856 Ship Notice/Manifest

Functional Group=SH

DSCR Subset - X.12 Version 3050-856   **Author: Leroy Buard, Defense Supply Center Richmond**
VERSION: Based on Federal IC DRAFT   **Publication Date: 2/17/2003 Version 1.1**

This "Draft Standard" for "Trial Use" contains the format and establishes the data contents of the Ship Notice/Manifest Transaction Set (856) for use within the context of an Electronic Data Interchange (EDI) and DSCR EDI procurement environment. The transaction set is used to communicate and verify the contents of a shipment of goods as well as tracking information relating to the shipment, such as Federal Express (FedEx), United Parcel Service, etc., product description, type of packaging, marking, carrier information, and configuration of goods within the transportation equipment. The transaction set enables the sender to describe the contents and configuration of a shipment in various levels of detail and provides an ordered flexibility to convey information. The sender of this transaction set is the organization responsible for detailing and communicating the contents of a shipment, or shipments, to one or more receivers of the transaction set. The receiver of this transaction set can be any organization having an interest in the contents of a shipment or information about the contents of a shipment.

Segments:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes
010	ISA	Interchange Control Header	M	1		
020	GS	Functional Group Header	M	1		

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes
010	ST	Transaction Set Header	M	1		
020	BSN	Beginning Segment for Ship Notice	M	1		
040	DTM	Date/Time Reference	O	10		

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes
LOOP ID – HL					**200000**	
010	HL	Hierarchical Level (Address)	M	1		C2/010
LOOP ID - N1					**200**	
340	N1	Name	M	1		
350	N2	Additional Name Information	O	2		
360	N3	Address Information	O	2		
370	N4	Geographic Location	O	1		
390	PER	Administrative Communications Contact	R	3		
LOOP ID – HL					**200000**	
400	HL	Hierarchical Level (Shipment)	M	1		C2/400
470	TD1	Carrier Details (Quantity and Weight)	R	20		
480	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
510	REF	Reference Numbers	M	>1		
LOOP ID – CLD					**200**	
520	CLD	Load Detail	O	1		
530	DTM	Date/Time Reference	O	10		
540	FOB	F.O.B. Related Instructions	O	1		

LOOP ID – HL   **200000**

680	HL	Hierarchical Level (Item)	M	1		C2/680
690	LIN	Item Identification	R	1		
700	SN1	Item Detail (Shipment)	R	1		
710	PRF	Purchase Order Reference	R	1		
720	PO4	Item Physical Details	O	1		
730	PID	Product/Item Description	O	200		

LOOP ID - CLD   **200**

| 800 | CLD | Load Detail | O | 1 |

LOOP ID – LM   **10**

| 890 | LM | Code Source Information | O | 1 |
| 900 | LQ | Industry Code | O | 100 |

Summary:

Pos	**Id**	**Segment Name**	**Req**	**Max Use**	**Repeat**	**Notes**
020	SE	Transaction Set Trailer	M	1		

Segments:

Pos	**Id**	**Segment Name**	**Req**	**Max Use**	**Repeat**	**Notes**
010	GE	Functional Group Trailer	M	1		
020	IEA	Interchange Control Trailer	M	1		

ISA   Interchange Control Header

Pos: 010	Max: 1
- Mandatory	
Loop: N/A	Elements: 16

To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
ISA01	I01	**Authorization Information Qualifier**	M	ID	2/2

Description: Code to identify the type of information in the Authorization Information.

Code	Name
00	No Authorization Information Present (No Meaningful Information in I02)

Ref	Id	Element Name	Req	Type	Min/Max
ISA02	I02	**Authorization Information**	M	AN	10/10

Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)

Ref	Id	Element Name	Req	Type	Min/Max
ISA03	I03	**Security Information Qualifier**	M	ID	2/2

Description: Code to identify the type of information in the Security Information.

Code	Name
00	No Security Information Present (No Meaningful Information in I04)

Ref	Id	Element Name	Req	Type	Min/Max
ISA04	I04	**Security Information**	M	AN	10/10

Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)

Ref	Id	Element Name	Req	Type	Min/Max
ISA05	I05	**Interchange ID Qualifier**	M	ID	2/2

Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified.

Code	Name
01	Duns (Dun & Bradstreet)
09	X.121 (CCITT)
12	Phone (Telephone Companies)
14	Duns Plus Suffix
ZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max
ISA06	I06	**Interchange Sender ID**	M	AN	15/15

Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element.

User Note 1: *Duns (Dun & Bradstreet)*

Ref	Id	Element Name	Req	Type	Min/Max
ISA07	I05	**Interchange ID Qualifier**	M	ID	2/2

Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified.

Code	Name
01	Duns (Dun & Bradstreet)
09	X.121 (CCITT)
12	Phone (Telephone Companies)
14	Duns Plus Suffix
ZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max
ISA08	**I07**	**Interchange Receiver ID**	**M**	**AN**	**15/15**

Description: Identification code published by the receiver of the data. When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them.

Ref	Id	Element Name	Req	Type	Min/Max
ISA09	**I08**	**Interchange Date**	**M**	**DT**	**6/6**

Description: Date of the interchange.

Ref	Id	Element Name	Req	Type	Min/Max
ISA10	**I09**	**Interchange Time**	**M**	**TM**	**4/4**

Description: Time of the interchange.

Ref	Id	Element Name	Req	Type	Min/Max
ISA11	**I10**	**Interchange Control Standards Identifier**	**M**	**ID**	**1/1**

Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer.

Code	Name
U	U.S. EDI Community of ASC X12, TDCC, and UCS

Ref	Id	Element Name	Req	Type	Min/Max
ISA12	**I11**	**Interchange Control Version Number**	**M**	**ID**	**5/5**

Description: This version number covers the interchange control segments.

Code	Name
00305	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through December 1994

Ref	Id	Element Name	Req	Type	Min/Max
ISA13	**I12**	**Interchange Control Number**	**M**	**N0**	**9/9**

Description: A control number assigned by the interchange sender

Ref	Id	Element Name	Req	Type	Min/Max
ISA14	**I13**	**Acknowledgment Requested**	**M**	**ID**	**1/1**

Description: Code sent by the sender to request an interchange acknowledgment (TA1)

All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max
ISA15	**I14**	**Test Indicator**	**M**	**ID**	**1/1**

Description: Code to indicate whether data enclosed by this interchange envelope is test or production.

(Note: when testing with DSCR Mercator translator use the "P" indicator. See element BSN01 to set for testing).

