

Position: 200

Loop: BS2 Optional

Level:

Usage: Optional

Max Use: >1

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Syntax Notes:
1 At least one of N902 or N903 is required.
2 If N906 is present, then N905 is required.
3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:
1 N906 reflects the time zone which the time reflects.
2 N907 contains data relating to the value cited in N902.

Comments:

Notes: ***1. Use this N9/200 segment to identify numbers that apply to a particular order/invoice and all of the line items. Use the N9/110 segment for numbers that apply to shipment information.***

2. Use to identify transaction numbers (i.e., the requisition number), an applicable number suffix, and/or other controlling numbers.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**N901**	**128**	**Reference Identification Qualifier**		**M ID 2/3**
			Code qualifying the Reference Identification		
			AT	Appropriation Number	
			CA	Cost Allocation Reference	
			CT	Contract Number	
			DO	Delivery Order Number	
			IK	Invoice Number	
				Use to indicate the Invoice number. The invoice number may not be duplicated by an issuer in an original transaction (BHT02, code 00) within a 12 month period. The same number can be used if issuing a duplicate or replacement Advance Shipment and Billing Notice (BHT02 is code 05 or 07).	
			IL	Internal Order Number	
				Use to indicate the purchase requisition number associated with the entire order.	
			IZ	Insured Parcel Post Number	
			K2	Certified Mail Number	

			K3 Registered Mail Number		
			RQ Purchase Requisition Number		
Must Use	**N902**	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	**N903**	**369**	**Free-form Description**	**X**	**AN 1/45**
			Free-form descriptive text		
Not Used	**N904**	**373**	**Date**	**O**	**DT 8/8**
			Date expressed as CCYYMMDD		
Not Used	**N905**	**337**	**Time**	**X**	**TM 4/8**
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
Not Used	**N906**	**623**	**Time Code**	**O**	**ID 2/2**
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow		
	N907	**C040**	**Reference Identifier**	**O**	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
M	**C04001**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			AT Appropriation Number		
			CA Cost Allocation Reference		
			IK Invoice Number		
			IL Internal Order Number		
			IZ Insured Parcel Post Number		
			K2 Certified Mail Number		
			K3 Registered Mail Number		
			RQ Purchase Requisition Number		
M	**C04002**	**127**	**Reference Identification**	**M**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	**C04003**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**
			Code qualifying the Reference Identification		
Not Used	**C04004**	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	**C04005**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**

			Code qualifying the Reference Identification		
Not Used	**C04006**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**AN 1/30**

Segment: **DTM** **Date/Time Reference**

Position: 210

Loop: BS2 Optional

Level:

Usage: Optional

Max Use: 10

Purpose: To specify pertinent dates and times

Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

1. Use this DTM/210 segment in the Order loop, to specify dates that apply to all line items in the order/invoice.

2. Use the DTM/100 segment to specify dates that apply to shipment type information. Use the DTM/445 segment (when available in a future release) to specify dates that apply to individual line items.

3. Use two repetitions of this segment (codes 186 and 187) when a range of dates (expressed as period start - period end), is required.

4. Use to identify the actual or estimated date of material shipment or a service performance when the same date applies to all line items.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**DTM01**	**374**	**Date/Time Qualifier**	**M**	**ID 3/3**
			Code specifying type of date or time, or both date and time		
			035 Delivered		
			050 Received		
			186 Invoice Period Start		
			187 Invoice Period End		
			201 Acceptance		
			458 Certification		
	DTM02	**373**	**Date**	**X**	**DT 8/8**
			Date expressed as CCYYMMDD		
	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

Refer to 004010 Data Element Dictionary for acceptable code values.

DTM05	**1250**	**Date Time Period Format Qualifier**	**X**	**ID 2/3**

Code indicating the date format, time format, or date and time format

1. Use any code.

2. Use to qualify a date when it is necessary to express the date in other than YYMMDD format.

Refer to 004010 Data Element Dictionary for acceptable code values.

DTM06	**1251**	**Date Time Period**	**X**	**AN 1/35**

Expression of a date, a time, or range of dates, times or dates and times

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

Position: 220

Loop: BS2 Optional

Level:

Usage: Optional

Max Use: 5

Purpose: To specify terms of sale

Syntax Notes:
1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantic Notes:
1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.

Comments:
1 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

Notes:
1. Use to identify discount terms applicable to the order.

2. Discount terms must be the same as identified in the applicable award instrument unless the contractor is offering better discount terms.

3. Use only when a discount or Fast Pay is applicable.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
ITD01	**336**	**Terms Type Code** Code identifying type of payment terms 03 Fixed Date 08 Basic Discount Offered 22 Cash Discount Terms Apply	**O ID 2/2**
ITD02	**333**	**Terms Basis Date Code** Code identifying the beginning of the terms period ***1. Use this data element only if better terms are being offered than are contained in the applicable award instrument.*** ***2. Use any code.*** Refer to 004010 Data Element Dictionary for acceptable code values.	**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 ***The amount shown is a percent, e.g., two and a half percent should be shown as 2.5 (two point five). Do not write the percent as .025***	**O R 1/6**
ITD04	**370**	**Terms Discount Due Date** Date payment is due if discount is to be earned expressed in format	**X DT 8/8**

			CCYYMMDD ***Use to indicate the date for the discount when ITD01 is code 03.***		
	ITD05	**351**	**Terms Discount Days Due** Number of days in the terms discount period by which payment is due if terms discount is earned ***Use to indicate the number of days applicable to the term discount. Example, 2/10 indicates a 2% discount is given if the invoice is paid within 10 days.***	**X**	**N0 1/3**
Not Used	**ITD06**	**446**	**Terms Net Due Date** Date when total invoice amount becomes due expressed in format CCYYMMDD	**O**	**DT 8/8**
	ITD07	**386**	**Terms Net Days** Number of days until total invoice amount is due (discount not applicable) ***Use this data element to indicate net payment period, Example: Net 30 indicates the invoice amount is due within 30 days. Use this data element only if better discount terms are being offered than are contained in the applicable award instrument.***	**O**	**N0 1/3**
	ITD08	**362**	**Terms Discount Amount** Total amount of terms discount ***1. Use this data element to indicate an amount of the terms discount. Use this data element only if better discount terms are being offered than are contained in the applicable award instrument.*** ***2. Use, if needed, to prevent differences that can result from rounding off methods.***	**O**	**N2 1/10**
Not Used	**ITD09**	**388**	**Terms Deferred Due Date** Date deferred payment or percent of invoice payable is due expressed in format CCYYMMDD	**O**	**DT 8/8**
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 1/2**
Not Used	**ITD15**	**954**	**Percent** Percentage expressed as a decimal	**O**	**R 1/10**

