846 Inventory Inquiry/Advice

Functional Group ID=IB

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Inventory Inquiry/Advice Transaction Set (846) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used in the following ways: (1) for a seller of goods and services to provide inventory information to a prospective purchaser, with no obligation to the purchaser to acquire these goods or services; (2) for a representative of a seller of goods and services to supply inventory information to that seller; (3) for one location to supply another location with inventory information; and (4) for an inquiry as to the availability of inventory with no obligation on the seller of goods and services to reserve that inventory.

Notes:

1. Distribution depots and storage activities use this transaction set to transmit location reconciliation transactions to owners and managers.

2. Use one occurrence of this transaction set to transmit a single or multiple transactions.

3. DoD logistics users should refer to the Defense Logistics Management System (DLMS) Supplement to the Federal Implementation Convention (IC) available at URL: http://www.dla.mil/j-6/dlmso. The DLMS Supplement provides specific business rules, conditions, and authorized codes necessary for appropriate use of this IC within the DLMS.

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
4	010	ST	Transaction Set Header	M	1		
5	020	BIA	Beginning Segment for Inventory Inquiry/Advice	M	1		
Not Used	040	CUR	Currency	O	1		
Not Used	050	DTM	Date/Time Reference	O	10		
Not Used	060	REF	Reference Identification	O	12		
Not Used	070	PER	Administrative Communications Contact	O	3		
Not Used	075	MEA	Measurements	O	20		
			LOOP ID - N1			5	
7	080	N1	Name	O	1		
Not Used	090	N2	Additional Name Information	O	2		
Not Used	100	N3	Address Information	O	2		
Not Used	110	N4	Geographic Location	O	1		
Not Used	120	REF	Reference Identification	O	12		
Not Used	130	PER	Administrative Communications Contact	O	3		

				Req.		Loop	Notes and
				Des.	Max.Use	Repeat	Comments
			LOOP ID - LM			10	
9	140	LM	Code Source Information	O	1		
10	150	LQ	Industry Code	M	100		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - LIN			10000	
11	010	LIN	Item Identification	M	1		
Not Used	030	PID	Product/Item Description	O	200		
Not Used	040	MEA	Measurements	O	40		
Not Used	050	PKG	Marking, Packaging, Loading	O	25		
14	100	DTM	Date/Time Reference	O	10		
Not Used	110	CTP	Pricing Information	O	25		
Not Used	120	CUR	Currency	O	1		
Not Used	130	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
16	140	REF	Reference Identification	O	>1		
Not Used	150	PER	Administrative Communications Contact	O	3		
Not Used	220	SDQ	Destination Quantity	O	500		
Not Used	230	MAN	Marks and Numbers	O	1		
Not Used	235	UIT	Unit Detail	O	5		
Not Used	240	CS	Contract Summary	O	1		
Not Used	250	DD	Demand Detail	O	>1		
Not Used	255	G53	Maintenance Type	O	1		
Not Used	256	PCT	Percent Amounts	O	>1		
Not Used	257	LDT	Lead Time	O	12		
			LOOP ID - LM			10	
18	260	LM	Code Source Information	O	1		
19	270	LQ	Industry Code	M	100		
			LOOP ID - SLN			1000	
Not Used	280	SLN	Subline Item Detail	O	1		
Not Used	290	PID	Product/Item Description	O	200		
Not Used	300	MEA	Measurements	O	40		
Not Used	310	PKG	Marking, Packaging, Loading	O	25		
			LOOP ID - MAN			100	
Not Used	312	MAN	Marks and Numbers	O	1		
Not Used	314	MEA	Measurements	O	40		
			LOOP ID - QTY			99	
20	320	QTY	Quantity	O	1		
Not Used	330	UIT	Unit Detail	O	12		
Not Used	340	MEA	Measurements	O	25		
Not Used	350	LDT	Lead Time	O	12		
Not Used	355	DTM	Date/Time Reference	O	10		
			LOOP ID - SCH			25	
Not Used	360	SCH	Line Item Schedule	O	1		