Code	Name
P	Production Data (See note above)

Ref	Id	Element Name	Req	Type	Min/Max
ISA16	**I15**	**Component Element Separator**	**M**	**AN**	**1/1**

Description: This field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator

GS   Functional Group Header

To indicate the beginning of a functional group and to provide control information

Semantics:

1. GS04 is the Group Date.
2. GS05 is the Group Time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated Functional Group Trailer GE02.

Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
GS01	**479**	**Functional Identifier Code**	**M**	**ID**	**2/2**
		Description: Code identifying a group of application related Transaction Sets.			
		<u>Code</u> <u>Name</u> SH Ship Notice/Manifest (856)			
GS02	**142**	**Application Sender's Code**	**M**	**AN**	**2/15**
		Description: Code identifying party sending transmission. Codes agreed to by trading partners.			
GS03	**124**	**Application Receiver's Code**	**M**	**AN**	**2/15**
		Description: Code identifying party receiving transmission. Codes agreed to by trading partners.			
GS04	**373**	**Date**	**M**	**DT**	**6/6**
		Description: Transaction Date (YYMMDD).			
GS05	**337**	**Time**	**M**	**TM**	**4/8**
		Description: 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)			
GS06	**28**	**Group Control Number**	**M**	**N0**	**1/9**
		Description: Assigned number originated and maintained by the sender.			
GS07	**455**	**Responsible Agency Code**	**M**	**ID**	**1/2**
		Description: Code used in conjunction with Data Element 480 to identify the issuer of the standard.			
		<u>Code</u> <u>Name</u> X Accredited Standards Committee X12			
GS08	**480**	**Version / Release / Industry Identifier Code**	**M**	**AN**	**1/12**
		Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments.			
		<u>Code</u> <u>Name</u> 003050 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1994.			

ST   Transaction Set Header

<div style="text-align: right">

Pos: 010   **Max: 1**
Heading - Mandatory
Loop: N/A   **Elements: 2**

</div>

To indicate the start of a transaction set and to assign a control number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3

Description: Code uniquely identifying a Transaction Set.

Code	Name
856	X12.10 Ship Notice/Manifest

Ref	Id	Element Name	Req	Type	Min/Max
ST02	329	**Transaction Set Control Number**	M	AN	4/9

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

User Note 1: *A unique number assigned by the originator of the transaction set, or the originator's application program.*

BSN   **Beginning Segment for Ship Notice**

<div style="text-align:right">

Pos: 020   Max: 1
Heading - Mandatory
Loop: N/A   Elements: 6

</div>

To transmit identifying numbers, dates and other basic data relating to the transaction set

DOD Note:
Use the 2/LM/340 loop in the 2/HL/010 shipment loop to indicate the status of the transaction set.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
BSN01	**353**	**Transaction Set Purpose Code**	**M**	**ID**	**2/2**

Description: Code identifying purpose of transaction set.

Code	Name
14	Advance Notification

    Description: Indicate "Advance Notification" to DSCR relative to a specific PO.

    ZZ   **Use only for testing.**

Ref	Id	Element Name	Req	Type	Min/Max
BSN02	**396**	**Shipment Identification**	**M**	**AN**	**2/30**

Description: A shipment control number assigned by the original shipper to identify a specific shipment.

Ref	Id	Element Name	Req	Type	Min/Max
BSN03	**373**	**Date**	**M**	**DT**	**6/6**

Description: Date (YYMMDD).

User Note 1: *To specify shipping document creation which to serve as a validation method and cross-reference to track shipments and/or documents pertaining to specific shipments.*

Ref	Id	Element Name	Req	Type	Min/Max
BSN04	**337**	**Time**	**M**	**TM**	**4/8**

Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes.

User Note 1: *1. Express the originating activity's time in Universal Time Coordinate (UTC).*

2. Express time in a four-position (Hour Hour Minute Minute) format.

Ref	Id	Element Name	Req	Type	Min/Max
BSN05	**1005**	**Hierarchical Structure Code**	**O**	**ID**	**4/4**

Description: Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set. In this transaction Set 001 refers to "Shipment."

Code	Name
0001	Address, Shipment, and Item

Ref	Id	Element Name	Req	Type	Min/Max
BSN06	**640**	**Transaction Type Code**	**O**	**ID**	**2/2**

Description: Code specifying the type of transaction.

User Note 1: *Use to indicate the type of transaction.*

Code	Name
AS	Shipment Advice

    Description: Notification by an inventory management organization providing current shipping advice relating to the outstanding requisition or order

DTM   Date/Time Reference

<div style="text-align: right">

Pos: 040   Max: 10
Heading - Optional
Loop: N/A   Elements: 5

</div>

To specify specific cargo "Ship Date and Time" from "Supplier (s) to Customer and/or DSCR." Note: Use DTM POS. 530 to specify if shipment has been delivered.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
DTM01	374	**Date/Time Qualifier**	M	ID	3/3

Description: Code specifying type of date or time or both date and time.

Code	Name
011	Shipped

Ref	Id	Element Name	Req	Type	Min/Max
DTM02	373	**Date**	R	DT	6/6

Description: To specify specific cargo "Ship date"

1. Express the date in Universal Time Coordinate.

Ref	Id	Element Name	Req	Type	Min/Max
DTM03	337	**Time**	R	TM	4/8

Description: 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)

User Note 1: *1. Use to indicate the transaction set creation time of the original Shipment Notice (e.g., the time carried in BSN04 of the original transmission).*

2. Express the time in a four-position (Hour Hour Minute Minute) format.

Ref	Id	Element Name	Req	Type	Min/Max
DTM04	623	**Time Code**	O	ID	2/2

Description: 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.

Ref	Id	Element Name	Req	Type	Min/Max
DTM05	624	**Century**	O	N0	2/2

Description: The first two characters in the designation of the year (CCYY).

HL Hierarchical Level (Address)

To identify dependencies among and the content of hierarchically related groups of data segments. Specifically, this loop is identify address information.

DOD Note:

1. Iterations of the 2/HL/010 loop provide data structured in a hierarchical logic consisting of address, shipment, line item and container information.

2. Must use the first iteration of the 2/HL/010 loop as the address loop. Use the second iteration as shipment loop to provide shipment information common to all line items. Use the third iteration and, if applicable, additional iterations as the line item loop. However, when there is a container applicable to a shipment, use the third iteration of the loop to associate the container with the shipment iteration of the loop. In that circumstance, the first and subsequent line item loops, if any, would begin at the next iteration of the loop following completion of all shipment level container information. Use iterations of the loop to specify container information and information related to consolidated shipments.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
HL01	628	**Hierarchical ID Number**	M	AN	1/12

Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure.