Segment: **TXI** **Tax Information**
Position: 230
Loop: BS2 Optional
Level:
Usage: Optional
Max Use: 10
Purpose: To specify tax information
Syntax Notes:
1 At least one of TXI02 TXI03 or TXI06 is required.
2 If either TXI04 or TXI05 is present, then the other is required.
3 If TXI08 is present, then TXI03 is required.
Semantic Notes:
1 TXI02 is the monetary amount of the tax.
2 TXI03 is the tax percent expressed as a decimal.
3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**TXI01**	**963**	**Tax Type Code** Code specifying the type of tax CA City Tax F1 FICA Tax FD Federal Tax FI Federal Income Tax Withholding FT Federal Excise Tax GR Gross Receipts Tax LO Local Tax (Not Sales Tax) LS State and Local Sales Tax SA State or Provincial Fuel Tax SE State Excise Tax	**M ID 2/2**
	TXI02	**782**	**Monetary Amount** Monetary amount	**X R 1/18**
	TXI03	**954**	**Percent** Percentage expressed as a decimal	**X R 1/10**
	TXI04	**955**	**Tax Jurisdiction Code Qualifier** Code identifying the source of the data used in tax jurisdiction code Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 2/2**
	TXI05	**956**	**Tax Jurisdiction Code** Code identifying the taxing jurisdiction	**X AN 1/10**
	TXI06	**441**	**Tax Exempt Code** Code identifying exemption status from sales and use tax	**X ID 1/1**

		Refer to 004010 Data Element Dictionary for acceptable code values.		
TXI07	**662**	**Relationship Code** Code indicating the relationship between entities Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 1/1**
TXI08	**828**	**Dollar Basis For Percent** Dollar basis to be used in the percent calculation of the allowance, charge or tax	**O**	**R 1/9**
TXI09	**325**	**Tax Identification Number** Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	**O**	**AN 1/20**
TXI10	**350**	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set	**O**	**AN 1/20**

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

Position: 240

Loop: SAC Optional

Level:

Usage: Optional

Max Use: 1

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

Syntax Notes:

1 At least one of SAC02 or SAC03 is required.

2 If either SAC03 or SAC04 is present, then the other is required.

3 If either SAC06 or SAC07 is present, then the other is required.

4 If either SAC09 or SAC10 is present, then the other is required.

5 If SAC11 is present, then SAC10 is required.

6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.

7 If SAC14 is present, then SAC13 is required.

8 If SAC16 is present, then SAC15 is required.

Semantic Notes:

1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.

2 SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.

3 SAC08 is the allowance or charge rate per unit.

4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.

5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.

6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.

7 SAC16 is used to identify the language being used in SAC15.

Comments:

1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.

2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes: ***Use this SAC/240 segment in the Order loop to identify total charges that are not being invoiced as a line item. These amounts are included in the TDS/180 segment.***

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**SAC01**	**248**	**Allowance or Charge Indicator** Code which indicates an allowance or charge for the service specified A Allowance	**M ID 1/1**

			C Charge		
			N No Allowance or Charge		
Must Use	**SAC02**	**1300**	**Service, Promotion, Allowance, or Charge Code**	**X**	**ID 4/4**
			Code identifying the service, promotion, allowance, or charge		
			B020 Certificate of Conformance		
			B050 Certification		
			B560 Container Allowance		
			B570 Container Deposits		
			B660 Contract Allowance		
			B950 Damaged Merchandise		
			C040 Delivery		
			C310 Discount		
			D340 Goods and Services Charge		
			D350 Goods and Services Credit Allowance		
			D900 Installation		
			D980 Insurance		
			F050 Other (See related description)		
			F110 Overrun Charge		
			F155 Packaging		
			F460 Postage		
			F650 Preparation		
			F680 Price Deviation		
			F690 Prior Balance		
			F810 Promotional Discount		
			F910 Quantity Discount		
			F920 Quantity Surcharge		
			I170 Trade Discount		
			I180 Trade In		
			I260 Transportation Direct Billing		
			Use to indicate a transportation charge when not applicable to a specific line item.		
Not Used	**SAC03**	**559**	**Agency Qualifier Code**	**X**	**ID 2/2**
			Code identifying the agency assigning the code values		
Not Used	**SAC04**	**1301**	**Agency Service, Promotion, Allowance, or Charge Code**	**X**	**AN 1/10**
			Agency maintained code identifying the service, promotion, allowance, or charge		
	SAC05	**610**	**Amount**	**O**	**N2 1/15**
			Monetary amount		
			Use to identify the amount of the charge.		
Not Used	**SAC06**	**378**	**Allowance/Charge Percent Qualifier**	**X**	**ID 1/1**

			Code indicating on what basis allowance or charge percent is calculated		
Not Used	**SAC07**	**332**	**Percent**	**X**	**R 1/6**
			Percent expressed as a percent		
Not Used	**SAC08**	**118**	**Rate**	**O**	**R 1/9**
			Rate expressed in the standard monetary denomination for the currency specified		
Not Used	**SAC09**	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	**SAC10**	**380**	**Quantity**	**X**	**R 1/15**
			Numeric value of quantity		
Not Used	**SAC11**	**380**	**Quantity**	**O**	**R 1/15**
			Numeric value of quantity		
Not Used	**SAC12**	**331**	**Allowance or Charge Method of Handling Code**	**O**	**ID 2/2**
			Code indicating method of handling for an allowance or charge		
Not Used	**SAC13**	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	**SAC14**	**770**	**Option Number**	**O**	**AN 1/20**
			A unique number identifying available promotion or allowance options when more than one is offered		
	SAC15	**352**	**Description**	**X**	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
Not Used	**SAC16**	**819**	**Language Code**	**O**	**ID 2/3**
			Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)		