Not Used	370	MEA	Measurements	O	25		
			LOOP ID - LM			>1	
22	375	LM	Code Source Information	O	1		
23	376	LQ	Industry Code	M	100		
24	380	LS	Loop Header	O	1		
			LOOP ID - REF			>1	
25	390	REF	Reference Identification	O	1		n1
27	400	DTM	Date/Time Reference	O	>1		
28	410	N1	Name	O	1		
			LOOP ID - LM			10	
Not Used	420	LM	Code Source Information	O	1		
Not Used	430	LQ	Industry Code	M	100		
29	440	LE	Loop Trailer	O	1		
			LOOP ID - N1			200	
Not Used	450	N1	Name	O	1		
Not Used	460	N2	Additional Name Information	O	2		
Not Used	470	N3	Address Information	O	2		
Not Used	480	N4	Geographic Location	O	1		
Not Used	490	REF	Reference Identification	O	12		
Not Used	500	PER	Administrative Communications Contact	O	3		

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Not Used	010	CTT	Transaction Totals	O	1		n2
30	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The REF loop conveys serial number, lot number, and inventory data.

2. Number of line items (CTT01) is the accumulation of number of LIN segments. If used, hash total (CTT02) is the sum of the values of the quantities (QTY02) of each QTY segment.

Segment:	**ST** **Transaction Set Header**	
Position:	010	
Loop:		
Level:	Heading	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To indicate the start of a transaction set and to assign a control number	
Syntax Notes:		
Semantic Notes:	1	The transaction set identifier (ST01) 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**	**M ID 3/3**
			Code uniquely identifying a Transaction Set	
			846 Inventory Inquiry/Advice	
M	**ST02**	**329**	**Transaction Set Control Number**	**M AN 4/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			A unique number assigned by the originator of the transaction set, or the originator's application program.	

Segment:	**BIA** Beginning Segment for Inventory Inquiry/Advice	
Position:	020	
Loop:		
Level:	Heading	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To indicate the beginning of an Inventory Inquiry/Advice Transaction Set	
Syntax Notes:		
Semantic Notes:	**1**	BIA03 identifies the number of the inquiry/advice that is transferred.
	2	BIA04 identifies the date of the inquiry/advice that is transferred.
	3	BIA05 identifies the time of the inquiry/advice that is transferred.
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	BIA01	353	**Transaction Set Purpose Code**	M ID 2/2

Code identifying purpose of transaction set

00	Original
77	Simulation Exercise

M	BIA02	755	**Report Type Code**	M ID 2/2

Code indicating the title or contents of a document, report or supporting item

LC	Location Inventory Report
X4	Summary Report
ZZ	Mutually Defined

M	BIA03	127	**Reference Identification**	M AN 1/30

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

Use Code "Z" for this data element to satisfy mandatory X12 syntax requirements.

M	BIA04	373	**Date**	M DT 8/8

Date expressed as CCYYMMDD

This date is the date of the transaction set preparation and corresponds to the Universal Time Coordinate UTC).

	BIA05	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)

1. Express the originating activity's time of transaction set preparation in UTC.

> *2. Express time in a four-position (HHMM) format.*

| **BIA06** | **306** | **Action Code** | **O** | **ID 1/2** |

Code indicating type of action

> *Use any code.*

Refer to 004010 Data Element Dictionary for acceptable code values.

Segment:		**N1** Name		
Position:		080		
Loop:		N1 Optional		
Level:		Heading		
Usage:		Optional		
Max Use:		1		
Purpose:		To identify a party by type of organization, name, and code		
Syntax Notes:		1 At least one of N102 or N103 is required.		
		2 If either N103 or N104 is present, then the other is required.		
Semantic Notes:				
Comments:		1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.		
		2 N105 and N106 further define the type of entity in N101.		

Data Element Summary

	Ref. 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	
			Use any code.	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N102	93	**Name**	X AN 1/60
			Free-form name	
	N103	66	**Identification Code Qualifier**	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			1 D-U-N-S Number, Dun & Bradstreet	
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
			10 Department of Defense Activity Address Code (DODAAC)	
			M4 Department of Defense Routing Identifier Code (RIC)	
			An integral and predetermined participant in an established logistical system performing general logistic control, distribution, and storage functions	
	N104	67	**Identification Code**	X AN 2/80
			Code identifying a party or other code	
Not Used	N105	706	**Entity Relationship Code**	O ID 2/2
			Code describing entity relationship	
	N106	98	**Entity Identifier Code**	O ID 2/3
			Code identifying an organizational entity, a physical location, property or	

an individual

FR   Message From

Must use with 1/N101/080 code SB to indicate the organization cited in N104 is originating the transaction set.

