Department
of
Defense

DoD Transportation Electronic Business (DTEB) Convention

ASC X12 Transaction Set 858 Shipment Information (Version 004010) – TCMD

VERSION 6

January 2017

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Section 1.0

INTRODUCTION

This implementation convention (IC) describes the standard or convention the Department of Defense will use to process Transportation Control and Movement Data and Manifests Lading using the ASC X12 Transaction Set 858 Shipment Information (Version 004010) in support of the Defense Transportation community's Electronic Business (DTEB) program. The copyright on the ASC X12 standards is held by the Data Interchange Standards Association on behalf of ASC X12.

For further information about the DTEB program, to obtain DoD conventions or *ASC* X12 guidance or to recommend DoD conventions or *ASC* X12 maintenance, contact the following:

United States Transportation Command
TCJ6-S
508 Scott Drive
Scott Air Force Base, IL 62225-7001

For the most recent publication, go to the World-Wide Web at

https://its.ustranscom.mil/cris/dteb/index.cfm

[Note: To access the publication, you must have an Information Tool Suite (ITS) account.]

Who Needs to Use This Document

Computer programmers use this document to identify the data requirement for populating an EDI transaction.

Why Use a Convention

A convention defines the rules for populating an EDI transaction. Following a convention ensures that trading partners will encounter fewer data quality problems during development and maintenance of EDI systems.

Contents

Additional sections are included in this document.

- Section 2.0, Control Segments, identifies the specific data requirements for formatting the EDI interchange control segments that envelop all EDI transactions.

- Section 3.0, Standard Implementation Convention, lists the layout of the target transaction set by segment and data element. Identified along side each transaction set data element is the IC Element Matrix index number from Section 4.0.

- Section 4.0, IC Element Matrix, identifies the application data elements trading partners need to exchange. This section can be used to map an existing application database into the transaction set.

- Section 5.0 , when present, contains an example of the EDI transactions.

- Section 6.0, Application Code Lists, when present, identifies the DoD codes that trading partners need to exchange. This section augments the matrix presented in Section 4.0.

- Other sections contain examples of hard copy documents, examples of EDI transaction sets, segment looping logic tables, and other items that serve as references for software developers.

What's New In Version 6

Added in Version 6

DM Number	DM Description	Approval Date
1248	In the 858B at indices 141-02 and 178-02 - Type of Personal Property Shipment Codes, remove the code list and add user note that reads: "Select the applicable Personal Property Shipment Code from the TRANSCOM Reference Data Management table Personal Property Shipment-Unit TCN Type Code (Part II, Appendix L). (D_PRSNL_PRPRTY_S2_CD), mirrored at http://www.ustranscom.mil/cmd/associated/dteb/files/refdata/V_D_PRSNL_PRPRTY_S2_CD.htm" In the 858M at indices 180-02 and 219-02 - Type of Personal Property Shipment Codes, remove the existing user note and replace with user note that reads: "Select the applicable Personal Property Shipment Code from the TRANSCOM Reference Data Management table Personal-Property-Shipment_Unit TCN Type Code Domain (D_PRSNL_PRPRTY_S2_CD), mirrored at http://www.ustranscom.mil/cmd/associated/dteb/files/refdata/V_D_PRSNL_PRPRTY_S2_CD.htm"	1/17/2017

Added in Version 5

DM Number	DM Description	Approval Date
1218	In the L007, DE184 at index [191-07] in data group 9801 remove the code N - Cubic Inches and add the code E - Cubic Feet	3/14/2016

Added in Version 4

DM Number	DM Description	Approval Date
1098	In data group 9013, at index 160 add new occurrence of N9 segment as 'Conditional' with DOD data name of "N9 SEGMENT - Direct-Booked Container Voyage Document Number". Add segment condition note that reads: "Used for Direct-Booked container shipments". In data group 9013, at position 160-01 add new N901, data element 128 as 'Mandatory', ID, 2/2 with DOD data name of "Voyage Document Number Qualifier". Add code value 'V3 - Voyage Number' with usage note that reads: "Use 'V3' to denote Military Voyage Number". In data group 9013, at position 160-02 add new N902, data element 127 as 'Mandatory', AN, 5/5 with DOD data name of "Military Voyage Number". Add usage note that reads: "Enter the military assigned Voyage Number under which the Direct-Booked container is moving". In data group 9013, at position 160-03 add new N903, data element 369 as 'Mandatory', AN, 4/4 with DOD data name of "Voyage Document Year". Add usage note that reads: "Enter the four digit year associated to the Voyage Document Number".	3/29/2013
1097	In data group 9013, at index 159 add new occurrence of N9 segment as 'Conditional' with DOD data name of "N9 SEGMENT - Direct-Booked Container Declared Value". Add segment condition note that reads: "Used for Direct-Booked container shipments". In data group 9013, at position 159-01 add new N901, data element 128 as 'Mandatory', ID, 2/2 with DOD data name of "Declared Value Qualifier". Add code value 'PR - Price Quote Number' with usage note that reads: "Use 'PR' to denote Declared Value". In data group 9013, at position 159-02 add new N902, data element 127 as 'Mandatory', N0, 4/10 with DOD data name of "Declared Value". Add usage note that reads: "Enter the declared value of the Direct-Booked cargo. This field is expressed as a dollar amount and contains an explicit decimal point in the third position from the right to express cents. The decimal point must be present and is considered a character in the maximum field length".	3/29/2013
1096	In data group 9013, at index 158 add new occurrence of N9 segment as 'Conditional' with DOD data name of "N9 SEGMENT - Direct-Booked Container Booking Number". Add segment condition note that reads: "Used for Direct-Booked container shipments". In data group 9013, at position 158-01 add new N901, data element 128 as 'Mandatory', ID, 2/2 with DOD data name of "Booking Number Qualifier". Add code value 'BN - Booking Number'. In data group 9013, at position 158-02 add new N902, data element 127 as 'Mandatory', AN, 1/15 with DOD data name of "Booking Number". Add usage note that reads: "Enter the booking number under which the Direct-Booked container is moving".	3/29/2013

1095	In data group 9013, at index 157 add new occurrence of N9 segment as 'Conditional' with DOD data name of "N9 SEGMENT - Direct-Booked Container Contract Number". Add segment condition note that reads: "Used for Direct-Booked container shipments". In data group 9013, at position 157-01 add new N901, data element 128 as 'Mandatory', ID, 2/2 with DOD data name of "Contract Number Qualifier". Add code value 'CT - Contract Number'. In data group 9013, at position 157-02 add new N902, data element 127 as 'Mandatory', AN, 1/30 with DOD data name of "Contract Number". Add usage note that reads: "Enter the contract number under which the Direct-Booked container is moving".	3/29/2013

Added in Version 3

DM Number	DM Description	Approval Date
1042	1) At index 166: Change the description (name) of the (existing) NTE segment to "RFID Tag Serial Number"; and Change the SEGMENT CONDITION to read: SEGMENT CONDITION: "Use to indicate the tag serial number when an RFID tag is attached." 2) At index 166-01: Change the description of the element to: "RFID Tag Serial Number Qualifier"; Add a new qualifier code, "PID Property Improvement Description", with DoD attributes: Mandatory, ID 3/3; and Add the corresponding User note: "Use 'PID' to denote passive RFID tag serial number." 3) At Index 166-02: Change the description of the element to: "RFID Tag Serial Number", and Change the user note to say: "Enter the RFID tag serial number used for in-transit visibility tracking of the tag."Improvement Description" with usage note that reads: "Use 'PID' to denote Passive RFID Tag Serial Number." Change data element 352 at index 167-02 element description to reads: "Enter the Passive RFID tag serial number used for in transit visibility tracking of the tag."	4/2/2012

