AD-A263 353
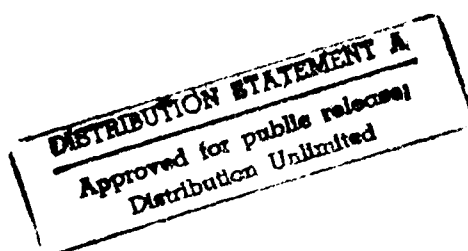
Draft

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Defense

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DoD
Electronic Data
Interchange (EDI)
Convention

ASC X12 Transaction Set 856
Ship Notice/Manifest
(Version 003030)

Executive Agent for EC/EDI/PLUS
Defense Logistics Agency
Cameron Station
Alexandria, VA 22304-6100

93-08758

10.0 DoD EDI CONVENTION

ASC X12 TRANSACTION SET 856
SHIP NOTICE MANIFEST
(VERSION 003030)

FORMATTING SHIP NOTICE MANIFEST INFORMATION FOR THE DoD PAYMENT SYSTEM USING THE ASC X12 TRANSACTION SET 856 SHIP NOTICE MANIFEST.

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13. ABSTRACT *(Maximum 200 words)*

This is an Electronic Data Interchange (EDI) systems design document that describes the standards or "convention" the Department of Defense (DoD) will use to accept or transmit a ship notice/manifest using the ASC X12 Transaction Set 856 Ship Notice/Manifest (003030).

14. SUBJECT TERMS		15. NUMBER OF PAGES
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Contents

FORMATTING SHIP NOTICE MANIFEST INFORMATION FOR THE DoD PAYMENT SYSTEM USING THE ASC X12 TRANSACTION SET 856 SHIP NOTICE MANIFEST.

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10.i INTRODUCTION

This is an Electronic Data Interchange (EDI) systems design document that describes the standard or "convention" the Department of Defense (DoD) will use to accept a Ship Notice Manifest using the ASC X12 Transaction Set 856 Ship Notice Manifest (003030). It contains information for the design of interface computer programs that serve to link systems application computer programs and an EDI translator computer program.

Who Needs to Use This Document

Computer programmers can use this document to identify the data in a populated EDI transaction with data requirements of their specific application database. Conversely, programmers can identify where their applications data requirement should be carried in an EDI transaction.

Why Use a Convention

There are more ways to populate an EDI transaction than there are ways to fill out a blank form. A convention defines the rules for filling in or "populating" an EDI transaction with a specific data set. Following a convention ensures the integrity of data that is produced and processed by EDI capable computer systems.

Contents

Three sections are included in this document.

● Section 10.2, Control Segments, identifies the specific data requirements for formatting the EDI interchange control segments when sending and receiving EDI transactions.

● Section 10.7, DoD Conventions, lists the layout of the target transaction set by segment and data element. This section can be used to interpret segments and data elements of a populated transaction set.

● Appendices contain examples of populated transaction sets, trading partner data element matrix, and other items that serve as references for software developers.

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10.2 Control Segme .:s

Overview

This chapter describes the Electronic Data Interchange (EDI) control segments (interchange control segments and functional group segments). The control segment information was derived from the ASC X12 Standards Draft Version 3 Release 3 (003030).

Purpose

This chapter identifies specific data requirement for formatting the EDI control segments when transmitting and receiving EDI transactions. The format and data content of the control segments is usually managed by EDI translation software. The data requirement described herein should be used to set control segment format when installing or initializing translation software for transmission and reception of EDI transaction.

Contents

Two items are included in this chapter.

- Table 10.2-1, Interchange Control Segment Hierarchy describes the control segments in their order of occurrence in an EDI communications interchange.

- Table 10.2-2, DoD Convention ASC X12 Control Segments is a detailed description of the Department of Defense data conventions for formatting EDI standard control segments. All segments identified in Table 10.2-1 are broken down and described by their discrete data elements.

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TABLE 10.2-1

Control Segment Hierarchy

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Interchange Control Envelope
Control Segments

	Pos No.	Seg ID	Name	Req Des	Use	Loop
USE	10	ISA	Interchange Control Header	M	1	
USE	20	GS	Functional Group Header	M	1	
			•			
			• Grouped Transactions			
			•			
USE	30	GE	Functional Group Trailer	M	1	
USE	40	IEA	Interchange Control Trailer	M	1	

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TABLE 10.2-2

DoD Convention

ASC X12 Control Segments

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Segment: ISA   Interchange Control Header

Usage: M

Purpose: To start and identify an interchange of one or more functional groups and interchange-related control segments. The actual values of the data element separator and the segment terminator for this interchange are set by the interchange control header. For a particular interchange, the value at the fourth character position is the data element separator, and the value of the last character position is the value of the segment terminator.

Note: The interchange control number value in this header must match the value in the same data element in the corresponding interchange control trailer.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
ISA01	I01	**Authorization Information Qualifier** Code to identify the type of information in the Authorization Information.	M ID 2/2

Code	Definition
00	No Authorization Information Present

Ref. Des.	Data Element	Name	Attributes
ISA02	I02	**Authorization Information** Information used for additional identification or authorization of the sender or the data in the interchange. The type of information is set by the Authorization Information Qualifier.	M AN 10/10
ISA03	I03	**Security Information Qualifier** Code to identify the type of information in the Security Information.	M ID 2/2

Authorization Information
Qualifier
[001]

Authorization Information
[002]

If no authorization information is agreed to by trading partners, fill field with blanks.

Security Information Qualifier
[003]

Code	Definition
01	Password

ISA04 I04 Security Information M AN 10/10

This is used for identifying the security information
about the sender or the data in the interchange.
The type of information is set by the Security Infor-
mation Qualifier.

Security Information
[004]

An agreed upon password. If no
security information is agreed to by
trading partners, fill field with blanks.

ISA05 I05 Interchange Id Qualifier M ID 2/2

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

Code	Definition
ZZ	Mutually Defined.

Interchange Id Qualifier
[005]

ISA06 I06 Interchange Sender Id M AN 15/15

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 number in
the sender ID element.

Interchange Sender Id
[006]

DoD activities use Department of
Defense Activity Address Code
(DoDAAC) or other code coor-
dinated with the value-added net-
work (VAN). Non-DoD activities use
identification code qualified by
ISA05 and coordinated with the VAN.

ISA07 I05 Interchange Id Qualifier M ID 2/2

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

Interchange Id Qualifier
[007]

Interchange Receiver Id
[008]

DoD activities use Department of
Defense Activity Address Code
(DoDAAC) or other code coor-
dinated with the value-added net-
work (VAN). Non-DoD activities use
identification code qualified by
ISA05 and coordinated with the VAN.