User Note 1: *In the first 2/HL/010 loop iteration, cite the number 1. In each subsequent loop iteration, increase incrementally by 1.*

Ref	Id	Element Name	Req	Type	Min/Max
HL02	734	**Hierarchical Parent ID Number**	R	AN	1/12

Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to.

User Note 1: *1. Do not use in the first occurrence of the 2/HL/010 address loop. Use in subsequent 2/HL/010 shipment loops to identify the relationship between a previous occurrence of the loop and the current occurrence of the loop.*

2. Cite the sequential serial number assigned in HL01 of the 2/HL/010 address loop to identify the shipment associated with the address. Cite the sequential serial number assigned in HL01 of the 2/HL/010 shipment loop to identify the line item associated with the shipment loop. Cite the sequential serial number assigned in HL01 of the 2/HL/010 shipment or line item loop, as appropriate, to associate a returnable container with its relevant shipment or line item. Citing the applicable information in this fashion provides a cross-reference for all address, shipment, line item and container information contained in the shipment notice. Repeat the shipment, line item and container loops as necessary, to identify all shipments, and line items relevant to the shipment(s) being reported.

Ref	Id	Element Name	Req	Type	Min/Max
HL03	735	**Hierarchical Level Code**	M	ID	1/2

Description: Code defining the characteristic of a level in a hierarchical structure.

Code	Name
V	Address Information

Description: The HL loop will identify entities associated with the shipment notice transaction

Ref	Id	Element Name	Req	Type	Min/Max
HL04	736	**Hierarchical Child Code**	R	ID	1/1

Description: Code indicating when there are hierarchical child data segments subordinate to the level being described.

Code	Name
1	Additional subordinate HL Data Segment in this Hierarchical Structure.

N1   Name

Pos: 340	**Max: 1**
Detail - Optional	
Loop: N1	**Elements: 4**

To identify procurement parties by function, type of entity, name and corresponding addresses.

DOD Note:

1. Use the 2/N1/220 loop in 2/HL/010 address loops to identify: a) the party originating the transaction set; b) an Automated Data Processing Point as specified in the contract for a party receiving the transaction set; and c) the Ship-To, ultimate recipient, or service performance locations when the same address applies to all line items in the 2/HL/010 shipment loops.

2. Use the 2/N1/220 loop in 2/HL/010 line item loops to identify addresses that vary by line item.

3. Use the 2/N1/220 loop in 2/HL/010 address loop to identify the Ship-To, ultimate recipient, or services performance location when the same address applies to all lines cited in the 2/HL/010 line item loops (when used by Defense Contract Management Command in preparing a Shipment Performance Notice).

4. Use other listed codes, as appropriate, in loops to which they are applicable.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
N101	**98**	**Entity Identifier Code**	**M**	**ID**	**2/2**

Description: Code identifying an organizational entity, a physical location, or an individual

Code	Name
BY	Buying Party (Purchaser)
PL	Party to Receive Purchase Order
PO	Party to Receive Invoice for Goods or Services
SE	Selling Party
SH	Shipper
ST	Ship To

Ref	Id	Element Name	Req	Type	Min/Max
N102	**93**	**Name**	**O**	**AN**	**1/35**

Description: Free-form name.

User Note 1: *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. When the title of the party performing Quality Assurance at destination is provided, carry that information in an iteration of the N2 segment. When N101 cites code 7H and the Free on Board point is a vessel, use to indicate, as applicable, the name of the port city.*

Ref	Id	Element Name	Req	Type	Min/Max
N103	**66**	**Identification Code Qualifier**	**O**	**ID**	**1/2**

Description: Code designating the system/method of code structure used for Identification Code (67).

Code	Name
10	Department of Defense Activity Address Code (DODAAC)
33	Commercial and Government Entity (CAGE)
ZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max
N104	**67**	**Identification Code**	**O**	**AN**	**2/20**

Description: Code identifying a party or other code.

User Note 1: *Use to cite the actual code activity cited in N101, as signaled in N103.*

N2 Additional Name Information

Pos: 350	**Max: 2**
Detail - Optional	
Loop: N1	**Elements: 2**

To specify additional names or those longer than 35 characters in length

DOD Note:

Use additional name information for the party cited in N101, when the size of the name is greater than the space allocated in N102.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
N201	**93**	**Name**	**M**	**AN**	**1/35**
		Description: Additional Name 1 or Address Line 2			
N202	**93**	**Name**	**O**	**AN**	**1/35**
		Description: Additional Name 2.			

N3 Address Information

<table>
<tr><td>Pos: 360</td><td>Max: 2</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: N1</td><td>Elements: 2</td></tr>
</table>

To specify the location of the named party

DOD Note:

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.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
N301	166	**Address Information**	M	AN	1/35
		Description: Address Line 1 or Address Line 3 information.			
N302	166	**Address Information**	O	AN	1/35
		Description: Address Line 2 or Address Line 4 information used for overseas address or Address Line 4 when unable to parse the city, state, and zip.			

N4   Geographic Location

Pos: 370   Max: 1
Detail - Optional
Loop: N1   Elements: 4

To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
N401	**19**	**City Name**	**O**	**AN**	**2/30**
		Description: Free-form text for city name.			
N402	**156**	**State or Province Code**	**O**	**ID**	**2/2**
		Description: Code (Standard State/Province) as defined by appropriate government agency.			
N403	**116**	**Postal Code**	**O**	**ID**	**3/11**
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States).			
		User Note 1: *Do not use a dash in the zip code.*			
N404	**26**	**Country Code**	**O**	**ID**	**2/3**
		Description: Code identifying the country.			
		User Note 1: *Use only when other than the United States.*			

PER   Administrative Communications Contact

<table>
<tr><td></td><td>Pos: 390</td><td>Max: 3</td></tr>
<tr><td></td><td colspan="2">Detail - Optional</td></tr>
<tr><td></td><td>Loop: N1</td><td>Elements: 9</td></tr>
</table>

To identify a person or office to whom administrative communications should be directed. Note: at least one (1) point of contact is required by DSCR.

DOD Note:
Use to indicate the name and title of a contractor party making a certification or authorization.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
PER01	**366**	**Contact Function Code**	**M**	**ID**	**2/2**

Description: Code identifying the major duty or responsibility of the person or group named.

Code	Name
AL	Alternate Contact

    Description: Person to be contacted when the main contact is not available

Code	Name
AS	Authorized Signature
CE	Certifier
IC	Information Contact

Ref	Id	Element Name	Req	Type	Min/Max
PER02	**93**	**Name**	**R**	**AN**	**1/35**

Description: Free-form name.