Added in Version 2

DM Number	DM Description	Approval Date
1021	At index 57-01, N901, Consignee Distribution (CDIST) Code Qualifier, replace code value 'QN - Stop Sequence Number' with code value '6A - Consignee Reference Number' with DOD definition "Use '6A' to denote Consignee Distribution (CDIST) Code Qualifer".	8/8/2011

Added in Version 1

DM Number	DM Description	Approval Date
1014	The second and third bytes of the codes beginning with N, E, S and X have significance to the Supply Community. Current implemenation limiting values to 'NNN' and 'EEE' are too restrictive and do not allow Supply operations to take full advantage of the implementation of the Special Requirements codes.	6/10/2011
1010	Add the contact information (Submitterýs name, phone number and e-mail) of the person submitting the ATCMD as conditional data elements/segments to the 858B IC. Recommend that the PER segment(s) at position 120 of Table 1 of the 858 be used for this purpose.	5/17/2011
896	Index 187 NTE SEGMENT - ONWARD MODE/METHOD 187-02:documents the attribute as AN 1/1. TMDS documents the use of 1/2 position X12 TRANSPORTATION METHOD CODES.	4/8/2011

Section 2.0

CONTROL SEGMENTS

Overview

This section describes the EDI control segments (interchange control and functional group segments). The control segment information was derived from the *ASC* X12 Standards Version 4 Release 1 (004010).

Purpose

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

Contents

The complete 004010 version/release control segments includes an Interchange Control Segment Hierarchy on page 2.3, which identifies the control segments in their order of occurrence in an EDI communications interchange.

Beginning on page 2.5 are Department of Defense (DoD) Convention *ASC* X12 Control Segments, which present a detailed description of DoD data conventions for formatting Interchange Control and Functional Group segments for use among Defense Transportation Electronic Business (DTEB) trading partners.

Special Instructions

Any unique eight-bit (byte) character may serve as data element separator, segment terminator, or component element separator, provided each character is disjoint from all data elements within an interchange and that these values do not conflict with telecommunications protocols necessary to the transmission of the interchange. The following recommended values conform to information published in Electronic Data Interchange, X12 Standards, Interchange Control Structures, Section 4.3, Delimiter Specifications.

DATA ELEMENT SEPARATOR

While the data element separator is graphically displayed as an asterisk (*) or a tilde (~) in *ASC* X12 documentation, it is the value employed in the fourth byte of an interchange envelope that actually assigns the separator that the translators will use throughout an interchange. Any unique eight-bit (byte) character may serve as data element separator, segment terminator, or component element separator, provided each character is disjoint from all data elements within an interchange and that these do not conflict with telecommunications protocols necessary to the transmission of the interchange.

ASC X12 recommends the ASCII character with hexadecimal value “1D” for use as the data element separator (gs). These values conform to information published in Electronic Data Interchange, X12 Standards, Interchange Control Structures, Section 4.3, Delimiter Specifications.

SEGMENT TERMINATOR

Likewise, the control envelope establishes the byte value used for segment termination within an interchange. *ASC* X12 documentation usually portrays this as a new line (n/l character, but the actual segment terminator for an interchange will be the byte value occurring immediately following the ISA16 segment. *ASC* X12 recommends the ASCII character with hexadecimal value “1C” for use as the segment (fs) terminator.

COMPONENT ELEMENT SEPARATOR

The ISA segment provides a discrete element (ISA16) for defining the component element separator within an interchange. The component element separator is a delimiter used to separate component data elements within a composite data structure. It must be different than the data element separator and the segment terminator. *ASC* X12 recommends the ASCII character with hexadecimal value “1F” for use as the component element separation (us) character.

GS01 CODE VALUE

Use the appropriate code value from data element 479 in GS01 of the control envelope for indicating the transaction set being transmitted. For example, to exchange an implementation convention for Transaction Set 858, the correct code value for GS01 is ‘SI’ denoting Shipment Information (858).

X12 PUBLICATION

See *ASC* X12 Electronic Data Interchange X12 Draft Version 4 Release 1 Standards, Document Number: *ASC X12S/97-372*, for complete 004010 version/release control segment specifications.

Interchange Control Envelope Control Segments

Usage	Seg ID	Name	Req	Des	Max Use
Must Use	ISA	Interchange Control Header	M		1
Must Use	GS	Functional Group Header	M		1
Must Use	• ST - SE	Grouped Transactions			
Must Use	• ST - SE	Grouped Transactions			
Must Use	• ST - SE	Grouped Transactions			
Must Use	GE	Functional Group Trailer	M		1
Must Use	GS	Functional Group Header	M		1
Must Use	• ST - SE	Grouped Transactions			
Must Use	• ST - SE	Grouped Transactions			
Must Use	• ST - SE	Grouped Transactions			
Must Use	GE	Functional Group Trailer	M		1
Must Use	IEA	Interchange Control Trailer	M		1

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Segment: ISA Interchange Control Header

Usage: Mandatory

Max Use: 1

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

DATA ELEMENT SUMMARY

	Ref Des	Data Element	Name	Attributes
M	**ISA01**	**I01**	**Authorization Information Qualifier** Code to identify the type of information in the Authorized Information **Code** — **Definition** 00 — No Authorization Information Present (No Meaningful Information in I02)	**M ID 2/2**
M	**ISA02**	**I02**	**Authorization Information** Information used for additional clarification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01) For code value ‘00’ in ISA01, fill with zeros.	**M AN 10/10**
M	**ISA03**	**I03**	**Security Information Qualifier** Code to identify the type of information in the Security Information **Code** — **Definition** 00 — No Security Information Present (No Meaningful Information in I04)	**M ID 2/2**
M	**ISA04**	**I04**	**Security Information** 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). For code value ‘00’ in ISA03, fill with zeros.	**M AN 10/10**

M	**ISA05**	**I05**	**Interchange ID Qualifier** Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified Select appropriate code value for sender from 4010 X12 code list for data element I05. For Department of Defense Agency Address Code (DoDAAC) use code value ‘10’.	**M**	**ID**	**2/2**
M	**ISA06**	**I06**	**Interchange Sender ID** 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. DoD activities use DoDAAC or other code coordinated with trading partners. Non-DoD activities use identification code qualified by ISA05 and coordinated with network value added network (VAN) Administrator.	**M**	**AN**	**15/15**
M	**ISA07**	**I05**	**Interchange ID Qualifier** Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified Select appropriate code value for receiver from 4010 X12 code list for data element I05. For DoDAAC use code value ‘10’.	**M**	**ID**	**2/2**
M	**ISA08**	**I07**	**Interchange Receiver ID** 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. DoD activities use DoDAAC or other code coordinated with trading partners. Non-DoD activities use identification code qualified by ISA05 and coordinated with VAN Administrator.	**M**	**AN**	**15/15**

M ISA09 I08 Interchange Date M DT 6/6
Date of the interchange

Date in YYMMDD format assigned by translation software

M ISA10 I09 Interchange Time M DT 4/4
Time of the interchange

Time in HHMM format assigned by translation software

M ISA11 I10 Interchange Control Standards 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

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

M ISA12 I11 Interchange Control Version Number M ID 5/5
This version number covers the interchange Control segments.

Code	Definition
00401	Draft Standards for Trial Use Approved for Publication by ASC 12 Procedures Review Board through October 1997

Version/release of control segment, as agreed upon by the trading partners

M ISA13 I12 Interchange Control Number M N0 9/9
A control number assigned by the interchange sender

Number assigned by translation software. The sender, receiver, and all third parties should be able to maintain an audit trail of interchanges using this number.

M ISA14 I13 Acknowledgment Requested M ID 1/1
Code sent by the sender to request an interchange acknowledgment (TA1)

Code	Definition
0	No Acknowledgment Requested
1	Interchange Acknowledgment Requested

Send code agreed upon by trading partners.