Segment: **FA1** **Type of Financial Accounting Data**
Position: 294
Loop: FA1 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To specify the organization controlling the content of the accounting citation, and the purpose associated with the accounting citation
Syntax Notes:
Semantic Notes:
1 FA101 Identifies the organization controlling the assignment of financial accounting information.
2 FA102 Identifies the purpose of the accounting allowance or charge information.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**FA101**	**559**	**Agency Qualifier Code**	**M ID 2/2**
			Code identifying the agency assigning the code values	
			This data element is required for X12 syntax. Select the code that corresponds to the organization that is responsible for the assignment of the DoDAAC used to construct the controlling document number for the transaction.	
			DF Department of Defense (DoD)	
			Use to indicate that the Component is a Department of Defense agency, including Defense Logistics Agency. Refer to ADC 1043.	
			DN Department of the Navy	
			Includes the United States Marine Corps.	
			DX United States Marine Corps	
			DY Department of Air Force	
			DZ Department of Army	
			FG Federal Government	
	FA102	**1300**	**Service, Promotion, Allowance, or Charge Code**	**O ID 4/4**
			Code identifying the service, promotion, allowance, or charge	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	FA103	**248**	**Allowance or Charge Indicator**	**O ID 1/1**
			Code which indicates an allowance or charge for the service specified	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **FA2** **Accounting Data**
Position: 295
Loop: FA1 Optional
Level:
Usage: Mandatory
Max Use: >1
Purpose: To specify the detailed accounting data
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**FA201**	**1196**	**Breakdown Structure Detail Code**	**M ID 2/2**
			Codes identifying details relating to a reporting breakdown structure tree	
			18 Funds Appropriation	
			Use this code in conjunction with codes L1 and ZZ when the individual components of the LOA cannot be generated by the application. When used, provide the basic appropriation number (department code through appropriation limit). Example: 1717979818100400	
			A1 Department Indicator	
			Use to indicate the two-position department code	
			A2 Transfer from Department	
			Use to indicate the two-position transfer from department	
			A3 Fiscal Year Indicator	
			Use to indicate the eight position fiscal year. The first four positions represent the first year the funds are available and the last four positions represent the last year the funds are available. Example: Year one 1999, year two 2000 would be cited as 19992000."	
			A4 Basic Symbol Number	
			Use to indicate the four-position code assigned by the Treasury that indicates the type of funds for appropriation.	
			A5 Sub-class	
			Use to indicate the four position numeric suffix that identifies the subdivision of funds that restricts the amount or use of funds.	

A6	Sub-Account Symbol
	Use to indicate the two position Fund Code or Material Category Code.
B1	Budget Activity Number
	Use to indicate the two position Operation Agency Code that indicates the issuing organization.
B2	Budget Sub-activity Number
	Use to indicate the Allotment Serial Number that indicates the distribution of funds.
B3	Budget Program Activity
	Use to indicate the six-position activity address code of the card holder.
B4	Program Year Indicator
	Use to indicate the one position Program Year.
C1	Program Element
	Use to indicate the program element code.
C2	Project Task or Budget Subline
D1	Defense Agency Allocation Recipient
D4	Component Sub-allocation Recipient
	Use to indicate the Job Order/Work Center Order Number for assigning cost to a specific project.
D6	Sub-allotment Recipient
	Use to indicate the one position Sub-allotment Recipient.
D7	Work Center Recipient
	Use to indicate the six position Work Center Recipient.
E1	Major Reimbursement Source Code
E2	Detail Reimbursement Source Code
E3	Customer Indicator
	Use to indicate the six-position customer identifier who has requested the goods or services.
F1	Object Class
	Use to indicate the Object Class, Element of Resource or the Element of Expense.
F3	Government or Public Sector Identifier
	Use to indicate the government or public source providing the goods or services.
F4	Country Code
G1	Program or Planning Code
G2	Special Interest Code or Special Program Cost Code

H1	Cost Code
	Use to indicate the Cost Code.
H3	Cost Allocation Code
H4	Classification Code
I1	Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC)
	Use to indicate the shorthand elements of the accounting classification.
J1	Document or Record Reference Number
	Use to indicate the Standard Document Number.
K6	Accounting Classification Reference Code
L1	Accounting Installation Number
	1. Use to indicate the Accountable Station Number. The Accountable Station Code is the Fiscal Station Number (FSN) of both the Army and the Office of the Secretary of Defense (OSD), the Authorization Accounting Activity (AAA) of the Navy, or the Accounting and Disbursing Station Number (ADSN) used by the Air Force. The Accountable Station Codes (TAC3) are published in the DoD 7000.14-R (Financial Management Regulation). Civilian Agencies will cite their equivalent organization code. ***2. This code is used whether or not the application can generate the individual components of the LOA. If the application cannot generate the individual components of the LOA, use this code in conjunction with codes 18 and ZZ.***
M1	Local Installation Data
	Use to indicate the Installation Facilities System number.
N1	Transaction Type
	Use to indicate the transaction type code.
P5	Foreign Military Sales (FMS) Line Item Number
	Use to indicate the FMS Case Number, Country Code and FMS line number.
P6	Contract Payment Notice (CPN) Recipient Indicator
	Use to indicate the 8 position CPN Recipient/Organization Code.
ZZ	Mutually Defined
	Use this code in conjunction with codes 18 and L1 when the individual components of the LOA

			cannot be generated by the application. When used, provide the balance of the financial accounting data which should include the Accountable Station Number identified by the use of code L1 in another iteration of this segment.		
M	**FA202**	**1195**	**Financial Information Code** Code representing financial accounting information	**M**	**AN 1/80**

Segment: **IT1** **Baseline Item Data (Invoice)**
Position: 370
Loop: BS5 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions
Syntax Notes:
1 If any of IT102 IT103 or IT104 is present, then all are required.
2 If either IT106 or IT107 is present, then the other is required.
3 If either IT108 or IT109 is present, then the other is required.
4 If either IT110 or IT111 is present, then the other is required.
5 If either IT112 or IT113 is present, then the other is required.
6 If either IT114 or IT115 is present, then the other is required.
7 If either IT116 or IT117 is present, then the other is required.
8 If either IT118 or IT119 is present, then the other is required.
9 If either IT120 or IT121 is present, then the other is required.
10 If either IT122 or IT123 is present, then the other is required.
11 If either IT124 or IT125 is present, then the other is required.
Semantic Notes:
1 IT101 is the purchase order line item identification.
Comments:
1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
2 IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:
1. Use multiple iterations of this IT1/370 loop to provide invoice data for a specific line item. Allowances or charges applicable at the Order level are included in the SAC/240 loop.