User Note 1:   *When PER01 cites codes CE or AS, use to indicate the name of the party making the certification or authorization.*

Ref	Id	Element Name	Req	Type	Min/Max
PER03	**365**	**Communication Number Qualifier**	**R**	**ID**	**2/2**

Description: Code identifying the type of communication number.

Code	Name
AU	Defense Switched Network

    Description: Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)

Code	Name
EM	Electronic Mail (DSCR requested)
FT	Federal Telecommunications System (FTS)
FX	Facsimile
IT	International Telephone
TE	Telephone

Ref	Id	Element Name	Req	Type	Min/Max
PER04	**364**	**Communication Number**	**R**	**AN**	**1/80**

Description: Complete communications number including country or area code when applicable.

Ref	Id	Element Name	Req	Type	Min/Max
PER05	**365**	**Communication Number Qualifier**	**R**	**ID**	**2/2**

Description: Code identifying the type of communication number.

Code	Name
AU	Defense Switched Network

    Description: Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)

Code	Name
EM	Electronic Mail
EX	Telephone Extension
FT	Federal Telecommunications System (FTS)
FX	Facsimile
IT	International Telephone
TE	Telephone (DSCR requested)

Ref	Id	Element Name	Req	Type	Min/Max
PER06	**364**	**Communication Number**	**R**	**AN**	**1/80**

Description: Complete communications number including country or area code when applicable.

PER07	**365**	**Communication Number Qualifier**	**R**	**ID**	**2/2**

Description: Code identifying the type of communication number.

Code Name

AU   Defense Switched Network
      Description: Department of Defense telecommunications
      system and successor of the Automatic Voice Network
      (AUTOVON)
EM   Electronic Mail
EX   Telephone Extension
FT   Federal Telecommunications System (FTS)
FX   Facsimile
IT   International Telephone
TE   Telephone

PER08	**364**	**Communication Number**	**R**	**AN**	**1/80**

Description: Complete communications number including country or area code when applicable.

PER09	**443**	**Contact Inquiry Reference**	**R**	**AN**	**1/20**

Description: Additional reference number or description to clarify a contact number.

User Note 1: *When PER01 cites code CE (Certifier), use to indicate the title of the party making the certification.*

HL   Hierarchical Level (Shipment)

To identify dependencies among and the content of hierarchically related groups of data segments. Specifically, this loop is identify shipment information.

DOD Note:

1. Iterations of the 2/HL/010 loop provide data structured in a hierarchical logic consisting of address, shipment, and line item information.

2. Must use the first iteration of the 2/HL/010 loop as the address loop. Use the second iteration as shipment loop to provide shipment information common to all line items. Use the third iteration and, if applicable, additional iterations as the line item loop. However, when there is a container applicable to a shipment, use the third iteration of the loop to associate the container with the shipment iteration of the loop. In that circumstance, the first and subsequent line item loops, if any, would begin at the next iteration of the loop following completion of all shipment level container information. Use iterations of the loop to specify container information and information related to consolidated shipments. Repeat the line item loop as necessary to identify all line items relevant to the shipment or line items being reported.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
HL01	628	**Hierarchical ID Number**	M	AN	1/12

Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure.

User Note 1: *In the first 2/HL/010 loop iteration, cite the number 1. In each subsequent loop iteration, increase incrementally by 1.*

Ref	Id	Element Name	Req	Type	Min/Max
HL02	734	**Hierarchical Parent ID Number**	O	AN	1/12

Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to.

User Note 1: *1. Do not use in the first occurrence of the 2/HL/010 address loop. Use in subsequent 2/HL/010 shipment loops to identify the relationship between a previous occurrence of the loop and the current occurrence of the loop.*

2. Cite the sequential serial number assigned in HL01 of the 2/HL/010 address loop to identify the shipment associated with the address. Cite the sequential serial number assigned in HL01 of the 2/HL/010 shipment loop to identify the line item associated with the shipment loop. Cite the sequential serial number assigned in HL01 of the 2/HL/010 shipment or line item loop, as appropriate, to associate a returnable container with its relevant shipment or line item. Citing the applicable information in this fashion provides a cross-reference for all address, shipment, line item and container information contained in the shipment notice. Repeat the shipment, line item and container loops as necessary, to identify all shipments, and line items relevant to the shipment(s) being reported.

Ref	Id	Element Name	Req	Type	Min/Max
HL03	735	**Hierarchical Level Code**	M	ID	1/2

Description: Code defining the characteristic of a level in a hierarchical structure.

Code	Name
S	Shipment

Description: The HL loop will identify entities associated with the shipment notice transaction.

Ref	Id	Element Name	Req	Type	Min/Max

HL04   **736**   **Hierarchical Child Code**   **R**   **ID**   **1/1**

Description: Code indicating when there are hierarchical child data
segments subordinate to the level being described.

Code   **Name**

1   Additional subordinate HL Data Segment in this Hierarchical
Structure.

TD1   **Carrier Details (Quantity and Weight)**

Pos: 470	**Max: 20**
Detail - Optional	
Loop: HL	**Elements: 5**

To specify the shipment details relative to commodity, weight and quantity.

DOD Note:

Use in all contracts administered by Defense Contract Management Command with the exception of Fast Pay Procedures. Use in the 2/HL/010 shipment loop to provide, as applicable, the actual weight in pounds, of the shipment being reported.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
TD101	**103**	**Packaging Code**	**R**	AN	**3/5**

Description: Code identifying the type of packaging. Part 1. Packaging form. Part 2. Packaging Material.

Code	Name
BOX	Box (Note this is an example of code use, a number of other codes are also available, and accepted by DSCR. Consult the conclusive ANSI X12 guide)

*If present, require TD102.

Ref	Id	Element Name	Req	Type	Min/Max
TD102	**80**	**Lading Quantity**	**R**	N0	**1/7**

Description: Number of units (pieces) of the lading commodity.

*If present, require TD101.

Ref	Id	Element Name	Req	Type	Min/Max
TD106	**187**	**Weight Qualifier**	**O**	ID	**1/2**

Description: Code defining the type of weight.

Code	Name
G	Gross Weight (Note this is an example of code use, a number of other codes are also available, and accepted by DSCR. Consult the conclusive ANSI X12 guide)

Ref	Id	Element Name	Req	Type	Min/Max
TD107	**81**	**Weight**	**O**	R	**1/10**

Description: Identifying the numeric value of shipment weight.