M ISA15 I14 Usage Indicator M ID 1/1

Code to indicate whether data enclosed by this interchange envelope is test, production, or information

Code	Definition
I	Information
P	Production Data
T	Test Data

Use code value as agreed upon by trading partners.

M ISA16 I15 Component Element Separator AN 1/1

Type is not applicable; the component element separator is a delimiter and not a data element; 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.

ASC X12 recommends the use of ASCII character whose hexagonal value is ‘1F’as the component element separation character

Segment: GS Functional Group Header

Usage: Mandatory

Max Use: 1

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

DATA ELEMENT SUMMARY

	Ref Des	Data Element	Name	Attributes
M	**GS01**	**479**	**Functional Identifier Code** Code identifying a group of application related transaction sets Use the appropriate code value from data element 479 in GS01 of the control envelope for indicating the transaction set being transmitted. For example, to exchange an implementation convention for Transaction Set 858, the correct code value for GS01 is 'SI' denoting Shipment Information (858).	**M ID 2/2**
M	**GS02**	**142**	**Application Sender's Code** Code identifying party sending transmission; codes agreed to by trading partners Typically, a sender will use different codes here to uniquely identify each implementation convention (IC) for a particular transaction set. DoD activities use DoDAAC or other code coordinated with trading partners. Non-DoD activities use identification code assigned by DoD, which for increased security should differ from that used in ISA06.	**M AN 2/15**
M	**GS03**	**124**	**Application Receiver's Code** Code to identify the type of information in the Security Information DoD activities use DoDAAC or other code coordinated with trading partners. Non-DoD activities use identification code assigned by DoD, which for increased security should differ from that used in ISA08	**M AN 2/15**

M GS04 373 Date M DT 8/8
Date expressed as CCYYMMDD.
Information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)

Date assigned by translation software

M GS05 337 Time M TM 4/8
Time expressed in 24-hour clock time as follows: HHMM or HHMMSS, or HHMMSSD, or HHMMSSDD, where H – hours (00-23), M = minutes (00-59), S = integer seconds (00-59),and D = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Time expressed in HHMM format assigned by translation software

M GS06 28 Group Control Number M N0 1/9
Assigned number originated and maintained by the sender

Number assigned by translation software. The sender, receiver, and all third parties should be able to maintain an audit trail of interchanges using this number.

M GS07 455 Responsible Agency Code M ID 1/1
Code used in conjunction with Data Element 480 to identify the issuer of the standard.

Code	Definition
X	Accredited Standards Committee X12

M GS08 480 Version / Release / Industry Identified Code M AN 6/6
Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by the user), if code in DE455 in GS segment is T, then other formats are allowed.

Code	Definition
004010	Draft Standard Approved for Publication by ASC X12 Procedures Review Board through October 1997

This is the version/release for all transactions within a functional group. See X12 4010 Dictionary for source code list. Note: optional positions 7-12 are not used by the DTEB community.

Segment: GE Functional Group Trailer

Usage: Mandatory

Max Use: 1

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

DATA ELEMENT SUMMARY

	Ref Des	Data Element	Name	Attributes
M	**GE01**	**97**	**Number of Transaction Sets Included** Total number of segments included in a transaction set including ST and SE segments Number assigned by translation software	**M N0 1/6**
M	**GE02**	**28**	**Group Control Number** Assigned number originated and maintained by the sender Number assigned by the translation software. This control number matches the control number that occurs in GS06.	**M N0 1/9**

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Segment: IEA Interchange Control Trailer

Usage: Mandatory

Max Use: 1

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

DATA ELEMENT SUMMARY

	Ref Des	Data Element	Name	Attributes
M	**IEA01**	**I16**	**Number of Included Functional Groups** A count of the number of functional groups included in an interchange Number calculated by translation software	**M N0 1/6**
M	**IEA02**	**I12**	**Interchange Control Number** A control number assigned by the interchange sender Number assigned by translation software. This number must match that occurring in ISA13.	**M N0 9/9**

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Section 3.0

STANDARD IMPLEMENTATION CONVENTION

This section presents the DoD's convention for interpreting the Transportation Control and Movement Document and Manifests using the ASC X12.18 Transaction Set 858 Shipment Information Version 004010.

Symbols that appear in the Data Element Summary to the left of each segment reference designator (Ref. Des.) define implementation convention usage for the DoD. These designations may differ from X12 convention attributes appearing in the right-hand column of the Data Element Summary and should be interpreted as follows:

[*blank*] - Segment or data element may be used optionally

M - X12 standards designate mandatory use of segment or data element

>> - Segment or data element is mandatory for DTEB use

X - Segment or data element is not used.

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858 Shipment Information

Functional Group ID=SI

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Shipment Information Transaction Set (858) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide the sender with the capability to transmit detailed bill-of-lading, rating, and/or scheduling information pertinent to a shipment. This transaction set can also be used to exchange Government Bills of Lading (GBLs), Commercial Bills of Lading (CBLs), Transportation Control and Movement Documents (TCMDs), and Personal Property Government Bills of Lading (PPGBLs). It may be used by the U.S. Civilian Government, U.S. Department of Defense, and any of their trading partners to exchange information about the shipment of freight, household goods, and passengers. This transaction set fulfills information requirements established by U.S. Government transportation movement rules and regulations.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
Not Used	020	ZC1	Beginning Segment for Data Correction or Change	O	1		
M	030	BX	General Shipment Information	M	1		n1
Not Used	040	BNX	Rail Shipment Information	O	1		
Not Used	050	M3	Release	O	1		
	060	N9	Reference Identification	O	30		
Not Used	065	CM	Cargo Manifest	O	3		
Not Used	070	Y6	Authentication	O	4		
Not Used	080	Y7	Priority	O	1		
	090	C3	Currency	O	1		
Not Used	100	ITD	Terms of Sale/Deferred Terms of Sale	O	1		
Not Used	110	G62	Date/Time	O	10		
	120	PER	Administrative Communications Contact	O	3		
Not Used	130	NA	Cross-Reference Equipment	O	999		
Not Used	140	F9	Origin Station	O	1		
Not Used	150	D9	Destination Station	O	1		
Not Used	160	R1	Route Information (Air)	O	1		
Not Used	170	R2	Route Information	O	13		
Not Used	175	R3	Route Information - Motor	O	13		
Must Use	180	R4	Port or Terminal	O	5		
Not Used	190	MEA	Measurements	O	10		
Not Used	200	H3	Special Handling Instructions	O	20		
Not Used	201	PS	Protective Service Instructions	O	5		
Not Used	210	H6	Special Services	O	6		
Not Used	211	V4	Cargo Location Reference	O	1		
Not Used	212	V5	Vessel Code	O	1		