TO   Message To

Must use with the 1/N101/080 codes KA or OW to indicate the organization cited in 1/N104/080 is receiving the transaction set.

	Segment:	**LM** Code Source Information
	Position:	140
	Loop:	LM Optional
	Level:	Heading
	Usage:	Optional
	Max Use:	1
	Purpose:	To transmit standard code list identification information
	Syntax Notes:	
	Semantic Notes:	
	Comments:	**1** LM02 identifies the applicable industry code list source information.
	Notes:	*Must use this 1/LM/140 loop to identify coded information maintained in department or agency documentation.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LM01**	**559**	**Agency Qualifier Code**	**M ID 2/2**
			Code identifying the agency assigning the code values	
			DF Department of Defense (DoD)	
Not Used	**LM02**	**822**	**Source Subqualifier**	**O AN 1/15**
			A reference that indicates the table or text maintained by the Source Qualifier	

Segment:	**LQ** Industry Code	
Position:	150	
Loop:	LM	Optional
Level:	Heading	
Usage:	Mandatory	
Max Use:	100	
Purpose:	Code to transmit standard industry codes	
Syntax Notes:	1 If LQ01 is present, then LQ02 is required.	
Semantic Notes:		
Comments:		
Notes:	*Use to identify codes, as appropriate, consistent with management information requirements.*	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
LQ01	1270	**Code List Qualifier Code**	O ID 1/3
		Code identifying a specific industry code list	
		Use any code.	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
LQ02	1271	**Industry Code**	X AN 1/30
		Code indicating a code from a specific industry code list	

Segment:	**LIN** Item Identification			
Position:	010			
Loop:	LIN	Mandatory		
Level:	Detail			
Usage:	Mandatory			
Max Use:	1			
Purpose:	To specify basic item identification data			

Syntax Notes:
1. If either LIN04 or LIN05 is present, then the other is required.
2. If either LIN06 or LIN07 is present, then the other is required.
3. If either LIN08 or LIN09 is present, then the other is required.
4. If either LIN10 or LIN11 is present, then the other is required.
5. If either LIN12 or LIN13 is present, then the other is required.
6. If either LIN14 or LIN15 is present, then the other is required.
7. If either LIN16 or LIN17 is present, then the other is required.
8. If either LIN18 or LIN19 is present, then the other is required.
9. If either LIN20 or LIN21 is present, then the other is required.
10. If either LIN22 or LIN23 is present, then the other is required.
11. If either LIN24 or LIN25 is present, then the other is required.
12. If either LIN26 or LIN27 is present, then the other is required.
13. If either LIN28 or LIN29 is present, then the other is required.
14. If either LIN30 or LIN31 is present, then the other is required.

Semantic Notes:
1. LIN01 is the line item identification

Comments:
1. See the Data Dictionary for a complete list of IDs.
2. LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: *Must use the 2/LIN/010 loop to identify the material, transaction number, and inventory information associated with the transaction.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
	LIN01	350	**Assigned Identification**	**O AN 1/20**

Alphanumeric characters assigned for differentiation within a transaction set

Use to identify the count of location reconciliation transactions. In the first 2/LIN/010 loop iteration cite the numeric 1. In each subsequent loop iteration increase incrementally by one.

	Ref. Des.	Data Element	Name	Attributes
M	**LIN02**	235	**Product/Service ID Qualifier**	**M ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Use any code.

Refer to 004010 Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name	Attributes
M	**LIN03**	234	**Product/Service ID**	**M AN 1/48**