User Note 1: *The actual gross weight in pounds of the shipment being reported.*

Ref	Id	Element Name	Req	Type	Min/Max
TD108	**355**	**Unit or Basis for Measurement Code**	**O**	ID	**2/2**

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

Code	Name
01	Actual Pounds (Note this is an example of code use, a number of other codes are also available, and accepted by DSCR. Consult the conclusive ANSI X12 guide)

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 480 Max: 12
Detail - Optional
Loop: HL Elements: 4

To specify the carrier and routing information

DOD Note:
Use in 2/HL/010 shipment loops to identify the mode of shipment.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
TD501	133	**Routing Sequence Code**	O	ID	1/2

Description: Code describing the sequence of routing ralating to a specific shipment movement.

Code	Name
O	Origin Carrier (Air, Motor, or Ocean)

Ref	Id	Element Name	Req	Type	Min/Max
TD502	66	**Identification Code Qualifier**	O	ID	1/2

Description: Designated system/method of code structure used for identificating a carrier.

Code	Name
33	Commercial and Government Entity (CAGE)

Ref	Id	Element Name	Req	Type	Min/Max
TD503	67	**Identification Code**	O	AN	2/20

Description: Actual code for identifying a specific carrier.

Ref	Id	Element Name	Req	Type	Min/Max
TD505	387	**Routing**	O	AN	1/35

Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity.

REF   Reference Numbers

Pos: 510   Max: >1
Detail - Optional
Loop: HL   Elements: 3

The usage and occurrence are as follows;

Occurrence A.	CARRIER TRACKING INFORMATION
	➔ TYPE TRACKING CODE
	➔ TRACKING NUMBER
	➔ CARRIER NAME
Occurrence B.	REQUISITION NUMBER
	➔ INTERNAL ORDER NUMBER
	➔ REQUISITION NUMBER
Occurrence C.	MILSTRIP REQUISITION PRIORITY NUMBER
	➔ PRIORITY RATING
	➔ DOD PRIORITY CODE
Occurrence D	. PROJECT CODE
	➔ PROJECT QUALIFIER
	➔ PROJECT CODE NUMBER
Occurrence E	FORIEGN MILITARY SALES (FMS) CASE CODE
	➔ FMS CASE NUMBER
	➔ CASE CODE

DOD Note:

1. Use in the 2/HL/010 shipment loop to identify bill of lading and transportation control numbers.

2. Use in the 2/HL/010 line item loops to identify, if applicable, the transaction number (i.e., the requisition number), and also, if applicable, the requisition number suffix, and other suffix, and other controlling numbers.

3. Use in the 2/HL/010 shipment loop to identify the shipment number assigned by the contractor, and if applicable, the suffix associated with the shipment number.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
REF01	**128**	**Reference Number Qualifier**	**M**	**ID**	**2/2**

Description: Code identifying shipment reference and/or tracking information below.

Code	Name
08	Carrier Assigned Package Identification Number
IL	Internal Order Number
P4	Project Code
PH	Priority Rating

Ref	Id	Element Name	Req	Type	Min/Max
REF02	**127**	**Reference Number**	**R**	**AN**	**1/30**

Description: To list Requisition Number when REF01 = IL.

Ref	Id	Element Name	Req	Type	Min/Max
REF03	**352**	**Text Description**	**R**	**AN**	**1/80**

Description: To identify specific carrier corresponding to the Tracking Number in REF/150/127/02 .

Example (s):

FEDEX = Federal Express

UPS   = United Parcel Post

OVN   = Over Night

DTM   **Date/Time Reference**

Pos: 530	**Max: 10**
Detail - Optional	
Loop: HL	**Elements: 7**

To specify pertinent dates and times

DOD Note:

Use in the 2/HL/010 shipment loop to identify the actual/estimated date of material shipment or service performance when the same date applies to all line items cited in 2/HL/010 line item loops.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
DTM01	**374**	**Date/Time Qualifier**	**M**	**ID**	**3/3**

Description: Code specifying type of date or time, or both date and time.

User Note 1: *Use only one code except for bulk petroleum shipments which may cite codes 011 and 375 together, if applicable.*

Code	Name
035	Delivered (Goods and/or services delivered to buyer or designated receiving agent)

Ref	Id	Element Name	Req	Type	Min/Max
DTM02	**373**	**Date**	**R**	**DT**	**6/6**

Description: Date (YYMMDD).

Ref	Id	Element Name	Req	Type	Min/Max
DTM03	**337**	**Time**	**O**	**TM**	**4/8**

Description: 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)

Ref	Id	Element Name	Req	Type	Min/Max
DTM04	**623**	**Time Code**	**O**	**ID**	**2/2**

Description: 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.

Ref	Id	Element Name	Req	Type	Min/Max
DTM05	**624**	**Century**	**O**	**N0**	**2/2**

Description: The first two characters in the designation of the year (CCYY).

Ref	Id	Element Name	Req	Type	Min/Max
DTM06	**1250**	**Date Time Period Format Qualifier**	**O**	**ID**	**2/3**

Description: Code indicating the date format, time format, or date and time format.

User Note 1: *Use to indicate dates in another format.*

All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max
DTM07	**1251**	**Date Time Period**	**O**	**AN**	**1/35**

Description: Expression of a date, a time, or range of dates, times or dates and times.

FOB   F.O.B. Related Instructions

To specify payment instructions relating to shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
FOB01	**146**	**Shipment Method of Payment**	**M**	**ID**	**2/2**

Description: Code identifying FOB point.

Code	Name
PP	Prepaid (by Seller)
PS	Paid by Seller

Description: The seller agrees to the transportation payment term requiring the seller to pay transportation charges to a specified location (origin or destination location)

Ref	Id	Element Name	Req	Type	Min/Max
FOB02	**309**	**Location Qualifier**	**O**	**ID**	**1/2**

Description: Code identifying type of location.

Code	Name
DE	Destination (Shipping)
OR	Origin (Shipping Point)

Ref	Id	Element Name	Req	Type	Min/Max
FOB03	**352**	**Description**	**O**	**AN**	**1/80**

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

Ref	Id	Element Name	Req	Type	Min/Max
FOB06	**309**	**Location Qualifier**	**O**	**ID**	**1/2**

Description: Code used to identify the Acceptance (and Inspection) point.

Code	Name
DE	Destination (Shipping)
OR	Origin (Shipping Point)

Ref	Id	Element Name	Req	Type	Min/Max
FOB07	**352**	**Description**	**O**	**AN**	**1/80**

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

HL   Hierarchical Level (Item)

Pos: 680	Max: 1
Detail - Mandatory	
Loop: HL	**Elements: 4**

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

DOD Note:

1. Iterations of the 2/HL/010 loop provide data structured in a hierarchical logic consisting of address, shipment, line item and container information.