2. Use this segment in HL/30 UID loops to identify UID data requirements as applicable.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
IT101	**350**	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set ***1. Use to identify the line item in accordance with the format prescribed in the Defense Federal Acquisition Regulation Supplement uniform line item numbering policy.*** ***2. Not applicable to UID loop.***	**O AN 1/20**
IT102	**358**	**Quantity Invoiced** Number of units invoiced (supplier units) ***1. Use to identify the quantity invoiced and shipped.***	**X R 1/10**

			2. This will always be "1" in the UID loop.		
	IT103	**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		
			1. Use to identify the unit of issue for the quantity listed in IT102. ***2. Must be used in the UID loop to reflect the Unit of Measurement associated with the Acquisition Cost.*** ***3. This will always be "each" (Code EA) in the UID loop.***		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	IT104	**212**	**Unit Price**	**X**	**R 1/17**
			Price per unit of product, service, commodity, etc.		
			1. Cite the contract or order unit price. In those cases where the line item was obtained without charge, cite the number "0." ***2. Use in UID loop to indicate the acquisition cost per UID guidance.***		
Not Used	**IT105**	**639**	**Basis of Unit Price Code**	**O**	**ID 2/2**
			Code identifying the type of unit price for an item		
	IT106	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			1. Use only codes that were contained in the contract or order. The description should be kept to a minimum essential to identify the item for shipment and invoice purposes. Any code may be used but the listed codes are preferred in IT106. ***2. Use in UID loop to identify the UII Type in the first Product/Service pair. Use subsequent pairs to identify the Enterprise Identifier, Issuing Agency Code, and original part number, as applicable.*** ***3. A total of 10 unique Product/Service ID and qualifier pairs per CLIN may be identified in the line item loop (HL03=I) for submission to iRAPT. Duplicate Product /Service ID qualifiers will not be permitted per CLIN.*** ***A3 Locally Assigned Number*** ***A8 Exhibit Line Item Number*** ***AK Refined Product Code*** ***B8 Batch Number***		

CG ***Commodity Grouping***

CH ***Country of Origin Code***

CL ***Color***

CN ***Commodity Name***

DS ***Group ID***
Use to identify the type of code used to identify the manufacturer. This is the same code list as used for Issuing Agency Code:
D: CAGE
LD: DoDAAC
LB: ANSI T1.220
UN: DUNS
0-9 (single digits, 10 different codes, EAN.UCC Company Prefix)
LH: European Health Industry Business Communications Council

EF ***Exhibit Identifier***

F7 ***End-Item Description***

F8 ***Next Higher Used Assembly***

FS ***National Stock Number***

FT ***Federal Supply Classification***

IB ***International Standard Book Number (ISBN)***
Use to identify title or unique edition of product by ISBN. The ISBN is a variable length alpha numeric code with maximum of 13 positions.

IN ***Buyer's Item Number***

KA ***Engineering Data List***

KB ***Data Category Code***

KD ***Replacement National Stock Number***

KF ***Item Type Number***
Use to identify the UII type per UID guidance, e.g., VIN, UID1, UID2, etc., when known.

KG ***Time Compliant Technical Order***

KI ***Cognizance Symbol***

KJ ***Material Control Code***

KK ***Special Material Identification Code***

KL ***Item Management Code***

KM ***Shelf-Life Code***

KN ***Shelf-Life Action Code***

LT ***Lot Number***

MA ***Machine Number***
Use to identify the manufacturer of the item associated with the IUID information if different from the Enterprise Identifier. The manufacturer may be identified by CAGE, DODAAC, ANSI T1.220, DUNS, or EAN.UCC. When provided, also identify the type of code used at IT116-IT117.

MF ***Manufacturer***
Use in UID loop to indicate the Enterprise Identifier (EID).

MG ***Manufacturer's Part Number***
Use in UID loop to indicate the original part number.

MN ***Model Number***

N1 ***National Drug Code in 4-4-2 Format***

N2 ***National Drug Code in 5-3-2 Format***

N3 ***National Drug Code in 5-4-1 Format***

N4 ***National Drug Code in 5-4-2 Format***

ND ***National Drug Code (NDC)***

PC ***Prime Contractor Part Number***
Use to identify Current Part Number reported for UII.

PD ***Part Number Description***
Use code PD when the line item cannot be identified by using one of the other listed codes. When used, describe the item in the associated Product/Service ID, DE 234.

PU ***Part Reference Number***

RC ***Returnable Container Number***

SN ***Serial Number***

ST ***Style Number***

SV ***Service Rendered***

SW ***Stock Number***
Use to indicate a local stock number.

SZ ***Vendor Alphanumeric Size Code (NRMA)***

TP ***Product Type Code***

UA ***U.P.C./EAN Case Code (2-5-5)***

UE ***U.P.C./EAN Module Code (2-5-5)***

UK ***U.P.C/EAN Shipping Container Code (1-2-5-5-1)***
Use to identify the UPC associated with the shipping container when the container is purchased on this line item.

UX ***Universal Product Number***

VC ***Vendor's (Seller's) Catalog Number***
Use to identify vendor item catalog number.

VI ***Vary Item Product Number***

VP ***Vendor's (Seller's) Part Number***

XZ ***Contractor Establishment Code***
Use in UID loop to identify the Issuing Agency Code (IAC).