Identifying number for a product or service

	LIN04	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			ZB Commercial and Government Entity (CAGE) Code		
			A code that identifies a commercial contractor authorized to do business with the U.S. government		
	LIN05	**234**	**Product/Service ID**	**X**	**AN 1/48**
			Identifying number for a product or service		
Not Used	**LIN06**	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	**LIN07**	**234**	**Product/Service ID**	**X**	**AN 1/48**
			Identifying number for a product or service		
Not Used	**LIN08**	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	**LIN09**	**234**	**Product/Service ID**	**X**	**AN 1/48**
			Identifying number for a product or service		
Not Used	**LIN10**	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	**LIN11**	**234**	**Product/Service ID**	**X**	**AN 1/48**
			Identifying number for a product or service		
Not Used	**LIN12**	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	**LIN13**	**234**	**Product/Service ID**	**X**	**AN 1/48**
			Identifying number for a product or service		
Not Used	**LIN14**	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	**LIN15**	**234**	**Product/Service ID**	**X**	**AN 1/48**
			Identifying number for a product or service		
Not Used	**LIN16**	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	**LIN17**	**234**	**Product/Service ID**	**X**	**AN 1/48**
			Identifying number for a product or service		
Not Used	**LIN18**	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	**LIN19**	**234**	**Product/Service ID**	**X**	**AN 1/48**

Identifying number for a product or service

Not Used	LIN20	235	**Product/Service ID Qualifier**	X	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	LIN21	234	**Product/Service ID**	X	AN 1/48

Identifying number for a product or service

Not Used	LIN22	235	**Product/Service ID Qualifier**	X	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	LIN23	234	**Product/Service ID**	X	AN 1/48

Identifying number for a product or service

Not Used	LIN24	235	**Product/Service ID Qualifier**	X	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	LIN25	234	**Product/Service ID**	X	AN 1/48

Identifying number for a product or service

Not Used	LIN26	235	**Product/Service ID Qualifier**	X	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	LIN27	234	**Product/Service ID**	X	AN 1/48

Identifying number for a product or service

Not Used	LIN28	235	**Product/Service ID Qualifier**	X	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	LIN29	234	**Product/Service ID**	X	AN 1/48

Identifying number for a product or service

Not Used	LIN30	235	**Product/Service ID Qualifier**	X	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Not Used	LIN31	234	**Product/Service ID**	X	AN 1/48

Identifying number for a product or service

Segment:	**DTM** Date/Time Reference			
Position:	100			
Loop:	LIN	Mandatory		
Level:	Detail			
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:	*Must use 2/DTM/100 to identify dates associated with the transaction.*			

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	
			036 Expiration	
			Date coverage expires	
			152 Effective Date of Change	
			Date on which the change went into effect	
			171 Revision	
			510 Date Packed	
			600 As Of	
	DTM02	373	**Date**	X DT 8/8
			Date expressed as CCYYMMDD	
Not Used	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)	
Not Used	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	
Not Used	DTM05	1250	**Date Time Period Format Qualifier**	X ID 2/3
			Code indicating the date format, time format, or date and time format	
Not Used	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:	**REF** Reference Identification			
Position:	140			
Loop:	LIN Mandatory			
Level:	Detail			
Usage:	Optional			
Max Use:	>1			
Purpose:	To specify identifying information			
Syntax Notes:	1	At least one of REF02 or REF03 is required.		
	2	If either C04003 or C04004 is present, then the other is required.		
	3	If either C04005 or C04006 is present, then the other is required.		
Semantic Notes:	1	REF04 contains data relating to the value cited in REF02.		
Comments:				

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	REF01	128	**Reference Identification Qualifier**	M ID 2/3
			Code qualifying the Reference Identification	
			Use any code.	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	REF02	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	REF03	352	**Description**	X AN 1/80
			A free-form description to clarify the related data elements and their content	
Not Used	REF04	C040	**Reference Identifier**	O
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	
Not Used	C04001	128	**Reference Identification Qualifier**	M ID 2/3
			Code qualifying the Reference Identification	
Not Used	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**	X AN 1/30

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

Segment: **LM** Code Source Information
Position: 260
Loop: LM   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit standard code list identification information
Syntax Notes:
Semantic Notes:
Comments: 1   LM02 identifies the applicable industry code list source information.
Notes: *Use this 2/LM/260 loop to identify coded information maintained in department or agency documentation.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	LM01	559	**Agency Qualifier Code**	**M ID 2/2**
			Code identifying the agency assigning the code values	
			DF Department of Defense (DoD)	
Not Used	LM02	822	**Source Subqualifier**	**O AN 1/15**
			A reference that indicates the table or text maintained by the Source Qualifier	