2. Must use the first iteration of the 2/HL/010 loop as the address loop. Use the second iteration as shipment loop to provide shipment information common to all line items. Use the third iteration and, if applicable, additional iterations as the line item loop. However, when there is a container applicable to a shipment, use the third iteration of the loop to associate the container with the shipment iteration of the loop. In that circumstance, the first and subsequent line item loops, if any, would begin at the next iteration of the loop following completion of all shipment level container information. Use iterations of the loop to specify container information and information related to consolidated shipments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
HL01	**628**	**Hierarchical ID Number**	**M**	**AN**	**1/12**

Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure.

User Note 1: *In the first 2/HL/010 loop iteration, cite the number 1. In each subsequent loop iteration, increase incrementally by 1.*

Ref	Id	Element Name	Req	Type	Min/Max
HL02	**734**	**Hierarchical Parent ID Number**	**O**	**AN**	**1/12**

Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to.

User Note 1: *1. Do not use in the first occurrence of the 2/HL/010 address loop. Use in subsequent 2/HL/010 shipment loops to identify the relationship between a previous occurrence of the loop and the current occurrence of the loop.*

2. Cite the sequential serial number assigned in HL01 of the 2/HL/010 address loop to identify the shipment associated with the address. Cite the sequential serial number assigned in HL01 of the 2/HL/010 shipment loop to identify the line item associated with the shipment loop. Cite the sequential serial number assigned in HL01 of the 2/HL/010 shipment or line item loop, as appropriate, to associate a returnable container with its relevant shipment or line item. Citing the applicable information in this fashion provides a cross-reference for all address, shipment, and line item information contained in the shipment notice.

Ref	Id	Element Name	Req	Type	Min/Max
HL03	**735**	**Hierarchical Level Code**	**M**	**ID**	**1/2**

Description: Code defining the characteristic of a level in a hierarchical structure.

Code	Name
I	Item

Description: The HL loop will identify entities associated with the shipment notice transaction.

Ref	Id	Element Name	Req	Type	Min/Max
HL04	**736**	**Hierarchical Child Code**	**O**	**ID**	**1/1**

Description: Code indicating when there are hierarchical child data segments subordinate to the level being described.

Code	Name
1	Additional Subordinate HL Data Segment in This Hierarchical Structure.

LIN	**Item Identification**		**Pos: 690** **Max: 1**	
			Detail - Optional	
			Loop: HL **Elements: 7**	

To specify item level identification data.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
LIN01	**350**	**Assigned Identification**	**O**	**AN**	**1/11**

Description: Use to identify items in accordance with the format prescribed in the Defense Federal Acquisition Regulation Supplement Uniform Line Item Numbering Policy, the Line Item, if applicable, e.g., Contract Line Item Number, Sub Line Item Number, Exhibit Line Item Number, etc., in accordance with the Uniform Contract Line Item Numbering System. (Note DSCR LIN=0001 in most cases, if another ID is assigned please contact the DSCR representative).

User Note 1:   *1. Use to identify in accordance with the format prescribed in the Defense Federal Acquisition Regulation Supplement Uniform Line Item Numbering Policy, the Line Item, if applicable, e.g., Contract Line Item Number, Sub Line Item Number, Exhibit Line Item Number, etc., in accordance with the Uniform Contract Line Item Numbering System.*

2. This data element is required when preparing a Shipment Performance Notice or destination acceptance alert for Defense Contract Management Command use.

Ref	Id	Element Name	Req	Type	Min/Max
LIN02	**235**	**Product/Service ID Qualifier**	**M**	**ID**	**2/2**

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

User Note 1:   *1. For Navy and Defense Logistics Agency contracts, LIN02 must be used at least once and cited either of codes FS, MG, or SW to identify material. Use code SV to identify a service performance notice.*

2. 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.

3. For other than Navy and Defense Logistics Agency contracts use any applicable code(s).

4. For bulk fuels, only use code FS.

Code	Name
FS	National Stock Number

Ref	Id	Element Name	Req	Type	Min/Max
LIN03	**234**	**Product/Service ID**	**M**	**AN**	**1/40**

Description: Identifying number for a "National Stock Number" for a product or service.

Ref	Id	Element Name	Req	Type	Min/Max

User Note 1: *Use code "Z" to indicate "See Contract" when the item cannot be described by one of the other codes, or by using the 2/PID/070 segment.*

LIN04	**235**	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**

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

Code Name

VN   Vendor's (Seller's) Item Number (Note this is an example of code use, a number of other codes are also available, and accepted by DSCR. Consult the conclusive ANSI X12 guide)

LIN05	**234**	**Product/Service ID**	**O**	**AN**	**1/40**

Description: Identifying number for a "Vendor's (Seller's) Part Number" for a product or service.

LIN06	**235**	**Product/Service ID Qualifier**	**O**	**ID**	**2/2**

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

Code Name

ZZ   Mutually Defined

LIN07	**234**	**Product/Service ID**	**O**	**AN**	**1/40**

Description: Identifying number for a "Mutually Defined - Requisition Number" for a product or service.

SN1   Item Detail (Shipment)

Pos: 700	**Max: 1**
Detail - Optional	
Loop: HL	**Elements: 4**

To specify line item details relative to shipment

DOD Note:

1. Use as needed in the 2/HL/010 line item loops to identify shipment quantities in the various levels. Use as necessary in the 2/HL/010 container loops to indicate the number of returnable shipping containers. Use 2/REF/150, code RS to indicate the serial numbers of returnable containers or shipping containers.

2. Use only as needed when reporting services.

3. When used to indicate items shipped to multiple consignees, there must be an iteration of the 2/SLN/040 segment to indicate the total quantity shipped.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
SN102	382	**Number of Units Shipped**	M	R	1/10

Description: Quantity shipped in vendor's unit of issue for line item(s).

User Note 1: *1. When BSN05 is not present and HL03 is code S (shipment loop), use to identify the quantity shipped.*

2. Use as necessary in the 2/HL/010 container loop to indicate the quantity of returnable containers or the total quantity of containers shipped. Use 2/REF/150 code RS to indicate serial numbers of returnable containers.

3. When BSN05 is code 0001 and HL03 is code O (Order loop), use to identify the number of items shipped in an order.

4. When BSN05 is code 0001 and HL03 is code P (Pack loop), use to identify the number of items shipped in a pack.

5. Use the number "0" (zero) to indicate no quantity was either shipped or reported, such as in an interim Shipment Performance Notice.

Ref	Id	Element Name	Req	Type	Min/Max
SN103	355	**Unit or Basis for Measurement Code**	M	ID	2/2

Description: Unit measurements for line item(s) shipped. (Note: unit of issue is of significance and must be agreed upon for usage between buyer (government) and vendors to accurately track and reconcile a shipment).