			LOOP ID - E1			2
Not Used	220	E1	Empty Car Disposition - Pended Destination Consignee	O	1	
Not Used	230	E4	Empty Car Disposition - Pended Destination City	O	1	
Not Used	240	E5	Empty Car Disposition - Pended Destination Route	O	13	
Not Used	245	PI	Price Authority Identification	O	1	
Not Used	250	M1	Insurance	O	1	
Not Used	260	M2	Sales/Delivery Terms	O	1	
Not Used	270	L7	Tariff Reference	O	30	
Not Used	280	NTE	Note/Special Instruction	O	50	
Not Used	290	XH	Pro Forma - B13 Information	O	1	
			LOOP ID - N7			600
Not Used	330	N7	Equipment Details	O	1	
Not Used	331	EM	Equipment Characteristics	O	1	
Not Used	335	NA	Cross-Reference Equipment	O	30	
Not Used	340	M7	Seal Numbers	O	5	
Not Used	350	N5	Equipment Ordered	O	1	
Not Used	360	REF	Reference Identification	O	5	
Not Used	370	IC	Intermodal Chassis Equipment	O	1	
Not Used	375	VC	Motor Vehicle Control	O	21	
Not Used	380	GA	Canadian Grain Information	O	15	
			LOOP ID - E1			2
Not Used	381	E1	Empty Car Disposition - Pended Destination Consignee	O	1	
Not Used	382	E4	Empty Car Disposition - Pended Destination City	O	1	
Not Used	383	E5	Empty Car Disposition - Pended Destination Route	O	13	
Not Used	384	PI	Price Authority Identification	O	1	
			LOOP ID - N1			12
Not Used	390	N1	Name	O	1	
Not Used	400	N2	Additional Name Information	O	2	
Not Used	410	N3	Address Information	O	2	
Not Used	420	N4	Geographic Location	O	1	
Not Used	430	REF	Reference Identification	O	12	
Not Used	440	PER	Administrative Communications Contact	O	3	
Not Used	445	H3	Special Handling Instructions	O	5	
			LOOP ID - S5			999
Not Used	450	S5	Stop-off Details	O	1	
Not Used	460	G62	Date/Time	O	6	
Not Used	470	N9	Reference Identification	O	10	
Not Used	480	H6	Special Services	O	6	
			LOOP ID - N1			5
Not Used	490	N1	Name	O	1	
Not Used	500	N2	Additional Name Information	O	2	
Not Used	510	N3	Address Information	O	2	
Not Used	520	N4	Geographic Location	O	1	
Not Used	530	REF	Reference Identification	O	12	
Not Used	540	PER	Administrative Communications Contact	O	3	

			LOOP ID - FA1			>1	
Not Used	550	FA1	Type of Financial Accounting Data	O	1		
Not Used	560	FA2	Accounting Data	M	>1		
Not Used	570	L10	Weight	O	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - HL			>1	
M	010	HL	Hierarchical Level	M	1		
Must Use	020	N7	Equipment Details	O	1		
Not Used	030	NA	Cross-Reference Equipment	O	1		
	040	M7	Seal Numbers	O	5		
	050	N5	Equipment Ordered	O	1		
Must Use	060	REF	Reference Identification	O	5		
Not Used	070	IC	Intermodal Chassis Equipment	O	1		
	080	VC	Motor Vehicle Control	O	24		
	090	L7	Tariff Reference	O	10		
Not Used	095	SL1	Tariff Reference	O	1		
Must Use	100	N9	Reference Identification	O	10		
	105	H3	Special Handling Instructions	O	1		
Not Used	110	X1	Export License	O	6		
Not Used	120	X2	Import License	O	1		
	130	L5	Description, Marks and Numbers	O	10		
Not Used	131	PER	Administrative Communications Contact	O	5		
Not Used	132	LH2	Hazardous Classification Information	O	6		
Not Used	133	LHR	Hazardous Material Identifying Reference Numbers	O	1		
Not Used	134	LH6	Hazardous Certification	O	5		
	137	Y7	Priority	O	2		
	138	G62	Date/Time	O	10		
Must Use	140	NTE	Note/Special Instruction	O	100		
Not Used	142	LP	Load Planning	O	1		
Not Used	143	AXL	Vehicle Axle Measurements	O	12		
			LOOP ID - L0			20	
Must Use	145	L0	Line Item - Quantity and Weight	O	1		
Not Used	150	L1	Rate and Charges	O	20		
Must Use	160	MEA	Measurements	O	10		
			LOOP ID - LH1			100	
	170	LH1	Hazardous Identification Information	O	1		
	180	LH2	Hazardous Classification Information	O	4		n2
	190	LH3	Hazardous Material Shipping Name	O	12		
	191	LFH	Freeform Hazardous Material Information	O	20		
Not Used	192	LEP	EPA Required Data	O	3		
Not Used	200	LH4	Canadian Dangerous Requirements	O	1		
Not Used	201	LHT	Transborder Hazardous Requirements	O	3		
	210	LHR	Hazardous Material Identifying Reference Numbers	O	10		n3
Not Used	215	PER	Administrative Communications Contact	O	5		
Not Used	220	LHE	Empty Equipment Hazardous Material Information	O	1		n4

			LOOP ID - FA1			>1
Must Use	230	FA1	Type of Financial Accounting Data	O	1	
M	240	FA2	Accounting Data	M	>1	
Not Used	250	L10	Weight	O	1	
			LOOP ID - NM1			4
Must Use	260	NM1	Individual or Organizational Name	O	1	
	270	N3	Address Information	O	2	
Not Used	280	N4	Geographic Location	O	1	
			LOOP ID - N1			4
Must Use	290	N1	Name	O	1	
Not Used	300	N2	Additional Name Information	O	2	
Not Used	310	N3	Address Information	O	2	
Not Used	320	N4	Geographic Location	O	1	

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Not Used	010	L3	Total Weight and Charges	O	1		
M	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. BX05 contains the Standard Carrier Alpha Code (SCAC) of the original roadhaul carrier receiving the shipment.

2. If the hazardous endorsement (LH204) is "NONE", then use of LH204 is mandatory. However, the receiver must consider it to be blanks when printing a paper document.

3. All receivers of the EDI transactions covering empty tank cars which last contained hazardous commodities must be able to add the constant words: RESIDUE: LAST CONTAINED ahead of the contents of LHE01 and add the constant: RESIDUE following the contents of the LHE02 when printing paper documents.

4. When used in the hazardous material loop, the segment will identify the various certification, exemption or shipper-related numbers that relate to the specific line item of the shipment that are in addition to the UN/UA number reference in the LH1 segment.

Segment: **ST** **Transaction Set Header**
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: **1** The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:
Business Rules: Variable Name: STST
Notes: [1] ST SEGMENT - TCMD Header (DG 10)
Only one of the included BX segments applies. Depending upon manner of containerization for the shipment, choose DataGroup (DG) 1000 for single shipment units, DG 2000 for consolidated shipments loaded into SEAVAN/RORO/463L, or DG 3000 for other shipment unit consolidations.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**ST01**	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set [1-01] Transaction Set Identifier Code (DG 10) 858 Shipment Information [1-01] Shipment Information	**M**	**ID 3/3**
M	**ST02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set [1-02] Transaction Set Control Number (DG 10) Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set. The application and structure of the control number must be agreed upon between trading partners. (For example, the first five digits might indicate a group control number, with the last four digits representing the sequence of the transaction set within the functional group. Otherwise, the entire nine digit field may simply represent the sequence of the transaction set generated by a trading partner.)	**M**	**AN 4/9**

Segment: **BX** **General Shipment Information**
Position: 030
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To transmit identification numbers and other basic shipment data
Syntax Notes:
Semantic Notes:
Comments:
Notes: [2] BX SEGMENT - Single Shipment Unit (T_0/1) (DG 1000)
Populate 858 Table 1 following DG 1000 references if the first DIC in the TCMD is a T_0 or T_1 (or R_0/1 for simulated mobilization exercises). Note that T_0/1/4 DICs are described by T_0 (DG 1000) records. Populate HL loops following DG 1001.
SEGMENT CONDITION: ONE AND ONLY ONE BX SEGMENT MUST BE USED FOR THE 858B TRANSACTION SET. Use this segment and all applicable DG 1000 entries for a TCMD for a single shipment unit.
[8] BX SEGMENT - SEAVAN/RORO/463L Shipment Unit (T_2) (DG 2000)
Populate 858 Table 1 following DG 2000 references if the first DIC in the TCMD is T_2. In addition, populate the first occurrence of HL loops following DG 2001, 2014, and 2015 references. Additional occurrences may be populated following DG 1001 and DG 3001.
SEGMENT CONDITION: ONE AND ONLY ONE BX SEGMENT MUST BE USED FOR THE 858B TRANSACTION SET. Use this segment and all applicable DG 2000 entries for a TCMD for a TCMD for a SEAVAN/RORO/463L shipment unit.
[14] BX SEGMENT - Other Consolidations (T_3) (DG 3000)
Populate 858 Table 1 following DG 3000 references if the first DIC in the TCMD is a T_3 describing a consolidation of shipment units other than SEAVAN/RORO/463L. Populate the first HL loop occurrence following DG 3001 and DG 3014 references.
SEGMENT CONDITION: ONE AND ONLY ONE BX SEGMENT MUST BE USED FOR THE 858B TRANSACTION SET. Use this segment and all applicable DG 3000 entries for a consolidation of surface or air shipment units (other than a SEAVAN/RORO/463L shipment unit).