Segment:	**LQ** Industry Code
Position:	270
Loop:	LM Optional
Level:	Detail
Usage:	Mandatory
Max Use:	100
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**	O ID 1/3
		Code identifying a specific industry code list	
		Use any code.	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
LQ02	1271	**Industry Code**	X AN 1/30
		Code indicating a code from a specific industry code list	

Segment:	**QTY** Quantity		
Position:	320		
Loop:	QTY Optional		
Level:	Detail		
Usage:	Optional		
Max Use:	1		
Purpose:	To specify quantity information		
Syntax Notes:	1 At least one of QTY02 or QTY04 is required.		
	2 Only one of QTY02 or QTY04 may be present.		
Semantic Notes:	1 QTY04 is used when the quantity is non-numeric.		
Comments:			
Notes:	*Use multiple iterations of the 2/QTY/320 loop to stratify the on hand quantity by material classification.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	QTY01	673	**Quantity Qualifier**	M ID 2/2
			Code specifying the type of quantity	
			17 Quantity on Hand	
			46 Total transactions	
	QTY02	380	**Quantity**	X R 1/15
			Numeric value of quantity	
			Express as a whole number with no decimals.	
	QTY03	C001	**Composite Unit of Measure**	O
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
M	C00101	355	**Unit or Basis for Measurement Code**	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C00102	1018	**Exponent**	O R 1/15
			Power to which a unit is raised	
Not Used	C00103	649	**Multiplier**	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00104	355	**Unit or Basis for Measurement Code**	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00105	1018	**Exponent**	O R 1/15
			Power to which a unit is raised	
Not Used	C00106	649	**Multiplier**	O R 1/10
			Value to be used as a multiplier to obtain a new value	

Not Used	C00107	355	**Unit or Basis for Measurement Code**	O	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Not Used	C00108	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

Not Used	C00109	649	**Multiplier**	O	R 1/10

Value to be used as a multiplier to obtain a new value

Not Used	C00110	355	**Unit or Basis for Measurement Code**	O	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Not Used	C00111	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

Not Used	C00112	649	**Multiplier**	O	R 1/10

Value to be used as a multiplier to obtain a new value

Not Used	C00113	355	**Unit or Basis for Measurement Code**	O	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Not Used	C00114	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

Not Used	C00115	649	**Multiplier**	O	R 1/10

Value to be used as a multiplier to obtain a new value

Not Used	QTY04	61	**Free-Form Message**	X	AN 1/30

Free-form information

Segment: **LM** Code Source Information
Position: 375
Loop: LM   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit standard code list identification information
Syntax Notes:
Semantic Notes:
Comments: **1**   LM02 identifies the applicable industry code list source information.
Notes: *Use this 2/LM/375 loop to identify coded information maintained in department or agency documentation.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	LM01	559	**Agency Qualifier Code**	M ID 2/2

Code identifying the agency assigning the code values

    DF   Department of Defense (DoD)

	Ref. Des.	Data Element	Name	Attributes
Not Used	LM02	822	**Source Subqualifier**	O AN 1/15

A reference that indicates the table or text maintained by the Source Qualifier

Segment:	**LQ** Industry Code	
Position:	376	
Loop:	LM	Optional
Level:	Detail	
Usage:	Mandatory	
Max Use:	100	
Purpose:	Code to transmit standard industry codes	
Syntax Notes:	1	If LQ01 is present, then LQ02 is required.
Semantic Notes:		
Comments:		
Notes:	*Use to identify codes, as appropriate, consistent with management information requirements.*	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
LQ01	1270	**Code List Qualifier Code**	O ID 1/3
		Code identifying a specific industry code list	
		Use any code.	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
LQ02	1271	**Industry Code**	X AN 1/30
		Code indicating a code from a specific industry code list	

	Segment:	**LS** Loop Header
	Position:	380
	Loop:	QTY Optional
	Level:	Detail
	Usage:	Optional
	Max Use:	1
	Purpose:	To indicate that the next segment begins a loop
	Syntax Notes:	
	Semantic Notes:	1 One loop may be nested contained within another loop, provided the inner nested loop terminates before the outer loop. When specified by the standard setting body as mandatory, this segment in combination with "LE", must be used. It is not to be used if not specifically set forth for use. The loop identifier in the loop header and trailer must be identical. The value for the identifier is the loop ID of the required loop segment. The loop ID number is given on the transaction set diagram in the appropriate ASC X12 version/release.
	Comments:	1 See Figures Appendix for an explanation of the use of the LS and LE segments.
	Notes:	*Use as needed in each 2/QTY/320 loop to prevent a syntax error in the use of the 2/REF/390 loop.*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
M LS01	447	**Loop Identifier Code**	M AN 1/6
		The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE	
		Cite REF to indicate the 2/REF/390 loop.	