User Note 1: *1. Use any code, other than code ZZ, to identify as necessary, the purchase unit for the quantity shipped or service performed. DLMS users see the Unit of Issue and Purchase Unit Conversion Table for available codes. Use code UL when no purchase unit applies.*

2. Use as necessary to indicate the applicable unit when in the shipment or container level loops.
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max
SN105	330	**Quantity Ordered**	R	R	1/9

Description: Quantity of line item(s) ordered.

User Note 1: *Use to indicate another quantity against an alternate unit of issue. When used, include that other unit of issue in the SN106 data element.*

Ref	Id	Element Name	Req	Type	Min/Max
SN106	**355**	**Unit or Basis for Measurement Code**	**R**	**ID**	**2/2**

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken. (Note: unit of issue is of significance and must be agreed upon for usage between buyer (government) and vendors to accurately track and reconcile a shipment).

User Note 1: *Use any code, other than code ZZ, to indicate the alternate unit of measure. DLMS users see the Unit of Issue and Purchase Unit Conversion Table for available codes.*

All valid standard codes are used.

PRF   **Purchase Order Reference**

Pos: 710	Max: 1
Detail - Optional	
Loop: HL	**Elements: 5**

To provide reference to a specific purchase order.

DOD Note:

1. Use in 2/HL/010 shipment loops to identify contract information.

2. Use to identify the Procurement Instrument Identification Number and, if applicable, the Supplemental Procurement Instrument Identification Number.

3. Use to identify a contract or order modifications, as applicable, except for Defense Contract Management Command use in generating a Shipment Performance Notice.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
PRF01	**324**	**Purchase Order Number**	**M**	**AN**	**1/22**

Description: Identify the "Purchase Order Number" assigned by the orderer/purchaser and/or DSCR. Communicated from the 850 PO.

User Note 1: *Enter the purchase order number, contract number (including Federal Supply Schedules, General Services Administration Schedules and all other basic contracts), Blanket Purchase Agreement number, Grant, Lease or Agreement number. This is always the Procurement Instrument Identification Number 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.*

Ref	Id	Element Name	Req	Type	Min/Max
PRF02	**328**	**Release Number**	**O**	**AN**	**1/30**

Description: Identify the "Delivery Order/Call Number" assigned by the orderer/purchaser and/or DSCR. Communicated from the 850 PO.

User Note 1: *Enter the number of a release, call or delivery order against a basic award instrument. This is always the Supplemental Procurement Instrument Identification Number for the Department of Defense or the equivalent expression for Civilian Agencies. This number shall be transmitted without dashes. When preparing a Shipment Performance Notice or destination acceptance alert for Defense Contract Management Command do not include the contract modification number.*

Ref	Id	Element Name	Req	Type	Min/Max
PRF04	**373**	**Date**	**O**	**DT**	**6/6**

Description: Identify date of the "Delivery/Purchase Order/850" assigned by the orderer/purchaser and/or DSCR.

Ref	Id	Element Name	Req	Type	Min/Max
PRF06	**367**	**Contract Number**	**O**	**AN**	**1/30**

Description: Contract number.

User Note 1: *Use to identify the Small Business Administration (SBA) contract number for an 8a set-aside. The SBA office issuing this contract is cited in 2/N1/220 segment by use of code C9 in N101.*

Ref	Id	Element Name	Req	Type	Min/Max
PRF07	**92**	**Purchase Order Type Code**	**O**	**ID**	**2/2**

Description: Code specifying the type of Purchase Order.

Code	Name
RL	Release or Delivery Order

    Description: An order for goods and services placed against a pre-existing contract or blanket order

PO4   Item Physical Details

<div style="text-align:right">

Pos: 720   Max: 1
Detail - Optional
Loop: HL   Elements: 14

</div>

To specify the physical qualities, packaging, weights and dimensions relating to the item.

DOD Note:
Use, as necessary, to describe the physical details of the item cited in LIN01.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
PO401	356	**Pack**	O	N0	1/6
		Description: Number of inner pack units per outer pack unit.			
PO402	357	**Size**	O	R	1/8
		Description: Size of supplier units in pack.			
PO403	355	**Unit or Basis for Measurement Code**	O	ID	2/2
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		User Note 1: *Use any code other than code ZZ. DLMS users see the Unit of Issue and Purchase Unit Coversion Table for available codes.*			
		All valid standard codes are used.			
PO404	103	**Packaging Code**	O	AN	3/5
		Description: Code identifying the type of packaging. Part 1. Packaging form. Part 2. Packaging Material.			
		All valid standard codes are used.			
PO405	187	**Weight Qualifier**	O	ID	1/2
		Description: Code defining the type of weight.			
		User Note 1: *Use any code other than code Z.*			
		All valid standard codes are used.			
PO406	384	**Gross Weight per Pack**	O	R	1/9
		Description: Numeric value of gross weight per pack.			
PO407	355	**Unit or Basis for Measurement Code**	O	ID	2/2
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		User Note 1: *Use any code other than code ZZ. DLMS users see the Unit of Issue and Purchase Unit Coversion Table for available codes.*			
		All valid standard codes are used.			
PO408	385	**Gross Volume per Pack**	O	R	1/9
		Description: Numeric value of gross volume per pack.			
PO409	355	**Unit or Basis for Measurement Code**	O	ID	2/2
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		User Note 1: *Use any code other than code ZZ. DLMS users see the Unit of Issue and Purchase Unit Coversion Table for available codes.*			
		All valid standard codes are used.			
PO410	82	**Length**	O	R	1/8
		Description: Largest horizontal dimension of an object measured when the object is in the upright position.			

Ref	Id	Element Name	Req	Type	Min/Max
PO411	**189**	**Width**	**O**	**R**	**1/8**

Description: Shorter measurement of the two horizontal dimensions measured with the object in the upright position.

PO412	**65**	**Height**	**O**	**R**	**1/8**

Description: Vertical dimension of an object measured when the object is in the upright position.

PO413	**355**	**Unit or Basis for Measurement Code**	**O**	**ID**	**2/2**

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

User Note 1: *Use any code other than code ZZ. DLMS users see the Unit of Issue and Purchase Unit Coversion Table for available codes.*

All valid standard codes are used.

PO414	**810**	**Inner Pack**	**O**	**N0**	**1/6**

Description: Number of units in each selling pack

PID   **Product/Item Description**

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

DOD Note:
Use this segment only when additional free form text is needed to describe the item cited in LIN01.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
PID01	**349**	**Item Description Type**	**M**	**ID**	**1/1**

Description: Code indicating the format of a description.