Interchange Date
[009]

Assigned by translation software.
YYMMDD

Interchange Time
[010]

Assigned by translation software.
HHMM

Code	Definition
ZZ	Mutually Defined.

ISA08 I07 Interchange Receiver Id   M   AN 15/15

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.

ISA09 I08 Interchange Date   M   DT   6/6

Date of the interchange.

ISA10 I09 Interchange Time   M   TM   4/4

Time of the interchange.

Interchange Control Standards
Identifier
[011]

| ISA11 | I10 | Interchange Control Standards Identifier | M | ID | 1/1 |

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

Interchange Control Version
Number
[012]

Version ID as defined or agreed
upon by the trading partners.

| ISA12 | I11 | Interchange Control Version Number | M | ID | 5/5 |

This version number covers the interchange control segments.

Code	Definition
00303	Draft Standard for Trial Use Approved for Publication by ASC X12 Procedures Review Board Through October 1992

Int   ange Control Number
[013]

| ISA13 | I12 | Interchange Control Number | M | NO | 9/9 |

This number uniquely identifies the interchange data to the sender. It is assigned by the sender. Together with the sender ID it uniquely identifies the interchange data to the receiver. It is suggested that the sender, receiver, and all third parties be able to maintain an audit trail of interchanges using this number.

Acknowledgement Requested
[014]

0 = no; 1 = yes

| ISA14 | I13 | Acknowledgement Requested | M | ID | 1/1 |

Code sent by th;e sender to request an interchange acknowledgement.

Test Indicator
[015]

Assigned by translation software.

Subelement Separator
[016]

Use character "<".

ISA15 **I14** **Test Indicator** **M ID 1/1**

Code to indicate whether data enclosed by this inter-
change envelope is test or production.

Code	Definition
P	Production Data
T	Test Data

ISA16 **I15** **Subelement Separator** **M AN 1/1**

This is a field reserved for future expansion in
separating data element subgroups. (In the interest
of a migration to international standards, this must
be different from the data element separator).

Segment: **GS** Functional Group Header

Usage: M

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

Comment: A. 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.

Syntax Notes: 01 The data interchange control number (GS06) in this header must be identical to the same data element in the associated Functional Group Trailer (GE02).

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
GS01	479	Functional Id Code	M ID 2/2

Code identifying a group of application related Transaction Sets.

Code	Definition
SH	856 - Ship Notice/Manifest

Functional Id Code
[020]

Choose the code value appropriate to the information content of the functional group. See X12 Dictionary for source code list.

Ref. Des.	Data Element	Name	Attributes
GS02	142	Application Sender's Code	M ID 2/12

Code identifying party sending transmission. Codes agreed to by trading partners.

Application Sender's Code
[021]

DoD activities use Department of Defense Activity Address Code (DoDAAC). Non-DoD activities use identification code assigned by DoD activity. Recommend for increased security that non-DoD code differ from that used in ISA06.

Ref. Des.	Data Element	Name	Attributes
GS03	124	Application Receiver's Code	M ID 2/12

Code identifying party receiving transmission. Codes

agreed to by trading partners.

Application Receiver's Code
[022]

DoD activities use Department of Defense Activity Address Code (DoDAAC). Non-DoD activities use identification code assigned by DoD activity. Recommend for increased security that non-DoD code differ from that used in ISA08.

| GS04 | 29 | Group Date | M | DT | 6/6 |

Date sender generated a functional group of transaction sets.

Group Date
[023]

Assigned by translation software.

| GS05 | 30 | Group Time | M | TM | 4/4 |

Time (HHMM) when the sender generated a functional group of transaction sets (local time at sender's location).

Group Time
[024   ]

Assigned by translation software.

| GS06 | 28 | Group Control Number | M | NO | 1/9 |

Assigned number originated and maintained by the sender.

Group Control Number
[025   ]

Assigned by translation software.

| GS07 | 455 | Responsible Agency Code | M | ID | 1/2 |

Code used in conjunction with Data Element 480 to identify the issuer of the standard.

Responsible Agency Code
[026   ]

Indicates that an ANSI X12 standard is being transmitted.

Code	Definition
X	Accredited Standards Committee X12

Version/Release/Industry Id
Code
[027]

Code value agreed to by trading
partners. See X12 Dictionary for
source code list.

GS08   **480**   **Version/Release/Industry Id**   **M   ID   1/12**
Code
Code indicating the version, release, subrelease and
industry identifier of the EDI standard being used.
(See X12 Dictionary)

Code   **Definition**

003030   Draft Standards Approved for Publication by ASC
X12 Procedures Review Board Through October
1992

	Segment:	**GE**	Functional Group Trailer
	Usage:	M	
	Purpose:	To indicate the end of a functional group and to provide control information	
	Comment:	A. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.	
	Syntax Notes:	01 The data interchange control number (GE02) in this trailer must be identical to the same data element in the associated Functional Group Header (GS06).	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
GE01	97	**Number of Included Sets**	M	NO	1/6
		Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element.			

Number of Segments
[028]

Assigned by the translation software.

Ref. Des.	Data Element	Name	Attributes		
GE02	28	**Group Control Number**	M	NO	1/9
		Assigned number originated and maintained by the sender.			

Group Control Number
[029]

Assigned by the translation software. This control number must match the control number of the preceding GS06 control number.

Segment:	**IEA**	Interchange Control Trailer
Usage:	M	
Pupose:		To define the end of an interchange of one or more functional groups and interchange related control segments.
Note:		The interchange control number in this trailer must match the value in the same data element in the corresponding interchange header.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
IEA01	116	**Number of Included Functional Groups**	**M**	**NO**	**1/5**

A count of the number of functional groups included in a transmission.

**Number of Included Functional Groups
[040]**

Assigned by translation software.

Ref. Des.	Data Element	Name	Attributes		
IEA02	112	**Interchange Control Number**	**M**	**NO**	**9/9**

This number uniquely identifies the interchange data to the sender. It is assigned by the sender. Together with the sender ID it uniquely identifies the interchange data to the receiver. It is suggested that the sender, receiver, and all third parties be able to maintain an audit trail of interchanges using this number.

**Interchange Control Number
[041]**

Assigned by translation software. This number must match the number that occurs in ISA13.

10.7 DoD CONVENTIONS

Overview

This chapter is the convention for the ASC X12 Transaction Set 856 Ship Notice Manifest (Version 003030) as used by the Department of Defense for accepting a ship notice manifest.