Segment:		**REF** Reference Identification		
Position:		390		
Loop:		REF	Optional	
Level:		Detail		
Usage:		Optional		
Max Use:		1		
Purpose:		To specify identifying information		
Syntax Notes:		1	At least one of REF02 or REF03 is required.	
		2	If either C04003 or C04004 is present, then the other is required.	
		3	If either C04005 or C04006 is present, then the other is required.	
Semantic Notes:		1	REF04 contains data relating to the value cited in REF02.	
Comments:				
Notes:		*Use the 2/REF/390 segment when needed to provide Unique Identification (UID) information.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	REF01	128	**Reference Identification Qualifier**	**M ID 2/3**
			Code qualifying the Reference Identification	
			Use any code.	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	REF02	127	**Reference Identification**	**X AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	REF03	352	**Description**	**X AN 1/80**
			A free-form description to clarify the related data elements and their content	
	REF04	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	
			Use any code.	
			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	
			Use any code.	
			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

Not Used   **C04005**   **128**   **Reference Identification Qualifier**   **X   ID 2/3**

Code qualifying the Reference Identification

Not Used   **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:		400		
Loop:		REF	Optional	
Level:		Detail		
Usage:		Optional		
Max Use:		>1		
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**	M	ID 3/3
			Code specifying type of date or time, or both date and time		
			Use any code.		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	DTM02	373	**Date**	X	DT 8/8
			Date expressed as CCYYMMDD		
Not Used	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)		
Not Used	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		
Not Used	DTM05	1250	**Date Time Period Format Qualifier**	X	ID 2/3
			Code indicating the date format, time format, or date and time format		
Not Used	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:		**N1** Name		
Position:		410		
Loop:		REF	Optional	
Level:		Detail		
Usage:		Optional		
Max Use:		1		
Purpose:		To identify a party by type of organization, name, and code		
Syntax Notes:		1	At least one of N102 or N103 is required.	
		2	If either N103 or N104 is present, then the other is required.	
Semantic Notes:				
Comments:		1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.	
		2	N105 and N106 further define the type of entity in N101.	

Data Element Summary

	Ref. 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	
			Use any code.	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N102	93	**Name**	**X AN 1/60**
			Free-form name	
	N103	66	**Identification Code Qualifier**	**X ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)	
			Use any code.	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	N104	67	**Identification Code**	**X AN 2/80**
			Code identifying a party or other code	
Not Used	N105	706	**Entity Relationship Code**	**O ID 2/2**
			Code describing entity relationship	
Not Used	N106	98	**Entity Identifier Code**	**O ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual	

Segment:	**LE** Loop Trailer	
Position:	440	
Loop:	QTY	Optional
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To indicate that the loop immediately preceding this segment is complete	
Syntax Notes:		
Semantic Notes:	1	One loop may be nested contained within another loop, provided the inner nested loop terminates before the other loop. When specified by the standards setting body as mandatory, this segment in combination with "LS", must be used. It is not to be used if not specifically set forth for use. The loop identifier in the loop header and trailer must be identical. The value for the identifier is the loop ID of the required loop beginning segment. The loop ID number is given on the transaction set diagram in the appropriate ASC X12 version/release.
Comments:	1	See Figures Appendix for an explanation of the use of the LE and LS segments.
Notes:		*Use in each 2/QTY/320 loop to terminate any 2/REF/390 loop iterations.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	LE01	447	**Loop Identifier Code**	M AN 1/6

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

Repeat the content of 2/LS/380.

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

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**SE01**	**96**	**Number of Included Segments**	**M N0 1/10**
			Total number of segments included in a transaction set including ST and SE segments	
M	**SE02**	**329**	**Transaction Set Control Number**	**M AN 4/9**
			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 as the one cited in ST02.	