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**BX01**	**353**	**Transaction Set Purpose Code** Code identifying purpose of transaction set [2-01] TCMD Purpose Code for Single Shipment Units (DG 1000) Use in lieu of the transportation priority code when deleting or canceling the TCMD. See DTR Table M-2. [8-01] TCMD Purpose Code for SEAVAN/RORO/463L Shipment Units (DG 2000) Use in lieu of the transportation priority code when deleting or canceling the TCMD. See DTR Table M-4, M-5, or M-6. [14-01] TCMD Purpose Code for Other Consolidations (DG 3000) Use in lieu of the transportation priority code when deleting or canceling the TCMD. See DTR Table M-7.	**M ID 2/2**
			00 Original [2-01] Original [8-01] Original [14-01] Original	
			03 Delete [2-01] Delete [8-01] Delete [14-01] Delete	

			04	Change [2-01] Change [8-01] Change [14-01] Change		
M	**BX02**	**91**	**Transportation Method/Type Code** Code specifying the method or type of transportation for the shipment [2-02] Mode/Method to POE Code (DG 1000) Translate the one-position DTR mode/method code to a valid X12 code. This code value indicates the mode/method used to deliver the shipment unit to the POE. Use any code as appropriate. However, in accordance with DM 753, when using code value 'J', use it to denote Motor, Truckload.In cases where the shipment goes to a consolidation and containerization point (CCP), enter code value 'ZZ' to satisfy X12 syntax requirement. SOURCE: DTR Table M-2, M-3, or M-8. [8-02] Mode/Method to POE Code (DG 2000) Translate the one-position DTR mode/method code to a valid X12 code. This code value indicates the mode/method used to deliver the shipment unit to the POE. DTR allows this field to be left blank (for example, when the container is stuffed at the port). In those cases where data is not required for this element, enter code value 'ZZ' to satisfy X12 syntax requirements. See DTR Table M-4, M-5, or M-6. [14-02] Mode/Method to POE Code (DG 3000) Translate the one-position DTR mode/method code to a valid X12 code. This code value indicates the mode/method used to deliver the shipment unit to the POE. See DTR Table M-7. In cases where the shipment does not go to a POE, enter code value 'ZZ' to satisfy X12 syntax requirement.		**M**	**ID 1/2**
			6	Military Official Mail [2-02] Military Official Mail [8-02] [14-02]		
			7	Mail Type of transportation provided by the U.S. Postal Service [2-02] Mail [8-02] [14-02]		
			A	Air [2-02] Air [8-02] [14-02]		
			AC	Air Charter [2-02] Air Charter [8-02] [14-02]		
			AE	Air Express [2-02] Air Express [8-02] [14-02]		
			AF	Air Freight [2-02] Air Freight [8-02] [14-02]		

AH	Air Taxi FAA approved carrier utilizing a 1 or 2 engine aircraft for on demand service [2-02] Air Taxi [8-02] [14-02]
AR	Armed Forces Courier Service (ARFCOS) A military organization whose mission involves the receipt, movement, and delivery of special categories of material [2-02] Armed Forces Courier Service (ARFCOS) [8-02] [14-02]
B	Barge [2-02] Barge [8-02] [14-02]
BP	Book Postal [2-02] Book Postal [8-02] [14-02]
BU	Bus [2-02] Bus [8-02] [14-02]
C	Consolidation [2-02] Consolidation [8-02] [14-02]
CE	Customer Pickup / Customer's Expense [2-02] Customer Pickup / Customer's Expense [8-02] [14-02]
D	Parcel Post [2-02] Parcel Post [8-02] [14-02]
DA	Driveaway Service Movement of wheeled vehicle, wheeled equipment, or wheeled chassis of which is powered by a self-contained power unit (includes tractor/trailer combination) [2-02] Driveaway Service [8-02] [14-02]
DW	Driveaway, Truckaway, Towaway DoD policy includes all three terms in one. They mean collectively, a transportation method whereby a vehicle is moved under its own power by a driver, or loaded into or upon a carrier's equipment, or towed by carrier's equipment [2-02] Driveaway, Truckaway, Towaway [8-02] [14-02]
E	Expedited Truck [2-02] Expedited Truck [8-02] [14-02]

ED	European or Pacific Distribution System Military operated logistic distribution system within the indicated theaters of operation [2-02] European or Pacific Distribution System [8-02] [14-02]
F	Flyaway When an aircraft is sold to a customer, the delivery flight (non-revenue) includes goods and products (such as spare parts) as part of the contract [2-02] Flyaway [8-02] [14-02]
FA	Air Freight Forwarder A firm other than a railroad, motor, or water carrier, which represents itself as a common carrier and undertakes to assemble and consolidate shipments or provide for same and assumes responsibility for the air transportation of such property from point of receipt to its destination. Delivery is "Held in Bond" [2-02] Air Freight Forwarder [8-02] [14-02]
FL	Motor (Flatbed) [2-02] Motor (Flatbed) [8-02] [14-02]
GG	Geographic Receiving/Shipping A collection of shipments that involve multiple origins, multiple destinations, and a single trailer, and are paid under a single freight bill [2-02] Geographic Receiving/Shipping [8-02] [14-02]
GR	Geographic Receiving A collection of shipments that involve a single origin, multiple destinations, and a single trailer, and are paid under a single freight bill [2-02] Geographic Receiving [8-02] [14-02]
GS	Geographic Shipping A collection of shipments that involve multiple origins, a single destination, and a single trailer, and are paid under a single freight bill [2-02] Geographic Shipping [8-02] [14-02]
H	Customer Pickup [2-02] Customer Pickup [8-02] [14-02]
HH	Household Goods Truck [2-02] Household Goods Truck [8-02] [14-02]

I	Common Irregular Carrier
	[2-02] Common Irregular Carrier [8-02] [14-02]
J	Motor
	[2-02] Motor Use 'J' to denote Motor, Truckload [8-02] [14-02]
K	Backhaul
	[2-02] Backhaul [8-02] [14-02]
L	Contract Carrier
	[2-02] Contract Carrier [8-02] [14-02]
LA	Logair
	Air Force long-term contract airlift service within the continental United States for the movement of cargo in support of the logistics systems of the Military Services and Defense Agencies
	[2-02] Logair [8-02] [14-02]
LT	Less Than Trailer Load (LTL)
	[2-02] Less Than Trailer Load (LTL) [8-02] [14-02]
M	Motor (Common Carrier)
	[2-02] Motor (Common Carrier) [8-02] [14-02]
MB	Motor (Bulk Carrier)
	[2-02] Motor (Bulk Carrier) [8-02] [14-02]
MP	Motor (Package Carrier)
	[2-02] Motor (Package Carrier) [8-02] [14-02]
N	Private Vessel
	[2-02] Private Vessel [8-02] [14-02]
O	Containerized Ocean
	[2-02] Containerized Ocean [8-02] [14-02]
P	Private Carrier
	[2-02] Private Carrier [8-02] [14-02]