Purpose

This chapter contains all necessary information for a DoD trading partner to map and translate a Transaction Set 856. All trading partners who plan to exchange the Transaction Set 856 can use this document as a reference for the development of their EDI database/translator interface program.

Contents

One table is included in this chapter.

● Table 10.7-1, ASC X12 Transaction Set 856 Segment Hierarchy describes the 856 segments as they appear in the ASC X12 Standards Dictionary. The DoD conventions that follow are a detailed description of the Department of Defense conventions for transmitting Transaction Set 856. All segments identified as used in the Segment Hierarchy are detailed in Table 10.7-1 by segment, position, and code value.

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TABLE 10.7-1

SEGMENT HIERARCHY

ASC X12 TRANSACTION SET 856
SHIP NOTICE MANIFEST (Version 003030)

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856 Ship Notice/Manifest

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) environment. The transaction set can be used to list the contents of a shipment of goods as well as additional information relating to the shipment, such as order information, product description, physical characteristics, 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 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.

Table 1

PAGE #	POS. #	SEG. ID	NAME	REQ. DES.	MAX USE	LOOP REPEAT
3	010	ST	Transaction Set Header	M	1	
4	020	BSN	Beginning Segment for Ship Notice	M	1	
N/U	030	NTE	Note/Special Instruction	F	100	
6	040	DTM	Date/Time Reference	O	10	

Table 2

PAGE #	POS. #	SEG. ID	NAME	REQ. DES.	MAX USE	LOOP REPEAT
			LOOP ID - HL			200000
7	010	HL	Hierarchical Level	M	1	
9	020	LIN	Item Identification	O	1	
12	030	SN1	Item Detail (Shipment)	O	1	
N/U	040	SLN	Subline Item Detail	O	1000	
13	050	PRF	Purchase Order Reference	O	1	
N/U	060	PO4	Item Physical Details	O	1	
14	070	PID	Product/Item Description	O	200	
N/U	080	MEA	Measurements	O	40	
N/U	090	PWK	Paperwork	O	25	
N/U	100	PKG	Marking, Packaging, Loading	O	25	
15	110	TD1	Carrier Details (Quantity and Weight)	O	20	
N/U	120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
N/U	130	TD3	Carrier Details (Equipment)	O	12	

					O	5
N/U	140		TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5
16	150		REF	Reference Numbers	O	>1
N/U	160		PER	Administrative Communications Contact	O	3

			LOOP ID - HL/CLD			**200**
N/U	170		CLD	Load Detail	O	1
N/U	180		REF	Reference Numbers	O	200
N/U	190		MAN	Marks and Numbers	O	10
N/U	200		DTM	Date/Time Reference	O	10
N/U	210		FOB	F.O.B. Related Instructions	O	1
N/U	215		PAL	Pallet Information	O	1

			LOOP ID - HL/N1			**200**
17	220		N1	Name	O	1
N/U	230		N2	Additional Name Information	O	2
N/U	240		N3	Address Information	O	2
N/U	250		N4	Geographic Location	O	1
19	260		REF	Reference Numbers	O	12
N/U	270		PER	Administrative Communications Contact	O	3
N/U	280		FOB	F.O.B. Related Instructions	O	1
N/U	290		SDQ	Destination Quantity	O	50
N/U	300		ETD	Excess Transportation Detail	O	1
N/U	310		CUR	Currency	O	1
N/U	320		ITA	Allowance, Charge or Service	O	10
N/U	330		GF	Furnished Goods and Services	O	1

			LOOP ID - HL/LM			**10**
20	340		LM	Code Source Information	O	1
21	350		LQ	Industry Code	M	100

Table 3

PAGE #	POS. #	SEG. ID	NAME	REQ. DES.	MAX USE	LOOP REPEAT
23	010	CTT	Transaction Totals	M	1	
24	020	SE	Transaction Set Trailer	M	1	

NOTES:

2/010 The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.

3/010 Number of line items (CTT01) is the accumulation of the number of HL segments. If used, hash total (CTT02) is the sum of the value of units shipped (SN102) for each SN1 segment.

Segment: **ST** Transaction Set Header

Level: Header

Loop: ____

Mandatory

Usage: Mandatory

Max Use: 1

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

Semantic: The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).

Data Element Summary

REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set.	M	ID	3/3
	856	X12.10 Ship Notice/Manifest			
ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9

(left margin: Mandatory / Mandatory)

Implementation Note:
This is the same number that will appear in SE02.

Segment: BSN Beginning Segment for Ship Notice

Level: Header

Loop: ____

Mandatory

Usage: Mandatory

Max Use: 1

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

Syntax: C0706 — If BSN07 is present, then BSN06 is required.

Semantic: 1. BSN03 is the date the shipment transaction set is created.

2. BSN04 is the time the shipment transaction set is created.

3. BSN06 is limited to shipment related codes

Comment: BSN06 and BSN07 differentiate the functionality of use for the transaction set

Data Element Summary

REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
BSN01	353	Transaction Set Purpose Code Code identifying purpose of transaction set.	M	ID	2/2

Mandatory

00 Original

Code Value Implementation Note:
Use code "00" for the original submission of the shipment notice.

01 Cancellation

Code Value Implementation Note:
Use code "01" to cancel an original shipment notice.

02 Add

Code Value Implementation Note:
Use code "02" to add information from a previously transmitted shipment notice.

03 Delete

Code Value Implementation Note:
Use code "03" to delete information from a previously transmitted shipment notice.

04 Change

Code Value Implementation Note:
Use code "04" to change information on a previously transmitted shipment notice.

07 Duplicate

Code Value Implementation Note:
Use code "07" to send a duplicate (unaltered from the original).

17 Cancel, to be Reissued

Code Value Implementation Note:
Use code "17" in lieu of code "01" when the shipment notice is to be canceled, but will be reissued.

18 Reissue

Code Value Implementation Note:
Use code "18" when reissuing a shipment notice that had been previously canceled (using code "17").

Mandatory	BSN02	396	**Shipment Identification**	M	AN	2/30

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

Implementation Note:
The actual number of the shipment. Refer to Departmental regulations governing the composition of a shipment number.

Mandatory	BSN03	373	**Date**	M	DT	6/6

Date (YYMMDD).