ZB ***Commercial and Government Entity (CAGE) Code***

ZR ***Service Control Identification***
Use on FMS Receiving Reports to identify the applicable Military Articles & Services List (MASL) description. The MASL is a catalog of descriptive codes and text used to identify materiel and services available to be transferred to foreign governments and international organizations.

Refer to 004010 Data Element Dictionary for acceptable code values.

IT107	**234**	**Product/Service ID**	**X**	**AN 1/48**
		Identifying number for a product or service		
IT108	**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 004010 Data Element Dictionary for acceptable code values.		
	IT109	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**
Not Used	**IT110**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	**X**	**ID 2/2**
Not Used	**IT111**	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**
Not Used	**IT112**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	**X**	**ID 2/2**
Not Used	**IT113**	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**
	IT114	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 2/2**
	IT115	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**
	IT116	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 2/2**
	IT117	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**
	IT118	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 2/2**
	IT119	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**
	IT120	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 2/2**
	IT121	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**
	IT122	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 2/2**

IT123	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**
IT124	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 2/2**
IT125	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**

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

Position: 395

Loop: BS5 Optional

Level:

Usage: Optional

Max Use: >1

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:
1 TD405 identifies if a Material Safety Data Sheet (MSDS) exists for this product. A "Y" indicates an MSDS exists for this product; an "N" indicates an MSDS does not exist for this product.

Comments:

Notes: ***For iRAPT, Use to specify transportation special handling requirements, or hazardous materials information or both.***

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
TD401	**152**	**Special Handling Code** Code specifying special transportation handling instructions ***For iRAPT, the following codes are authorized for use in the line item loop, HL03=I. Use as applicable to identify items requiring special handling due to perishable, refrigerated, hazardous or other characteristics.***	**X ID 2/3**
		BKA — Bulky Article	
		BU2 — Bunker Adjustment - 20 Foot Container	
		BU4 — Bunker Adjustment - 40 Foot Container	
		DOC — Documentation - Special ***Carrier creates special shipper documentation.***	
		ED — Excessive Dimensions ***Equipment exceeds operating restrictions but is not considered high/wide in interline movement.***	
		EE — Electronic Equipment Transfer	
		EL — Environmental Control Limits ***The items contained in the shipment are subject to environmental controls whose limits are specified in the contract.***	
		EW — Excessive Weight	
		EX — Explosive Flammable Gas	
		FAS — Firearms	
		FG — Flammable Gas	

FL	Flammable
FR	Fragile - Handle with Care
HM	Endorsed as Hazardous Material
KMD	Keep Material Dry
MOT	Other
	Must use with TD404 to describe the special package marking/special handling requirements when not addressed by available TD401 codes.
MRF	Refrigerated
ONC	Use No Hooks
ONS	Not Restricted Cargo
OPR	Perishable
OTC	Temperature Control
OV	Overweight
RM	Radioactive Material
SCC	Special Containers
	The additional service charge or order for a transportation carrier to use specially constructed containers for oversized or fragile items as part of a household goods shipment.
SH	Shiftable Load
SMP	Small Package
STA	Conductivity/Anti-static Additive

TD402 208 Hazardous Material Code Qualifier X ID 1/1

Code which qualifies the Hazardous Material Class Code (209)

Refer to 004010 Data Element Dictionary for acceptable code values.

TD403 209 Hazardous Material Class Code X AN 1/4

Code specifying the kind of hazard for a material

TD404 352 Description X AN 1/80

A free-form description to clarify the related data elements and their content

Must use to describe the special package marking/special handling requirements when TD401=MOT (Other).

TD405 1073 Yes/No Condition or Response Code O ID 1/1

Code indicating a Yes or No condition or response

Refer to 004010 Data Element Dictionary for acceptable code values.

Segment: **N9** **Reference Identification**
Position: 430
Loop: BS5 Optional
Level:
Usage: Optional
Max Use: 10
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:
1 At least one of N902 or N903 is required.
2 If N906 is present, then N905 is required.
3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 N906 reflects the time zone which the time reflects.
2 N907 contains data relating to the value cited in N902.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**N901**	**128**	**Reference Identification Qualifier**		**M ID 2/3**
			Code qualifying the Reference Identification		
			06	System Number	
			AT	Appropriation Number	
			CA	Cost Allocation Reference	
			DF	Defense Federal Acquisition Regulations (DFAR)	
				Use in the Line Item Loop (HL03=I) to identify the DFARS IUID clause and whether or not there is an exemption to it. If DF is entered in the N901, enter the DFARS clause number"252.211-7003" in the N902. In the N903, indicate if an exemption applies.	
			E9	Attachment Code	
			LT	Lot Number	
				1. Use only for Zero Lot'shipments (IT102 = zero (0) and IT103 = (LO) where contract is administered by MOCAS. Enter ZL in N902 to indicate Zero Lot and enter the actual quantity of the Zero Lot line item in N903. When provided quantity must equal amount associated with MILSTRIP document numbers, IUID data, or Pack data. ***2. Use with HL03=PH to identify a batch or lot number for a product produced at one time under***	

		the same manufacturing conditions. The field length for batch or lot number is limited to 20 characters.
	P4	Project Code
		Use in the HL03 = I loop in conjunction with N902=Project Code.
	QQ	Unit Number
	RQ	Purchase Requisition Number
	ZM	Manufacturer Number
		Use with HL03=PH to identify the text name of the product's manufacturer. For DMLSS, if a batch/lot is provided, the actual Manufacturer must be provided---either by submitting using N1 segment in PH Loop or providing this ZM Code with text name of manufacturer.