PA	Pooled Air Outbound shipment from an airport consolidation point to a final destination via an air move [2-02] Pooled Air [8-02] [14-02]
PG	Pooled Piggyback Outbound shipment consisting of a trailer on a railcar from a consolidation point to a final destination via rail move [2-02] Pooled Piggyback [8-02] [14-02]
PL	Pipeline [2-02] Pipeline [8-02] [14-02]
PP	Pool to Pool Shipment moves from one consolidation point to another consolidation point before final delivery [2-02] Pool to Pool [8-02] [14-02]
PR	Pooled Rail [2-02] Pooled Rail [8-02] [14-02]
PT	Pooled Truck [2-02] Pooled Truck [8-02] [14-02]
Q	Conventional Ocean [2-02] Conventional Ocean [8-02] [14-02]
R	Rail [2-02] Rail [8-02] [14-02]
RC	Rail, Less than Carload Movement by rail of a quantity of freight less than that required for the application of a carload rate [2-02] Rail, Less than Carload [8-02] [14-02]
RR	Roadrailer Used for shipments that travel by roadrailer, i.e., a multimodal rail/highway trailer [2-02] Roadrailer [8-02] [14-02]
S	Ocean [2-02] Ocean [8-02] [14-02]

SB	Shipper Agent Agent for piggyback code consolidation [2-02] Shipper Agent [8-02] [14-02]
SC	Shipper Agent (Truck) Motor carrier agent for piggyback trailer consolidators [2-02] Shipper Agent (Truck) [8-02] [14-02]
SD	Shipper Association Non-profit cooperative consolidator or distributors of shipments by member firms [2-02] Shipper Association [8-02] [14-02]
SE	Sea/Air [2-02] Sea/Air [8-02] [14-02]
SR	Supplier Truck [2-02] Supplier Truck [8-02] [14-02]
SS	Steamship [2-02] Steamship [8-02] [14-02]
ST	Stack Train [2-02] Stack Train [8-02] [14-02]
T	Best Way (Shippers Option) [2-02] Best Way (Shippers Option) [8-02] [14-02]
TA	Towaway Service Movement of shipper owned trailers or semi-trailers loaded and/or pulled by carrier furnished power unit [2-02] Towaway Service [8-02] [14-02]
TC	Cab (Taxi) [2-02] Cab (Taxi) [8-02] [14-02]
TT	Tank Truck [2-02] Tank Truck [8-02] [14-02]
U	Private Parcel Service [2-02] Private Parcel Service [8-02] [14-02]

			VA	Motor (Van) [2-02] Motor (Van) [8-02] [14-02]	
			VE	Vessel, Ocean [2-02] Vessel, Ocean [8-02] [14-02]	
			VL	Vessel, Lake [2-02] Vessel, Lake [8-02] [14-02]	
			W	Inland Waterway [2-02] Inland Waterway [8-02] [14-02]	
			WP	Water or Pipeline Intermodal Movement A water move by barge or tanker followed by a pipeline move to the destination [2-02] Water or Pipeline Intermodal Movement [8-02] [14-02]	
			X	Intermodal (Piggyback) [2-02] Intermodal (Piggyback) [8-02] [14-02]	
			Y	Military Intratheater Airlift Service Method of movement of material from a point in a theater to another point within the same theater by military controlled aircraft [2-02] Military Intratheater Airlift Service [8-02] [14-02]	
			Y1	Ocean Conference Carrier [2-02] Ocean Conference Carrier [8-02] [14-02]	
			Y2	Ocean Non-Conference Carrier [2-02] Ocean Non-Conference Carrier [8-02] [14-02]	
			ZZ	Mutually defined [2-02] Mutually defined [8-02] [14-02]	
M	**BX03**	**146**	**Shipment Method of Payment**	**M**	**ID 2/2**
			Code identifying payment terms for transportation charges [2-03] Shipment Method of Payment Code (DG 1000) Enter code value 'TP' to satisfy X12 syntax requirements. [8-03] Shipment Method of Payment Code (DG 2000) Enter code value 'TP' to satisfy X12 syntax requirement. [14-03] Shipment Method of Payment Code (DG 3000) Enter code value 'TP' to satisfy X12 syntax requirements.		
			TP	Third Party Pay [2-03] Third Party Pay [8-03] Third Party Pay [14-03] Third Party Pay	

>>	**BX04**	**145**	**Shipment Identification Number**	**O**	**AN 1/30**
			Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters) [2-04] Shipment Unit Transportation Control Number (TCN) (DG 1000) Enter the Transportation Control Number (TCN) for the shipment unit. This TCN also appears in the HL '1' loop (DG 1001) in the N9 segment (HL loop position 100). See DTR Table M-2, M-3, or M-8. [8-04] Shipment Unit TCN (DG 2000) Enter the SEAVAN/RORO/463L TCN. [14-04] Shipment Unit TCN (DG 3000) Enter the TCN for the shipment unit. This TCN also appears in the HL '3' loop (DG 3001) in the N9 segment (HL loop position 100). See DTR Table M-7.		
X	**BX05**	**140**	**Standard Carrier Alpha Code**	**O**	**ID 2/4**
X	**BX06**	**188**	**Weight Unit Code**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**BX07**	**147**	**Shipment Qualifier**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**BX08**	**226**	**Section Seven Code**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**BX09**	**195**	**Capacity Load Code**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**BX10**	**160**	**Status Report Request Code**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**BX11**	**501**	**Customs Documentation Handling Code**	**O**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**BX12**	**199**	**Confidential Billing Request Code**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**BX13**	**714**	**Goods and Services Tax Reason Code**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
>>	**BX14**	**346**	**Application Type**	**O**	**ID 2/2**
			Code identifying an application [2-14] Type of TCMD (Doc ID) (DG 1000) Based on the values from position 1 and 3 of the TCMD DIC, use one of the following code values: SOURCE: DTR Table M-2 [8-14] Type of TCMD (Doc ID) (DG 2000) See DTR Table M-4. Based on the values from position 1 and 3 of the TCMD DIC, use one of the following code values: [14-14] Type of TCMD (Doc ID) (DG 3000) See DTR Table M-7. Based on the values from position 1 and 3 of the TCMD DIC, use one of the following code values:		
			R1 — Simulation of Single Shipment Less Release Units (U.S. Department of Defense) [2-14] Simulation of Single Shipment Less Release Units (U.S. Department of Defense) Use 'R1' to denote Less than Release Unit Shipments		
			R2 — Simulation of Consolidation of Vans, Trailers, or Pallets (U.S. Department of Defense) [8-14] Simulation of Consolidation of Vans, Trailers, or Pallets (U.S. Department of Defense)		
			R3 — Simulation of Consolidation of Packaging Containers (U.S. Department of Defense) [14-14] Simulation of Consolidation of Packaging Containers (U.S. Department of Defense)		

RQ	Simulation Single Shipment Release Unit (U.S. Department of Defense)
	[2-14] Simulation Single Shipment Release Unit (U.S. Department of Defense)
T1	Single Shipment Less Release Units (U.S. Department of Defense)
	[2-14] Single Shipment Less Release Units (U.S. Department of Defense) Use 'T1' to denote Less than Release Unit Shipments
T2	Consolidation of Vans, Trailers, or Pallets (U.S. Department of Defense)
	[8-14] Consolidation of Vans, Trailers, or Pallets (U.S. Department of Defense)
T3	Consolidation of Packaging Containers (U.S. Department of Defense)
	[14-14] Consolidation of Packaging Containers (U.S. Department of Defense)
TQ	Single Shipment Release Unit (U.S. Department of Defense)
	[2-14] Single Shipment Release Unit (U.S. Department of Defense)