Mandatory	BSN04	337	**Time**	M	TM	4/6

Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)

Not Used	BSN05	1005	**Hierarchical Structure Code**	O	ID	4/4
Not Used	BSN06	640	**Transaction Type Code**	C	ID	2/2
Not Used	BSN07	641	**Status Reason Code**	O	ID	3/3

Segment: **DTM** Date/Time Reference

Level: Header

Loop: ___

Optional   **Usage:** Optional

Max Use: 10

Purpose: To specify pertinent dates and times

Syntax: R0203 — At least one of DTM02 or DTM03 is required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time.	M	ID	3/3

Mandatory

011 Shipped

Code Value Implementation Note:
Use code "011" as the date shipped for supplies.

139 Estimated

Code Value Implementation Note:
Use code "139" as the estimated date of shipment.

198 Completion

Code Value Implementation Note:
Use code "198" for the date completed for services.

245 Estimated Completion

Code Value Implementation Note:
Use code "245" as the estimated date of completion for services.

467 Signature

Code Value Implementation Note:
Use code "467" for the date of the QA signature.

REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
DTM02	373	Date Date (YYMMDD).	C	DT	6/6
DTM03	337	Time	C	TM	4/6
DTM04	623	Time Code	O	ID	2/2
DTM05	624	Century	O	N0	2/2

Conditional (DTM02)
Not Used (DTM03)
Not Used (DTM04)
Not Used (DTM05)

Mandatory

Segment: HL Hierarchical Level

Level: Detail

Loop: HL **Repeat:** 200000

Usage: Mandatory

Max Use: 1

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

Comments: *1.* The HL Segment is used to identify levels of detail information using a Hierarchical Structure, such as relating line item data to shipment data, and packaging data to line item data.

2. The HL segment defines a top-down/left-right ordered structure.

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

4. HL02 identifies the Hierarchical ID Number of the HL segment to which the current HL segment is subordinate.

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

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

Implementation Note:
The first iteration of the "HL" loop will always be at the shipment level ("HL03" is code "S"). In this iteration of the "HL" loop, the "PRF", "TD1", "N1", and "LQ" segments will be used to convey contract/order information, shipment weight, names and addresses, and DoD codes that apply to the entire transaction set (e.g., when the FOB point is the same for all reported line items). In subsequent iterations, the "HL" loop will contain those segments necessary to convey the information for the cited level. A matrix of uses of the "HL" loop is contained at the end of this implementation convention.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
Mandatory HL01	628	**Hierarchical ID Number**	M AN 1/12
		A unique number assigned by the sender to identify a particular data segment in a hierarchical structure.	

Implementation Note:
The first iteration of the "HL" loop will carry the number "1" in "HL01." Subsequent iteration of the loop will carry a sequential number in "HL01" (e.g., 2,3,4, etc.).

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
Optional HL02	734	**Hierarchical Parent ID Number**	O AN 1/12

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

Implementation Note:
"HL02" will not be used in the first iteration of the "HL" loop but will be used in all subsequent iteration of the loop.

| Mandatory | HL03 | 735 | **Hierarchical Level Code** | M | ID | 1/2 |

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

Implementation Note:
The first iteration of the "HL" loop will be at the shipment level, (code "S"). As necessary, subsequent iterations of the loop will be at the line item (code I), sub-line item level (code IA), and if necessary, at the exhibit line item level (code EL).

> **EL** Exhibit Line Item
> **I** Item
> **IA** Subline Item
> **S** Shipment

| Optional | HL04 | 736 | **Hierarchical Child Code** | O | ID | 1/1 |

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

Implementation Note:
Use either code to ensure it is understood if there is a subordinate reporting level or not.

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

Segment: LIN Item Identification

Level: Detail

Loop: HL

Usage: Optional

Max Use: 1

Purpose: To specify basic item identification data.

Syntax:
1. C0405 — If LIN04 is present, then LIN05 is required.
2. C0607 — If LIN06 is present, then LIN07 is required.
3. C0809 — If LIN08 is present, then LIN09 is required.
4. C1011 — If LIN10 is present, then LIN11 is required.
5. C1213 — If LIN12 is present, then LIN13 is required.
6. C1415 — If LIN14 is present, then LIN15 is required.
7. C1617 — If LIN16 is present, then LIN17 is required.
8. C1819 — If LIN18 is present, then LIN19 is required.
9. C2021 — If LIN20 is present, then LIN21 is required.
10. C2223 — If LIN22 is present, then LIN23 is required.
11. C2425 — If LIN24 is present, then LIN25 is required.
12. C2627 — If LIN26 is present, then LIN27 is required.
13. C2829 — If LIN28 is present, then LIN29 is required.
14. C3031 — If LIN30 is present, then LIN31 is required.

Semantic: LIN01 is the line item identification

Comments: 1. See the Data Dictionary for a complete list of ID's.

2. LIN02 through LIN31 provide for fifteen (15) different product/service ID's for each item. For Example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
LIN01	350	**Assigned Identification**	O	AN	1/11
		Alphanumeric characters assigned for differentiation within a transaction set.			

Implementation Note:
Enter the contract line item number (CLIN) or other identifying contract item number (e.g., sub-CLIN, ELIN, etc.).

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).			

A6 Document Identification Code

Code Value Implementation Note:
Use code "A6" to qualify the MILSTRIP document number.

    FS National Stock Number

Code Value Implementation Note:
Use code "FS" to qualify the federal stock number.

    PD Part Number Description

Code Value Implementation Note:
Use code "PD" to qualify a text (noun) description of the item.

    SV Service Rendered

Code Value Implementation Note:
Use code "SV" to qualify the text description of a service rendered.

Mandatory	LIN03	234	**Product/Service ID**	M	AN	1/30
			Identifying number for a product or service.			

Implementation Notes:
1. If one exists, Provide the actual national stock number of the item being shipped. If no stock number exists, use to provide a free-form text description of the item (when the qualifier is code "PD"), or service (when the qualifier is code "SV").

2. Use one, two, or three DE 235/234 combinations only. One iteration to describe either the item or service when there is no stock number or MILSTRIP document number, two iterations when there is a stock number (one to carry the number and a second one to carry the description of the item), and three when there is a stock number, a MILSTRIP document number, and a description.