N902 127 Reference Identification X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

1. Use to indicate MILSTRIP number when N901 = 'RQ'.
2. Use to indicate Standard Document Number (SDN) when N901 = 'CA'.
3. Use to indicate Accounting Classification Reference Number (ACRN) when N901 = 'AT'

N903 369 Free-form Description X AN 1/45

Free-form descriptive text

1. Use to indicate MILSTRIP quantity when N901 = 'RQ' and N902 = MILSTRIP Number.

2. Use to indicate either EXEMPT' or NON-EXEMPT' when N901=DF and N902=252.211-7003.

N904 373 Date O DT 8/8

Date expressed as CCYYMMDD

N905 337 Time X TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

N906 623 Time Code O ID 2/2

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

			Refer to 004010 Data Element Dictionary for acceptable code values.		
	N907	**C040**	**Reference Identifier**	**O**	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
M	**C04001**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
M	**C04002**	**127**	**Reference Identification**	**M**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
	C04003	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**
			Code qualifying the Reference Identification		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	C04004	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
	C04005	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**
			Code qualifying the Reference Identification		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	C04006	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Segment: **DTM** **Date/Time Reference**
Position: 445
Loop: BS5 Optional
Level:
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time 007 Effective ***Use to identify Current Part Number Effective Date.*** 511 Shelf Life Expiration ***Use with HL03=PH to provide the shelf-life expiration date.***	**M ID 3/3**
	DTM02	**373**	**Date** Date expressed as CCYYMMDD	**X DT 8/8**
	DTM03	**337**	**Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	**X TM 4/8**
	DTM04	**623**	**Time Code** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 2/2**
	DTM05	**1250**	**Date Time Period Format Qualifier** Code indicating the date format, time format, or date and time format Refer to 004010 Data Element Dictionary for acceptable code values.	**X ID 2/3**
	DTM06	**1251**	**Date Time Period** Expression of a date, a time, or range of dates, times or dates and times	**X AN 1/35**

Segment: **PID** **Product/Item Description**

Position: 450

Loop: PID Optional

Level:

Usage: Optional

Max Use: 1

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

Syntax Notes:
1 If PID04 is present, then PID03 is required.
2 At least one of PID04 or PID05 is required.
3 If PID07 is present, then PID03 is required.
4 If PID08 is present, then PID04 is required.
5 If PID09 is present, then PID05 is required.

Semantic Notes:
1 Use PID03 to indicate the organization that publishes the code list being referred to.
2 PID04 should be used for industry-specific product description codes.
3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4 PID09 is used to identify the language being used in PID05.

Comments:
1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "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.

Notes: ***Use this segment for item description when HL03 code is I and for UID description when HL03 code is D.***

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**PID01**	**349**	**Item Description Type** Code indicating the format of a description F Free-form	**M**	**ID 1/1**
	PID02	**750**	**Product/Process Characteristic Code** Code identifying the general class of a product or process characteristic Refer to 004010 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 004010 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**

PID06	**752**	**Surface/Layer/Position Code** Code indicating the product surface, layer or position that is being described Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 2/2**
PID07	**822**	**Source Subqualifier** A reference that indicates the table or text maintained by the Source Qualifier	**O**	**AN 1/15**
PID08	**1073**	**Yes/No Condition or Response Code** Code indicating a Yes or No condition or response Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 1/1**
PID09	**819**	**Language Code** Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	**O**	**ID 2/3**

Segment: **SLN** **Subline Item Detail**

Position: 470

Loop: SLN Optional

Level:

Usage: Optional

Max Use: 1

Purpose: To specify product subline detail item data

Syntax Notes:

1 If either SLN04 or SLN05 is present, then the other is required.
2 If SLN07 is present, then SLN06 is required.
3 If SLN08 is present, then SLN06 is required.
4 If either SLN09 or SLN10 is present, then the other is required.
5 If either SLN11 or SLN12 is present, then the other is required.
6 If either SLN13 or SLN14 is present, then the other is required.
7 If either SLN15 or SLN16 is present, then the other is required.
8 If either SLN17 or SLN18 is present, then the other is required.
9 If either SLN19 or SLN20 is present, then the other is required.
10 If either SLN21 or SLN22 is present, then the other is required.
11 If either SLN23 or SLN24 is present, then the other is required.
12 If either SLN25 or SLN26 is present, then the other is required.
13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes:

1 SLN01 is the identifying number for the subline item.
2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

1 See the Data Element Dictionary for a complete list of IDs.
2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: ***Use in the HL/30 UID loop to identify the UII and associated information as applicable. Repeat the SLN loop as needed to identify each UII per HL/30 UID loop. If the number of items identified by UII exceeds the allowable number of loops, begin a new HL/30 loop, repeating the basic UID information contained in the 1/IT1/370 and 1/PID/450 segments.***

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**SLN01**	**350**	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set ***Use as a counter. Start with the number 1 and increase the number by***	**M AN 1/20**

			1 for each iteration of the segment.		
Not Used	**SLN02**	**350**	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set	**O**	**AN 1/20**
M	**SLN03**	**662**	**Relationship Code** Code indicating the relationship between entities O Information Only ***Use in UID loop to indicate that UID information is provided.***	**M**	**ID 1/1**
Not Used	**SLN04**	**380**	**Quantity** Numeric value of quantity	**X**	**R 1/15**
Not Used	**SLN05**	**C001**	**Composite Unit of Measure** To identify a composite unit of measure (See Figures Appendix for examples of use)	**X**	
Not Used	**C00101**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**M**	**ID 2/2**
Not Used	**C00102**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R 1/15**
Not Used	**C00103**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R 1/10**
Not Used	**C00104**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**O**	**ID 2/2**
Not Used	**C00105**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R 1/15**
Not Used	**C00106**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R 1/10**
Not Used	**C00107**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**O**	**ID 2/2**
Not Used	**C00108**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R 1/15**
Not Used	**C00109**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R 1/10**
Not Used	**C00110**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**O**	**ID 2/2**
Not Used	**C00111**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R 1/15**
Not Used	**C00112**	**649**	**Multiplier**	**O**	**R 1/10**