Code	Name
F	Free-form

Ref	Id	Element Name	Req	Type	Min/Max
PID05	**352**	**Description**	**O**	**AN**	**1/80**

Description: A free-form description to clarify the related data elements and their content. Use to describe the item cited in LIN01 only when an additional description is required. This layout is consistent with that of the 856.

User Note 1: *Use to describe the item cited in LIN01 only when an additional description is required.*

CLD Load Detail

Pos: 800   **Max: 1**
Detail - Optional
Loop: CLD   **Elements: 3**

To specify the number of material loads shipped.

DOD Note:

Use the 2/CLD/170 loop in 2/HL/010 line item loops to relate the quantity of the item shipped to one or more requisition numbers.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
CLD01	622	**Number of Loads**	M	N0	1/5

Description: Number of customer-defined loads shipped by the supplier.

User Note 1: *1. Use the actual number or use the number 1 to satisfy X12 syntax.*

2. When BSN05 is code 0001 and HL03 is code O (Order loop), cite the actual number of loads.

Ref	Id	Element Name	Req	Type	Min/Max
CLD02	382	**Number of Units Shipped**	M	R	1/10

Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set.

User Note 1: *1. Indicate the quantity of the item shipped for the requisition number cited in the REF segment.*

2. When BSN05 is code 0001, cite the number 1 to satisfy X12 syntax.

Ref	Id	Element Name	Req	Type	Min/Max
CLD05	355	**Unit or Basis for Measurement Code**	O	ID	2/2

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

User Note 1: *Use any code, other than code ZZ, however, it must be the same code used in the Contract Line Item Number description for the contract contained in the LIN segment.*

All valid standard codes are used.

LM Code Source Information

Pos: 890　　　Max: 1
Detail - Optional
Loop: LM　　　Elements: 1

To transmit standard code list identification information

DOD Note:

Use the 2/LM/340 loop in the 2/HL/010 shipment loop to identify, as applicable, the contract shipment advice, transaction status indicator, supply condition code, and management code, as Department of Defense coded data, and the Document Identifier Code (DIC) when the same code applies to all line items cited in 2/HL/010 line item loops.　Use the 2/LM/340 loop in 2/HL/010 line item loops when the codes vary by line item.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
LM01	559	Agency Qualifier Code	O	ID	2/2

Description: Code identifying the agency assigning the code values.

Code	Name
DF	Department of Defense (DoD)

LQ   Industry Code

<div style="border:1px solid">
Pos: 900   Max: 100
Detail - Optional
Loop: LM   Elements: 2
</div>

Code to transmit standard industry codes

DOD Note:
Use to identify codes, as appropriate, consistent with management information requirements.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
LQ01	**1270**	**Code List Qualifier Code**	**O**	**ID**	**1/3**

Description: Code identifying a specific industry code list

Code	Name
A9	Supplementary Address

      Description: Identifies the originating organization's unique logistics information

Ref	Id	Element Name	Req	Type	Min/Max
LQ02	**1271**	**Industry Code**	**O**	**AN**	**1/20**

Description: Supplementary Address (DODAAC)

User Note 1: *1. When preparing an internal Department of Defense transaction, and when LQ01 cites code 0, cite one of document identifier codes PJJ, PJR or PK5.*

2. When preparing a Defense Logistics Management System destination acceptance alert, and when LQ01 is code 6, use only code A (Liquidated Damages). For others, use as many of these codes as are appropriate: A (Liquidated Damages), E (Government furnished property was part of the contract) or K (Bond bailment for DPSC clothing contracts).

3. When preparing a Defense Logistics Management System destination acceptance alert, and when LQ01 is code 7, use one of these codes: D (Destination) or S (Origin, Source).

4. When preparing a Defense Logistics Management System destination acceptance alert, and when LQ01 is code 8, use one of these codes: D (Destination) or S (Origin, Source).

5. When preparing a Defense Logistics Management System shipment performance notice, and when LQ01 is code 10, use as many of these codes as applicable: G (Ship-To code differs from contract), H (Stock number/part number differs from contract), L (MILSTRIP document number differs from contract), P (Final quantity shipped exceeds quantity variance for the cited CLIN), Q (Mark-for differs from contract), S (Two or more of the ship-to, mark-for, MILSTRIP document number do not match the contract), T (Quantity shipped exceed the on-order quantity and the stock/part number differ from the contract).

6. When preparing a Defense Logistics Management System shipment performance notice, and when LQ01 is code 14, use, as applicable only one of the codes: A (Components missing), B (Missing components

Ref	Id	Element Name	Req	Type	Min/Max

furnished), C (Quantity increase), D (Quantity decrease), E (Replacement shipment), F (Shipped and held in bond at contractor's plant), G (Shipped and held as GFP), H (Shipped or performed as indicated), and Z (Underrun quantity). While multiple codes can be transmitted, only one will be converted to an 80-column record in the Defense Logistics Management System.

7. When LQ01 is code 16, use one of the following codes: D (Discount), or N (No discount).

8. When preparing a shipment notice, and when LQ01 is code 9, use the following code: F (Fast Pay).

9. Use LQ01 code 83 only for Defense Logistics Management System bulk petroleum shipments to identify the supply condition.

10. Use LQ01 code 84 only for Defense Logistics Management System bulk petroleum shipments to identify management coded data.

SE   Transaction Set Trailer

Pos: 020   Max: 1
Summary - Mandatory
Loop: N/A   Elements: 2

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
SE01	**96**	**Number of Included Segments**	**M**	**N0**	**1/10**

Description: Total number of segments included in a transaction set including ST and SE segments.

Ref	Id	Element Name	Req	Type	Min/Max
SE02	**329**	**Transaction Set Control Number**	**M**	**AN**	**4/9**

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

User Note 1: *Cite the same number as the one cited in ST02.*

GE   **Functional Group Trailer**

<div align="right">
Pos: 010   Max: 1
- Mandatory
Loop: N/A   Elements: 2
</div>

To indicate the end of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
GE01	97	**Number of Transaction Sets Included**	M	N0	1/6

Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element.

Ref	Id	Element Name	Req	Type	Min/Max
GE02	28	**Group Control Number**	M	N0	1/9

Description: Assigned number originated and maintained by the sender.

IEA   Interchange Control Trailer

Pos: 020	Max: 1
- Mandatory	
Loop: N/A	Elements: 2

To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
IEA01	I16	**Number of Included Functional Groups**	M	N0	1/5
		Description: A count of the number of functional groups included in an interchange			
IEA02	I12	**Interchange Control Number**	M	N0	9/9
		Description: A control number assigned by the interchange sender			