Optional	LIN04	235	**Product/Service ID Qualifier**	O	ID	2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234).			
Conditional	LIN05	234	**Product/Service ID**	C	AN	1/30
			Identifying number for a product or service.			
Optional	LIN06	235	**Product/Service ID Qualifier**	O	ID	2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234).			
Conditional	LIN07	234	**Product/Service ID**	C	AN	1/30
			Identifying number for a product or service.			
Not Used	LIN08	235	**Product/Service ID Qualifier**	O	ID	2/2
Not Used	LIN09	234	**Product/Service ID**	C	AN	1/30
Not Used	LIN10	235	**Product/Service ID Qualifier**	O	ID	2/2
Not Used	LIN11	234	**Product/Service ID**	C	AN	1/30
Not Used	LIN12	235	**Product/Service ID Qualifier**	O	ID	2/2
Not Used	LIN13	234	**Product/Service ID**	C	AN	1/30
Not Used	LIN14	235	**Product/Service ID Qualifier**	O	ID	2/2
Not Used	LIN15	234	**Product/Service ID**	C	AN	1/30
Not Used	LIN16	235	**Product/Service ID Qualifier**	O	ID	2/2
Not Used	LIN17	234	**Product/Service ID**	C	AN	1/30
Not Used	LIN18	235	**Product/Service ID Qualifier**	O	ID	2/2
Not Used	LIN19	234	**Product/Service ID**	C	AN	1/30
Not Used	LIN20	235	**Product/Service ID Qualifier**	O	ID	2/2

Not Used	LIN21	234	Product/Service ID	C	AN	1/30
Not Used	LIN22	235	Product/Service ID Qualifier	O	ID	2/2
Not Used	LIN23	234	Product/Service ID	C	AN	1/30
Not Used	LIN24	235	Product/Service ID Qualifier	O	ID	2/2
Not Used	LIN25	234	Product/Service ID	C	AN	1/30
Not Used	LIN26	235	Product/Service ID Qualifier	O	ID	2/2
Not Used	LIN27	234	Product/Service ID	C	AN	1/30
Not Used	LIN28	235	Product/Service ID Qualifier	O	ID	2/2
Not Used	LIN29	234	Product/Service ID	C	AN	1/30
Not Used	LIN30	235	Product/Service ID Qualifier	O	ID	2/2
Not Used	LIN31	234	Product/Service ID	C	AN	1/30

Optional

Segment: **SN1** Item Detail (Shipment)

Level: Detail

Loop: HL

Usage: Optional

Max Use: 1

Purpose: To specify line item detail relative to shipment

Syntax: C0506 — If SN105 is present, then SN106 is required.

Semantic: SN101 is the ship notice line item identification.

Comment: SN103 defines the unit of measurement for both SN102 and SN104.

Data Element Summary

	REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
Not Used	SN101	350	Assigned Identification	O	AN	1/11
Mandatory	SN102	382	Number of Units Shipped Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set.	M	R	1/10
Mandatory	SN103	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M	ID	2/2

Implementation Note:
Use any code. DoD unit of issue codes must be translated into their X12 code equivalents in order to ensure compliance with rules of syntax and translation into and out of EDI formats.

Not Used	SN104	646	Quantity Shipped to Date	O	R	1/9
Not Used	SN105	330	Quantity Ordered	O	R	1/9
Not Used	SN106	355	Unit or Basis for Measurement Code	C	ID	2/2
Not Used	SN107	728	Returnable Container Load Make-Up Code	O	ID	1/2
Not Used	SN108	668	Line Item Status Code	O	ID	2/2

Segment: **PRF** Purchase Order Reference

Level: Detail

Loop: HL

Usage: Optional

Max Use: 1

Purpose: To provide reference to a specific purchase order

Data Element Summary

REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
PRF01	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser.	M	AN	1/22

Implementation Note:
The purchase order or contract number, (e.g., the PIIN).

PRF02	328	Release Number Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction.	O	AN	1/30

Implementation Note:
The call or order number (e.g., the SPIIN) but not including a modification number if one exists.

PRF03	327	Change Order Sequence Number Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set.	O	AN	1/8

Implementation Note:
The contract, call or order modification number.

PRF04	323	Purchase Order Date	O	DT	6/6
PRF05	350	Assigned Identification	O	AN	1/11
PRF06	367	Contract Number	O	AN	1/30
PRF07	92	Purchase Order Type Code	O	ID	2/2

The labels in the left margin, top to bottom: Optional, Mandatory, Optional, Optional, Not Used, Not Used, Not Used, Not Used.

Optional

Segment: PID Product/Item Description

Level: Detail

Loop: HL

Usage: Optional

Max Use: 200

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

Syntax: 1. C0403 — If PID04 is present, then PID03 is required.

2. R0405 — At least one of PID04 or PID05 is required.

3. C0703 — If PID07 is present, then PID03 is required.

4. C0803 — If PID08 is present, then PID03 is required.

Semantic: 1. Use PID03 to indicate the organization that publishes the code list being referred to.

2. PID04 should be used for industry-specific product description codes.

3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item. A "N" indicates it does not apply. Any other value is indeterminate.

Comments: 1. If PID01 = "F", then PID05 is used. If PID01 = "S", then PID04 is used. If PID01 = "X", then both PID04 and PID05 are used.

2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.

3. PID07 specifies the individual code list of the agency specified in PID03.

Data Element Summary

	REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
Mandatory	PID01	349	Item Description Type Code indicating the format of a description.	M	ID	1/1
			F Free-form			
Not Used	PID02	750	Product/Process Characteristic Code	O	ID	2/3
Not Used	PID03	559	Agency Qualifier Code	C	ID	2/2
Not Used	PID04	751	Product Description Code	C	AN	1/12
Conditional	PID05	352	Description A free-form description to clarify the related data elements and their content.	C	AN	1/80

Implementation Note:
A free-form description of services when that description is too long to be carried in one iteration of a DE 234/235 pair in the "LIN" segment (e.g., when the ID qualifier is code "SV").

Not Used	PID06	752	Surface/Layer/Position Code	O	ID	2/2
Not Used	PID07	822	Source Subqualifier	O	AN	1/15
Not Used	PID08	1073	Yes/No Condition or Response Code	O	ID	1/1

Segment: TD1 Carrier Details (Quantity and Weight)

Level: Detail

Loop: HL

Usage: Optional

Max Use: 20

Purpose: To specify the transportation details relative to commodity, weight and quantity.

Syntax: *1.* C0102 — If TD101 is present, then TD102 is required.

2. C0304 — If TD103 is present, then TD104 is required.

3. C060708 — If TD106 is present, then TD107 and TD108 are required.

Data Element Summary

	REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
Not Used	TD101	103	Packaging Code	O	AN	5/5
Not Used	TD102	80	Lading Quantity	C	NO	1/7
Not Used	TD103	23	Commodity Code Qualifier	O	ID	1/1
Not Used	TD104	22	Commodity Code	C	AN	1/16
Not Used	TD105	79	Lading Description	O	AN	1/50
Optional	TD106	187	Weight Qualifier Code defining the type of weight.	O	ID	1/2

A3 Shippers Weight

	REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
Conditional	TD107	81	Weight Numeric value of weight.	C	R	1/10

Implementation Note:
The actual weight in pounds of the shipment being reported.

	REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
Conditional	TD108	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	C	ID	2/2

Implementation Note:
Use only code "LB".

LB Pound

Segment: REF Reference Numbers

Level: Detail

Loop: HL

Optional   **Usage:** Optional

Max Use: >1

Purpose: To specify identifying numbers.

Syntax: R0203 — At least one of REF02 or REF03 is required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	

Mandatory   **REF01**   128   **Reference Number Qualifier**   M   ID   2/2
Code qualifying the Reference Number.

      TG Transportation Control Number (TCN)

Conditional   **REF02**   127   **Reference Number**   C   AN   1/30
Reference number or identification number as defined for a particular
Transaction Set, or as specified by the Reference Number Qualifier.

Not Used   **REF03**   352   **Description**   C   AN   1/80

Segment: N1 Name

> **Level:** Detail
>
> **Loop:** HL/N1 **Repeat:** 200
>
> **Usage:** Optional
>
> **Max Use:** 1
>
> **Purpose:** To identify a party by type of organization, name and code
>
> **Syntax:** *1.* R0203 — At least one of N102 or N103 is required.
>
> *2.* P0304 — If either N103 or N104 is present, then the other is required.
>
> **Comment:** 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.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
N101	98	**Entity Identifier Code** Code identifying an organizational entity, a physical location, or an individual	M	ID	2/2

CJ Automated Data Processing (ADP) Point

Code Value Implementation Note:
Use code "CJ" for the contract administration ADP point;

SE Selling Party

Code Value Implementation Note:
Use code "SE" for the selling party.

ST Ship To

Code Value Implementation Note:
Use code "ST" for the ship-to address.

SV Service Performance Site

Code Value Implementation Note:
Use code "SV" for the service performance site.

Z7 Mark-for Party

Code Value Implementation Note:
Use code "Z7" for the mark-for address.

ZZ Mutually Defined

Code Value Implementation Note:
Use code "ZZ" which is defined as the name of the FOB vessel city (data maintenance has been submitted for this code addition).

N102	93	**Name** Free-form name.	C	AN	1/35

Implementation Note:
Use only when "N101" is code "ZZ".

N103	66	**Identification Code Qualifier**	C	ID	1/2

Optional *(margin)*

Mandatory *(margin)*

Conditional *(margin)*

Conditional *(margin)*

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

Implementation Notes:

1. When "N101" is code "CJ" use code "10".

2. When "N101" is code "SE" use code "33".

3. When "N101" is code "ST", "Z7", or "SV", use code "10" if the address is a DoD entity that can be described by its DODAAC, or use code "33" when describing a private sector address that has its own CAGE code.

4. When "N101" is code "ZZ" do not use.

| Conditional | N104 | 67 | Identification Code | C | AN | 2/17 |

Code identifying a party or other code.

Implementation Note:

The actual DoDAAC or CAGE code.

Segment: REF Reference Numbers

Level: Detail

Loop: HL/N1

Optional

Usage: Optional

Max Use: 12

Purpose: To specify identifying numbers.

Syntax: R0203 — At least one of REF02 or REF03 is required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
Mandatory	REF01	128	**Reference Number Qualifier** Code qualifying the Reference Number.	M ID	2/2
		VR	Vendor ID Number		
Conditional	REF02	127	**Reference Number** Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	C AN	1/30
Not Used	REF03	352	**Description**	C AN	1/80

Optional

Segment: LM Code Source Information

Level: Detail

Loop: HL/LM **Repeat:** 10

Usage: Optional

Max Use: 1

Purpose: To transmit standard code list identification information

Comment: LM02 identifies the applicable industry code list source information.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME		ATTRIBUTES	
LM01	559	**Agency Qualifier Code** Code identifying the agency assigning the code values.	M	ID	2/2

Mandatory

Implementation Note:
Use only code "DD".

DD Department of Defense

Optional

LM02	916	**Code List Reference** The reference to the code list table for the electronic form.	O	AN	1/6

Implementation Note:
Use only code "176" to represent the MILSCAP system.

Segment: LQ Industry Code

Level: Detail

Loop: HL/LM

Usage: Mandatory

Max Use: 100

Purpose: Code to transmit standard industry codes

Syntax: C0102 — If LQ01 is present, then LQ02 is required.

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			

Implementation Note:
Codes "6" and "7", the Liquidated Damages Flag and PQA Site, are used in a MILSCAP Destination Acceptance Alert. DFAS Columbus also uses code "7". Code "8" is only used by DFAS Columbus.

1 Free On Board Site Code

Code Value Implementation Note:
Use code "1" for the FOB point.

10 Transaction Status Indicator Code

Code Value Implementation Note:
Use code "10" for the Transaction Status Indicator.

14 Contract Shipment Advice Code

Code Value Implementation Note:
Use code "14" for the Contract Shipment Advice.

16 Cash Discount Stipulation Code

Code Value Implementation Note:
Use code "16" for the Cash Discount.

39 Transportation Mode or Method Code

Code Value Implementation Note:
Use code "39" for the Transportation Method.

6 Special Contract Provision Code

Code Value Implementation Note:
Use code "6" for Special Contract Provisions.

7 Quality Assurance Site Code

Code Value Implementation Note:
Use code "7" for the Quality Assurance Site.

8 Acceptance Site Code

Code Value Implementation Note:
Use code "8" for the Acceptance Site.

LQ02	1271	Industry Code	C	AN	1/20
		Code indicating a code from a specific industry code list			

Implementation Notes:
1. When "LQ01" is code "1" use code "D", "S", or "O" (MILSCAP Appendix A5).

Mandatory

Optional

Conditional

2. When "LQ01" is code "6", use code "A" or code "E" (MILSCAP Appendix A11).

3. When "LQ01" is code "7" use code "D" or code "S" (MILSCAP Appendix A14).

4. When "LQ01" is code "8" use code "D" or code "S" (MILSCAP Appendix A15).

5. When "LQ01" is code "10" use code "C", "E", "G", "H", "J", "L", "P", "Q", "S", "T", "1", or "2" (MILSCAP Appendix A22).

6. When "LQ01" is code "14" use any applicable code (MILSCAP Appendix A25).

7. When "LQ01" is code "16" use code "D" or code "N" (MILSCAP Appendix A27).

8. wher "LQ01" is code "39" use any applicable code (MILSCAP Appendix A26).