Segment: **N9** **Reference Identification**
Position: 060
Loop:
Level: Heading
Usage: Optional
Max Use: 30
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:
1 At least one of N902 or N903 is required.
2 If N906 is present, then N905 is required.
3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 N906 reflects the time zone which the time reflects.
2 N907 contains data relating to the value cited in N902.
Comments:
Notes:
[3] N9 SEGMENT - Transportation Tracking Number (TTN) (DG 1000)
CHANGE NOTE: Segment added per DM 887.
SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.
[9] N9 SEGMENT - Transportation Tracking Number (TTN) (DG 2000)
CHANGE NOTE: Segment added per DM 887.
SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.
[15] N9 SEGMENT - Transportation Tracking Number (TTN) (DG 3000)
CHANGE NOTE: Segment added per DM 887.
SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N901**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification [3-01] Transportation Tracking Number (TTN) Qualifier (DG 1000) [9-01] Transportation Tracking Number (TTN) Qualifier (DG 2000) [15-01] Transportation Tracking Number (TTN) Qualifier (DG 3000) 18 Plan Number The unique identification number assigned for a defined contribution plan [3-01] Plan Number Use '18' to denote Transportation Tracking Number (TTN) [9-01] Plan Number Use '18' to denote Transportation Tracking Number (TTN) [15-01] Plan Number Use '18' to denote Transportation Tracking Number (TTN)	**M**	**ID 2/3**
>>	**N902**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier [3-02] Transportation Tracking Number (TTN) (DG 1000) [9-02] Transportation Tracking Number (TTN) (DG 2000) [15-02] Transportation Tracking Number (TTN) (DG 3000)	**X**	**AN 1/30**
X	**N903**	**369**	**Free-form Description**	**X**	**AN 1/45**
X	**N904**	**373**	**Date**	**O**	**DT 8/8**
X	**N905**	**337**	**Time**	**X**	**TM 4/8**
X	**N906**	**623**	**Time Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 2/2**

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

Segment: **C3** **Currency**
Position: 090
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the currency being used in the transaction set
Syntax Notes:
Semantic Notes:
1 C301 is the billing currency.
2 C303 is the payment currency.
3 C304 is the rated currency.
Comments:
1 Currency is implied by the code for the country in whose currency the monetary amounts are specified.
Notes: [4] C3 SEGMENT - Currency Code (DG 1000)
SEGMENT CONDITION: This segment indicates the currency used for the TCMD. The segment is not required, and will not be used, when currency is in U.S. Dollars.
[10] C3 SEGMENT - Currency Code (DG 2000)
SEGMENT CONDITION: This segment indicates the currency used for the TCMD. The segment is not required, and will not be used, when currency is in U. S. Dollars.
[16] C3 SEGMENT - Currency Code (DG 3000)
SEGMENT CONDITION: This segment indicates the currency used for the TCMD. The segment is not required, and will not be used, when currency is in U. S. Dollars.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**C301**	**100**	**Currency Code** Code (Standard ISO) for country in whose currency the charges are specified [4-01] Currency Code (DG 1000) Data element C301 indicates a particular country's/region's currency used for all items on the TCMD. (For example, the code value for EURO dollars is 'EUR'.) Other appropriate currency code values from the ISO 4217 table may be found on the web at: http://www.iso.org/iso/en/prods-services/popstds/currencycodeslist.html. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute. [10-01] Currency Code (DG 2000) Data element C301 indicates a particular country's/region's currency used for all items on the TCMD. (For example, the code value for EURO dollars is 'EUR'.) Other appropriate currency code values from the ISO 4217 table may be found on the web at: http://www.iso.org/iso/en/prods-services/popstds/currencycodeslist.html. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute. [16-01] Currency Code (DG 3000) Data element C301 indicates a particular country's/region's currency used for all items on the TCMD. (For example, the code value for EURO dollars is 'EUR'.) Other appropriate currency code values from the ISO 4217 table may be found on the web at:	**M ID 3/3**

			http://www.iso.org/iso/en/prods-services/popstds/currencycodeslist.html. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.		
X	**C302**	**280**	**Exchange Rate**	**O**	**R 4/10**
X	**C303**	**100**	**Currency Code**	**O**	**ID 3/3**
X	**C304**	**100**	**Currency Code**	**O**	**ID 3/3**

Segment: **PER** **Administrative Communications Contact**
Position: 120
Loop:
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:
1 If either PER03 or PER04 is present, then the other is required.
2 If either PER05 or PER06 is present, then the other is required.
3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:
Comments:
Notes:
[5] PER SEGMENT - Shipper (SH) Contact Information (DG 1000)
Segment added per DM 1010
SEGMENT CONDITION: Complete this segment if shipper primary point of contact information is available
[11] PER SEGMENT - Shipper (SH) Contact Information (DG 2000)
Segment added per DM 1010
SEGMENT CONDITION: Complete this segment if shipper primary point of contact information is available
[18] PER SEGMENT - Shipper (SH) Contact Information (DG 3000)
Segment added per DM 1010
SEGMENT CONDITION: Complete this segment if shipper primary point of contact information is available

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**PER01**	**366**	**Contact Function Code** Code identifying the major duty or responsibility of the person or group named [5-01] Shipper Contact Qualifier (DG 1000) [11-01] Shipper Contact Qualifier (DG 2000) [18-01] Shipper Contact Qualifier (DG 3000) SH Shipper Contact [5-01] Shipper Contact [11-01] Shipper Contact [18-01] Shipper Contact	**M**	**ID 2/2**
>>	**PER02**	**93**	**Name** Free-form name [5-02] Shipper Contact Name (DG 1000) [11-02] Shipper Contact Name (DG 2000) [18-02] Shipper Contact Name (DG 3000)	**O**	**AN 1/60**
	PER03	**365**	**Communication Number Qualifier** Code identifying the type of communication number [5-03] Phone Number Qualifier (DG 1000) [11-03] Phone Number Qualifier (DG 2000) [18-03] Phone Number Qualifier (DG 3000) TE Telephone [5-03] Telephone [11-03] Telephone [18-03] Telephone	**X**	**ID 2/2**
	PER04	**364**	**Communication Number** Complete communications number including country or area code when applicable [5-04] Shipper Phone Number (DG 1000) [11-04] Shipper Phone Number (DG 2000) [18-04] Shipper Phone Number (DG 3000)	**X**	**AN 1/80**

	PER05	**365**	**Communication Number Qualifier**	**X**	**ID 2/2**
			Code identifying the type of communication number		
			[5-05] E-mail Address Qualifier (DG 1000) [11-05] E-mail Address Qualifier (DG 2000) [18-05] E-mail Address Qualifier (DG 3000)		
			EM Electronic Mail		
			[5-05] Electronic Mail [11-05] Electronic Mail [18-05] Electronic Mail		
	PER06	**364**	**Communication Number**	**X**	**AN 1/80**
			Complete communications number including country or area code when applicable		
			[5-06] Shipper E-mail Address (DG 1000) [11-06] Shipper E-mail Address (DG 2000) [18-06] Shipper E-mail Address (DG 3000)		
X	**PER07**	**365**	**Communication Number Qualifier**	**X**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**PER08**	**364**	**Communication Number**	**X**	**AN 1/80**
X	**PER09**	**443**	**Contact Inquiry Reference**	**O**	**AN 1/20**