			Value to be used as a multiplier to obtain a new value		
Not Used	**C00113**	**355**	**Unit or Basis for Measurement Code**	**O**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	**C00114**	**1018**	**Exponent**	**O**	**R 1/15**
			Power to which a unit is raised		
Not Used	**C00115**	**649**	**Multiplier**	**O**	**R 1/10**
			Value to be used as a multiplier to obtain a new value		
Not Used	**SLN06**	**212**	**Unit Price**	**X**	**R 1/17**
			Price per unit of product, service, commodity, etc.		
Not Used	**SLN07**	**639**	**Basis of Unit Price Code**	**O**	**ID 2/2**
			Code identifying the type of unit price for an item		
Not Used	**SLN08**	**662**	**Relationship Code**	**O**	**ID 1/1**
			Code indicating the relationship between entities		
	SLN09	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			Use in UID loop to identify the UII value in the first Product/Service pair. If the UII exceeds 48 characters, carry over the additional characters to the next Product/Service pair using SLN11 code CT. Use subsequent pairs to identify the associated serial number and batch/lot, or production run number, as applicable.		
			B8 — Batch Number		
			Use to identify the batch/lot/production number when this number is included in the UII for uniqueness.		
			CT — Continuation (ID Number Spans Multiple Product ID Data Elements)		
			Use with SLN09 code VU to provide a continuation of the UII value.		
			SN — Serial Number		
			Use to identify the item serial number.		
			VU — Vendor's Basic Unit Number		
			Use to identify the UII value.		
	SLN10	**234**	**Product/Service ID**	**X**	**AN 1/48**
			Identifying number for a product or service		
	SLN11	**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 SLN09 note regarding UII value exceeding 48 characters. Use code 'CT' to provide continuation of the UII value.		
			Refer to 004010 Data Element Dictionary for acceptable code values.		

	SLN12	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**
	SLN13	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 2/2**
	SLN14	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**
	SLN15	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 2/2**
	SLN16	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**
	SLN17	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 2/2**
	SLN18	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**
	SLN19	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 2/2**
	SLN20	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**
Not Used	**SLN21**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	**X**	**ID 2/2**
Not Used	**SLN22**	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**
Not Used	**SLN23**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	**X**	**ID 2/2**
Not Used	**SLN24**	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**
Not Used	**SLN25**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	**X**	**ID 2/2**
Not Used	**SLN26**	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**

Not Used	**SLN27**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	**X**	**ID 2/2**
Not Used	**SLN28**	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**

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

Position: 490

Loop: SAC Optional

Level:

Usage: Optional

Max Use: 1

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

Syntax Notes:

1 At least one of SAC02 or SAC03 is required.

2 If either SAC03 or SAC04 is present, then the other is required.

3 If either SAC06 or SAC07 is present, then the other is required.

4 If either SAC09 or SAC10 is present, then the other is required.

5 If SAC11 is present, then SAC10 is required.

6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.

7 If SAC14 is present, then SAC13 is required.

8 If SAC16 is present, then SAC15 is required.

Semantic Notes:

1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.

2 SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.

3 SAC08 is the allowance or charge rate per unit.

4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.

5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.

6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.

7 SAC16 is used to identify the language being used in SAC15.

Comments:

1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.

2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**SAC01**	**248**	**Allowance or Charge Indicator** 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**	**Service, Promotion, Allowance, or Charge Code**	**X**	**ID 4/4**
			Code identifying the service, promotion, allowance, or charge		
			B020 Certificate of Conformance		
			B050 Certification		
			B560 Container Allowance		
			B570 Container Deposits		
			B660 Contract Allowance		
			B950 Damaged Merchandise		
			C040 Delivery		
			C310 Discount		
			D340 Goods and Services Charge		
			D350 Goods and Services Credit Allowance		
			D900 Installation		
			D980 Insurance		
			F050 Other (See related description)		
			F110 Overrun Charge		
			F155 Packaging		
			F460 Postage		
			F650 Preparation		
			F680 Price Deviation		
			F690 Prior Balance		
			F810 Promotional Discount		
			F910 Quantity Discount		
			F920 Quantity Surcharge		
			I170 Trade Discount		
			I180 Trade In		
			I260 Transportation Direct Billing		
			Use to indicate a transportation charge when not applicable to a specific line item.		
Not Used	**SAC03**	**559**	**Agency Qualifier Code**	**X**	**ID 2/2**
			Code identifying the agency assigning the code values		
Not Used	**SAC04**	**1301**	**Agency Service, Promotion, Allowance, or Charge Code**	**X**	**AN 1/10**
			Agency maintained code identifying the service, promotion, allowance, or charge		
	SAC05	**610**	**Amount**	**O**	**N2 1/15**
			Monetary amount		
			Use to identify the amount of the charge.		
Not Used	**SAC06**	**378**	**Allowance/Charge Percent Qualifier**	**X**	**ID 1/1**
			Code indicating on what basis allowance or charge percent is calculated		
Not Used	**SAC07**	**332**	**Percent**	**X**	**R 1/6**

			Percent expressed as a percent		
Not Used	**SAC08**	**118**	**Rate** Rate expressed in the standard monetary denomination for the currency specified	**O**	**R 1/9**
Not Used	**SAC09**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**X**	**ID 2/2**
Not Used	**SAC10**	**380**	**Quantity** Numeric value of quantity	**X**	**R 1/15**
Not Used	**SAC11**	**380**	**Quantity** Numeric value of quantity	**O**	**R 1/15**
Not Used	**SAC12**	**331**	**Allowance or Charge Method of Handling Code** Code indicating method of handling for an allowance or charge	**O**	**ID 2/2**
Not Used	**SAC13**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**AN 1/30**
Not Used	**SAC14**	**770**	**Option Number** A unique number identifying available promotion or allowance options when more than one is offered	**O**	**AN 1/20**
	SAC15	**352**	**Description** A free-form description to clarify the related data elements and their content	**X**	**AN 1/80**
Not Used	**SAC16**	**819**	**Language Code** Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	**O**	**ID 2/3**

Segment: **LM** **Code Source Information**
Position: 505
Loop: LM Optional
Level:
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
M	**LM01**	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values DF Department of Defense (DoD)	**M ID 2/2**
	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: 506
Loop: LM Optional
Level:
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

Ref. Des.	Data Element	Name	Attributes
LQ01	**1270**	**Code List Qualifier Code** Code identifying a specific industry code list 6 Special Contract Provision Code 14 Contract Shipment Advice Code	**O ID 1/3**
LQ02	**1271**	**Industry Code** Code indicating a code from a specific industry code list ***Use only the following codes: E, D, S, A, B, C, D, E, F, G, H, Z.***	**X AN 1/30**