Mandatory

Segment: **CTT** Transaction Totals

Level: Summary

Loop: ____

Usage: Mandatory

Max Use: 1

Purpose: To transmit a hash total for a specific element in the transaction set

Syntax: *1.* C0304 — If CTT03 is present, then CTT04 is required.

2. C0506 — If CTT05 is present, then CTT06 is required.

Comment: This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
Mandatory CTT01	354	**Number of Line Items** Total number of line items in the transaction set.	M	NO	1/6

Implementation Note:
"CTT01" carries the total number of iterations of the "HL" loop used in the transaction set.

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
Not Used CTT02	347	Hash Total	O	R	1/10
Not Used CTT03	81	Weight	O	R	1/10
Not Used CTT04	355	Unit or Basis for Measurement Code	C	ID	2/2
Not Used CTT05	183	Volume	O	R	1/8
Not Used CTT06	355	Unit or Basis for Measurement Code	C	ID	2/2
Not Used CTT07	352	Description	O	AN	1/80

Segment: SE Transaction Set Trailer

Level: Summary

Loop: ____

Mandatory

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).

Comment: SE is the last segment of each transaction set.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		

Mandatory

SE01 96 **Number of Included Segments** M N0 1/10
Total number of segments included in a transaction set including ST and SE segments.

Implementation Note:
"SE01" carries the count of the total number of segments contained in the transaction set including the "ST" and "SE" segments.

Mandatory

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

Implementation Note:
"SE02" carries the same transaction set control number as assigned by the party originating the transaction set, as is contained in "ST02".

10.C Example - X12 Transaction Set 856 Ship Notice Manifest

This appendix contains an example of Transaction Set 856 as it is used to transmit ship notice manifest information to a DoD payment center, the Defense Finance and Accounting Service - Columbus (DFAS).

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Example - SHIP NOTICE (856) TRANSACTION SET

ASC X12 EDI FORMAT	DEFINITION
ST*856*0001 n/l	A SHIPMENT NOTICE TRANSACTION SET (USE TRANSACTION SET NUMBER 856) WITH A TRANSACTION SET CONTROL NUMBER OF 0001, ASSIGNED BY THE ORIGINATOR OF THE TRANSACTION SET.
BSN*00*ABC123Z*930115*1000 n/l	THIS IS AN ORIGINAL TRANSMISSION (USE CODE 00) OF A SHIPMENT CARRYING THE SHIPMENT NUMBER OF ABC123Z. THE TRANSACTION SET WAS PREPARED AT 10:00 AM ON JANUARY 15, 1993. THE TRANSACTION DATE IS REQUIRED BY DLMS.
DTM*011*930114 n/l	THE SHIPMENT TOOK PLACE (USE CODE 011) ON JANUARY 14, 1993.
DTM*467*930113 n/l	THE QUALITY ASSURANCE REPRESENTATIVE "SIGNED OFF" ON THE SHIPMENT (USE CODE 467) ON JANUARY 13, 1993. USED BY DFAS.
HL*1**S*1 n/l	THE FIRST HIERARCHY OF INFORMATION TO BE REPORTED (USE THE NUMBER 1) IS AT THE SHIPMENT LEVEL (USE CODE S). A SUBORDINATE HIERARCHY OF INFORMATION WILL FOLLOW (USE CODE 1).
SN1**50*EA n/l	THE SHIPMENT CONSISTED OF 50 UNITS (USE THE NUMBER 50) WITH A UNIT OF MEASUREMENT OF EACH.
PRF*DAAZ9992C1234 n/l	THE APPLICABLE CONTRACT UNDER WHICH THE SHIPMENT WAS MADE IS CONTRACT NUMBER DAAZ9992C1234.
TD1******AS*1550*LB n/l	THE SHIPMENT WEIGHT (USE CODE AS) WAS 1550 POUNDS (USE CODE LB). USED BY DFAS.
REF*TG*1234567890 n/l	THE SHIPMENT WAS MADE UNDER TRANSPORTATION CONTROL NUMBER (TCN) (USE CODE TG) 1234567890. USED BY DFAS.
N1*CJ**10*12345 n/l	THE CONTRACT ADMINISTRATION AUTOMATIC DATA PROCESSING (ADP) POINT (USE CODE CJ) FOR THE CONTRACT IS DEPARTMENT OF DEFENSE ACTIVITY ADDRESS CODE (DODAAC) (USE CODE 10) NUMBER 12345. USED BY DLMS.

N1*SE**33*24680 n/l

THE SELLING PARTY (USE CODE SE) IS IDEN-TIFIED BY THE COMMERCIAL AND GOVERN-MENT ENTITY (CAGE) CODE (USE CODE 33) OF 24680.

REF*VR*13579 n/l

THE SELLING PARTY (VENDOR) (USE CODE VR) HAS A VENDOR IDENTIFICATION NUMBER OF 13579. USED BY DFAS.

N1*ZZ*BOSTON n/l

THE LOCATION OF THE FOB VESSEL CITY. USED BY DFAS.

LM*DD*176 n/l

AN INDICATOR THAT THE CODES WHICH FOL-LOW COME FROM THE DEPARTMENT OF DEFENSE (USE CODE DD) MILSCAP (NOW THE DLMS) CODE LISTS (USE CODE 176).

LQ*1*D n/l

THE FOB POINT (USING CODE LIST NUMBER 1) IS DESTINATION (USE CODE D). USED BY DFAS.

LQ*10*J n/l

THE TRANSACTION CARRIES A STATUS CODE (USE CODE LIST NUMBER 10) INDICATING THAT THE CONTRACT WAS PHYSICALLY COM-PLETED (USE CODE J). USED BY DLMS.

LQ*14*H n/l

THE CONTRACT SHIPMENT ADVICE (USE CODE LIST NUMBER 14) INDICATES THAT THE SHIP-MENT WAS MADE AS INDICATED IN THE CON-TRACT (USE CODE H). USED BY DLMS.

LQ*16*D n/l

THE CONTRACT DISCOUNT INDICATOR (USE CODE LIST NUMBER 16) CONTAINS A DIS-COUNT (USE CODE D). USED BY DLMS.

LQ*39*A n/l

THE TRANSPORTATION METHOD (USE CODE LIST NUMBER 39) WAS BY MOTOR TRUCKLOAD (USE CODE A).

LQ*6*A n/l

THE CONTRACT CONTAINS THE SPECIAL PROVISION (USE CODE LIST NUMBER 6) KNOWN AS LIQUIDATED DAMAGES (USE CODE A). USED BY DLMS IN A DESTINATION ACCEP-TANCE ALERT).

LQ*6*E n/l

THE CONTRACT CONTAINS THE SPECIAL PROVISION (USE CODE LIST NUMBER 6) IN-DICATING THAT GFM IS APPLICABLE (USE CODE E). USED BY DFAS.

LQ*7*S n/l

CONTRACT QUALITY ASSURANCE (INSPEC-TION) (USE CODE LIST NUMBER 7) WAS AT SOURCE (ORIGIN) (USE CODE S).

LQ*8*S n/l

THE POINT OF ACCEPTANCE (USE CODE LIST NUMBER 8) WAS AT SOURCE (ORIGIN) (USE CODE S). USED BY DFAS.

HL*2*1*I*0 n/l

THE SECOND ITERATION OF THE HIERARCHY (USE THE NUMBER 2) IS SUBORDINATE TO THE SHIPMENT LEVEL (USE THE NUMBER 1). THIS ITERATION IS AT THE CONTRACT LINE ITEM LEVEL (USE CODE I) AND THERE ARE NO FOL-LOWING SUBORDINATE HIERARCHICAL LEVELS TO BE REPORTED (USE CODE 0).

LIN*0001*A6*12346*FS*6240235003579*PD*98765 n/l

THE LINE ITEM NUMBER OF THE ITEM THAT WAS SHIPPED WAS 0001. THE ITEM WAS REQUISITIONED (USE CODE A6) ON DOCUMENT NUMBER 123456; THE ITEM CARRIES A FEDERAL STOCK NUMBER (USE CODE FS) OF 6240235003579; AND THE ITEM HAS A PART NUMBER (USE CODE PD) OF 98765.

SN1**20*EA n/l

TWENTY EACH (USE CODE EA) OF LINE ITEM 0001 WERE SHIPPED.

N1*ST**10*11111 n/l

THE SHIP-TO ADDRESS (USE CODE ST) IS IDENTIFIED BY THE DODAAC (USE CODE 10) OF 11111.

N1*MF*TRANSPORTATION OFFICER n/l

THE MARK-FOR (USE CODE MF) ADDRESS IS THE TRANSPORTATION OFFICER. MARK-FOR IS USED BY DLMS.

HL*3*1*I*0 n/l

THE THIRD ITERATION OF THE HIERARCHY (USE THE NUMBER 3) IS SUBORDINATE TO THE SHIPMENT LEVEL (USE THE NUMBER 1). THIS ITERATION IS AT THE CONTRACT LINE ITEM LEVEL (USE CODE 1) AND THERE ARE NO FOLLOWING SUBORDINATE HIERARCHICAL LEVELS TO BE REPORTED (USE CODE 0)

LIN*0002*SV*REPAIR n/l

THE LINE ITEM NUMBER OF THE ITEM THAT WAS SHIPPED IS 0002. THE ITEM WAS A SERVICE (USE CODE SV) CALLED REPAIR.

SN1**30*EA n/l

THIRTY EACH (USE CODE EA) REPAIRED ITEMS OF LINE ITEM 0002 WERE SHIPPED.

PID*F****REPAIR OF DAMAGED WIDGETS n/l

LINE ITEM 0002 CALLED FOR THE REPAIR OF DAMAGED WIDGETS.

N1*ST**10*11112 n/l

THE SHIP-TO ADDRESS (USE CODE ST) IS IDENTIFIED BY THE DODAAC (USE CODE 10) OF 11112.

N1*MF*MAINTENANCE OFFICER n/l

THE MARK-FOR (USE CODE MF) ADDRESS IS THE MAINTENANCE OFFICER.

CTT*3 n/l

THERE ARE THREE ITERATIONS OF THE HL LOOP IN THE TRANSACTION SET.

SE*36*0001 n/l

THERE ARE 36 SEGMENTS CONTAINED IN THE TRANSACTION SET BEARING THE CONTROL NUMBER 0001.

NOTES:

1. The asterisk (*) symbol is used as a data element delimiter.

2. The symbol n/l (next line) is used to indicate the end of a segment.

3. The 856 implementation convention "maps" both DFAS and DLMS data element requirements. Where this example uses a data element unique to one or the other "system," the definition has been so annotated.

4. This "mapping" allows for the DLMS Acceptance Alert to be carried in the 856 transaction set.

COMPARISON OF SHIPMENT NOTICE DATA ELEMENTS

DATA ELEMENT	_	REQUIRED BY 1/	_	_	CARRIED IN
	1	2	3	4	
CONTRACT NUMBER	X	X	X	X	PRF01
CALL/ORDER NUMBER	X	X	X	X	PRF02
MODIFICATION NUMBER	X	X	X	X	PRF03
LINE ITEM NUMBER	X	X	X	X	LIN01
SHIP TO ADDRESS	X		X	X	N1
MARK FOR ADDRESS	X				N1
DATE SHIPPED	X		X	X	DTM
ESTIMATED SHIPMENT DATE	X		X	X	DTM
QUANTITY SHIPPED	X		X	X	SN102
SHIPMENT NUMBER	X	X	X	X	BSN02
MODE OF SHIPMENT	X			X	LM/LQ
CONTRACT SHIPMENT ADVICE	X	X		X	LM/LQ
STOCK NUMBER	X		X	X	LIN
DOCUMENT NUMBER	X		X	X	LIN
TRANSACTION DATE	X				BSN03
TRANSACTION STATUS INDICATOR	X	X	X		LM/LQ
PERFORMED AT ADDRESS		X			N1
DATE COMPLETED		X			DTM
ESTIMATED COMPLETION DATE		X			DTM
DESCRIPTION OF SERVICES		X			LIN AND/OR PID
CONTRACT ADMIN ADP POINT			X		N1
PURCHASE UNIT			X	X	SN103
PQA SITE			X	X	LM/LQ
LIQUIDATED DAMAGES CLAUSE FLAG			X		LM/LQ
DISCOUNT INDICATOR			X		LM/LQ
ACCEPTANCE SITE				X	LM/LQ
TRANSPORTATION CONTROL NUMBER				X	REF
FOB POINT				X	LM/LQ
GFM INDICATOR				X	LM/LQ
SHIPMENT WEIGHT				X	TD1
FOB VESSEL CITY NAME				X	N1
QAR SIGNATURE DATE				X	DTM
VENDOR IDENTIFICATION NUMBER				X	REF

NOTE:

1/ The data elements are required as follows:
   1 - Contained in the DLMS Shipment Performance Notice Supplies Line Item record.
   2 - Contained in the DLMS Shipment Performance Notice Services Line Item record.
   3 - Contained in the DLMS Acceptance Alert record.
   4 - Required by DFAS.