Segment: **FA1** **Type of Financial Accounting Data**
Position: 507
Loop: FA1 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To specify the organization controlling the content of the accounting citation, and the purpose associated with the accounting citation
Syntax Notes:
Semantic Notes:
1 FA101 Identifies the organization controlling the assignment of financial accounting information.
2 FA102 Identifies the purpose of the accounting allowance or charge information.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**FA101**	**559**	**Agency Qualifier Code**	**M ID 2/2**
			Code identifying the agency assigning the code values	
			This data element is required for X12 syntax. Select the code that corresponds to the organization that is responsible for the assignment of the DoDAAC used to construct the controlling document number for the transaction.	
			DF Department of Defense (DoD)	
			Use to indicate that the Component is a Department of Defense agency, including Defense Logistics Agency. Refer to ADC 1043.	
			DN Department of the Navy	
			Includes the United States Marine Corps.	
			DX United States Marine Corps	
			DY Department of Air Force	
			DZ Department of Army	
			FG Federal Government	
	FA102	**1300**	**Service, Promotion, Allowance, or Charge Code**	**O ID 4/4**
			Code identifying the service, promotion, allowance, or charge	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	FA103	**248**	**Allowance or Charge Indicator**	**O ID 1/1**
			Code which indicates an allowance or charge for the service specified	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **FA2** **Accounting Data**
Position: 508
Loop: FA1 Optional
Level:
Usage: Mandatory
Max Use: >1
Purpose: To specify the detailed accounting data
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**FA201**	**1196**	**Breakdown Structure Detail Code**	**M ID 2/2**
			Codes identifying details relating to a reporting breakdown structure tree	
			18 Funds Appropriation	
			Use this code in conjunction with codes L1 and ZZ when the individual components of the LOA cannot be generated by the application. When used, provide the basic appropriation number (department code through appropriation limit). Example: 1717979818100400	
			A1 Department Indicator	
			Use to indicate the two-position department code	
			A2 Transfer from Department	
			Use to indicate the two-position transfer from department	
			A3 Fiscal Year Indicator	
			Use to indicate the eight position fiscal year. The first four positions represent the first year the funds are available and the last four positions represent the last year the funds are available. Example: Year one 1999, year two 2000 would be cited as 19992000."	
			A4 Basic Symbol Number	
			Use to indicate the four-position code assigned by the Treasury that indicates the type of funds for appropriation.	
			A5 Sub-class	
			Use to indicate the four position numeric suffix that identifies the subdivision of funds that restricts the amount or use of funds.	

A6	Sub-Account Symbol
	Use to indicate the two position Fund Code or Material Category Code.
B1	Budget Activity Number
	Use to indicate the two position Operation Agency Code that indicates the issuing organization.
B2	Budget Sub-activity Number
	Use to indicate the Allotment Serial Number that indicates the distribution of funds.
B3	Budget Program Activity
	Use to indicate the six-position activity address code of the card holder.
B4	Program Year Indicator
	Use to indicate the one position Program Year.
C1	Program Element
	Use to indicate the program element code.
C2	Project Task or Budget Subline
D1	Defense Agency Allocation Recipient
D4	Component Sub-allocation Recipient
	Use to indicate the Job Order/Work Center Order Number for assigning cost to a specific project.
D6	Sub-allotment Recipient
	Use to indicate the one position Sub-allotment Recipient.
D7	Work Center Recipient
	Use to indicate the six position Work Center Recipient.
E1	Major Reimbursement Source Code
E2	Detail Reimbursement Source Code
E3	Customer Indicator
	Use to indicate the six-position customer identifier who has requested the goods or services.
F1	Object Class
	Use to indicate the Object Class, Element of Resource or the Element of Expense.
F3	Government or Public Sector Identifier
	Use to indicate the government or public source providing the goods or services.
F4	Country Code
G1	Program or Planning Code
G2	Special Interest Code or Special Program Cost Code

H1	Cost Code
	Use to indicate the Cost Code.
H3	Cost Allocation Code
H4	Classification Code
I1	Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC)
	Use to indicate the shorthand elements of the accounting classification.
J1	Document or Record Reference Number
	Use to indicate the Standard Document Number.
K6	Accounting Classification Reference Code
L1	Accounting Installation Number
	1. Use to indicate the Accountable Station Number. The Accountable Station Code is the Fiscal Station Number (FSN) of both the Army and the Office of the Secretary of Defense (OSD), the Authorization Accounting Activity (AAA) of the Navy, or the Accounting and Disbursing Station Number (ADSN) used by the Air Force. The Accountable Station Codes (TAC3) are published in the DoD 7000.14-R (Financial Management Regulation). Civilian Agencies will cite their equivalent organization code. ***2. This code is used whether or not the application can generate the individual components of the LOA. If the application cannot generate the individual components of the LOA, use this code in conjunction with codes 18 and ZZ.***
M1	Local Installation Data
	Use to indicate the Installation Facilities System number.
N1	Transaction Type
	Use to indicate the transaction type code.
P5	Foreign Military Sales (FMS) Line Item Number
	Use to indicate the FMS Case Number, Country Code and FMS line number.
P6	Contract Payment Notice (CPN) Recipient Indicator
	Use to indicate the 8 position CPN Recipient/Organization Code.
ZZ	Mutually Defined
	Use this code in conjunction with codes 18 and L1 when the individual components of the LOA

			cannot be generated by the application. When used, provide the balance of the financial accounting data which should include the Accountable Station Number identified by the use of code L1 in another iteration of this segment.		
M	**FA202**	**1195**	**Financial Information Code** Code representing financial accounting information	**M**	**AN 1/80**

Segment: **SE** **Transaction Set Trailer**
Position: 510
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:
Semantic Notes:
Comments: **1** SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**SE01**	**96**	**Number of Included Segments** Total number of segments included in a transaction set including ST and SE segments	**M N0 1/10**
M	**SE02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set ***Cite the same number that is contained in ST02.***	**M AN 4/9**