Segment: **R4** **Port or Terminal**
Position: 180
Loop:
Level: Heading
Usage: Optional (Must Use)
Max Use: 5
Purpose: Contractual or operational port or point relevant to the movement of the cargo
Syntax Notes: **1** If either R402 or R403 is present, then the other is required.
Semantic Notes:
Comments: **1** R4 is required for each port to be identified.
Notes: [6] R4 SEGMENT - POE Identification (DG 1000)
[7] R4 SEGMENT - POD Identification (DG 1000)
[12] R4 SEGMENT - POE Identification (DG 2000)
[13] R4 SEGMENT - POD Identification (DG 2000)
[17] R4 SEGMENT - POE Identification (DG 3000)
[19] R4 SEGMENT - POD Identification (DG 3000)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**R401**	**115**	**Port or Terminal Function Code** Code defining function performed at the port or terminal with respect to a shipment [6-01] Event Qualifier (DG 1000) CHANGE NOTE: Element name changed per DM 1025. [7-01] Event Qualifier (DG 1000) CHANGE NOTE: Element name changed per DM 1025. [12-01] Event Qualifier (DG 2000) CHANGE NOTE: Element name changed per DM 1025. [13-01] Event Qualifier (DG 2000) CHANGE NOTE: Element name changed per DM 1025. [17-01] Event Qualifier (DG 3000) CHANGE NOTE: Element name changed per DM 1025. [19-01] Event Code (DG 3000) CHANGE NOTE: Element name changed per DM 1025. D Port of Discharge (Operational) Port at which cargo is unloaded from vessel [7-01] Port of Discharge (Operational) [13-01] Port of Discharge (Operational) [19-01] Port of Discharge (Operational) L Port of Loading (Operational) Port at which cargo is loaded on vessel [6-01] Port of Loading (Operational) Use 'L' to denote POE Code [12-01] Port of Loading (Operational) Use 'L' to denote POE Code [17-01] Port of Loading (Operational) Use 'L' to denote POE Code	**M ID 1/1**
>>	**R402**	**309**	**Location Qualifier** Code identifying type of location [6-02] Mode Qualifier (DG 1000) CHANGE NOTE: Element name changed per DM 1025. [7-02] Mode Qualifier (DG 1000) CHANGE NOTE: Replace code value 'ZZ' with 'IA' per DM 847. CHANGE NOTE: Element name changed per DM 1025. [12-02] Mode Qualifier (DG 2000) CHANGE NOTE: Code value 'IA' replaced 'ZZ' per DM 838. CHANGE NOTE: Element name changed per DM 1025. [13-02] Mode Qualifier (DG 2000)	**X ID 1/2**

CHANGE NOTE: Replace code value 'ZZ' with 'IA' per DM 847.
CHANGE NOTE: Element name changed per DM 1025.
[17-02] Mode Qualifier (DG 3000)
CHANGE NOTE: Code value 'IA' replaced 'ZZ' per DM 838.
CHANGE NOTE: Element name changed per DM 1025.
[19-02] Mode Qualifier (DG 3000)
CHANGE NOTE: Code value 'ZZ' replaced with 'IA' per DM 847.
CHANGE NOTE: Element name changed per DM 1025.

IA	International Air Transport Association (IATA) Location Qualifier [6-02] International Air Transport Association (IATA) Location Qualifier Use 'IA' to denote AerialPortCode CHANGE NOTE: Definition changed per DM 1025. [7-02] International Air Transport Association (IATA) Location Qualifier Use 'IA' to denote AerialPortCode CHANGE NOTE: Definition changed per DM 1025. [12-02] International Air Transport Association (IATA) Location Qualifier Use 'IA' to denote AerialPortCode CHANGE NOTE: Definition changed per DM 1025. [13-02] International Air Transport Association (IATA) Location Qualifier Use 'IA' to denote AerialPortCode CHANGE NOTE: Definition changed per DM 1025. [17-02] International Air Transport Association (IATA) Location Qualifier Use 'IA' to denote AerialPortCode CHANGE NOTE: Definition changed per DM 1025. [19-02] International Air Transport Association (IATA) Location Qualifier Use 'IA' to denote AerialPortCode CHANGE NOTE: Definition changed per DM 1025.
VS	Vessel Stowage Location [6-02] Vessel Stowage Location Use 'VS' to denote WaterPortCode CHANGE NOTE: Definition changed per DM 1025. [7-02] Vessel Stowage Location Use 'VS' to denote WaterPortCode CHANGE NOTE: Definition changed per DM 1025. [12-02] Vessel Stowage Location Use 'VS' to denote WaterPortCode CHANGE NOTE: Definition changed per DM 1025. [13-02] Vessel Stowage Location Use 'VS' to denote WaterPortCode CHANGE NOTE: Definition changed per DM 1025. [17-02] Vessel Stowage Location Use 'VS' to denote WaterPortCode CHANGE NOTE: Definition changed per DM 1025. [19-02] Vessel Stowage Location Use 'VS' to denote WaterPortCode CHANGE NOTE: Definition changed per DM 1025.

>>	**R403**	**310**	**Location Identifier** Code which identifies a specific location [6-03] Location Code (DG 1000) Use three-position port code. See DTR Table M-4, M-5, or M-6. CHANGE NOTE: Element name changed per DM 1025. [7-03] Location Code (DG 1000) Use three-position port code. See DTR Table M-4, M-5, or M-6. CHANGE NOTE: Element name changed per DM 1025. [12-03] Location Code (DG 2000) Use three-position port code. See DTR Table M-4, M-5, or M-6. CHANGE NOTE: Element name changed per DM 1025. [13-03] Location Code (DG 2000) Use three-position port code. See DTR Table M-4, M-5, or M-6. CHANGE NOTE: Element name changed per DM 1025. [17-03] Location Code (DG 3000) Use three-position port code. See DTR Table M-7. CHANGE NOTE: Element name changed per DM 1025. [19-03] Location Code (DG 3000) Use three-position port code. See DTR Table M-7. CHANGE NOTE: Element name changed per DM 1025.	**X**	**AN 1/30**
X	**R404**	**114**	**Port Name**	**O**	**AN 2/24**
X	**R405**	**26**	**Country Code**	**O**	**ID 2/3**
X	**R406**	**174**	**Terminal Name**	**O**	**AN 2/30**
X	**R407**	**113**	**Pier Number**	**O**	**AN 1/4**
X	**R408**	**156**	**State or Province Code**	**O**	**ID 2/2**

Segment: **HL** **Hierarchical Level**
Position: 010
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments
Syntax Notes:
Semantic Notes:
Comments:
1 The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
The HL segment defines a top-down/left-right ordered structure.
2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.
Notes:
[20] HL SEGMENT - Single Shipment Unit (T_0/1/4) (DG 1001) Repeat this loop for every single shipment unit TCN (T_0/1/4).

This loop may be used in combination with HL loops describing consolidations and containers (HL03 code values = '3 and '2') (DG 3001 and DG 2001), and with HL loops describing TCN trailer data.

References to T_0 data apply to T_1 and T_4 data throughout the description of this loop.
[50] HL SEGMENT - SEAVAN/RORO/463L Shipment Units (T_2) (DG 2001) For capped 463L pallets this loop will be a child loop of the capped pallet loop only for the situation where the pallet and its load are documented as a shipment unit and the complete, single load is marked with an MSL.
LOOP CONDITION: This HL loop is required when passing header and trailer data associated with a SEAVAN/RORO/463L shipment unit.
[82] HL SEGMENT - Other Consolidations (Not SEAVAN/RORO/463L) (T_3) (DG 3001)
LOOP CONDITION: This HL loop is required when passing header and trailer data associated with a multi-shipment unit consolidation other than a SEAVAN/RORO/463L.
[106] HL SEGMENT - Cargo Attribute/Dimension Information (T_5) (DG 5001)
CHANGE NOTE: Change dimension 72" to 84" per DM 889
LOOP CONDITION: This HL loop is required when describing attribute/dimension information (each T_5) for all Government vehicles, trailers, tracked/wheeled guns, aircraft, and outsize general cargo. Repeat this loop for each Government vehicle, trailer, tracked/wheeled gun, or aircraft. Also repeat this loop for outsize general cargo that exceeds 84 inches in any one of the dimensions.
[117] HL SEGMENT - NSN, Nomenclature, and HAZMAT Information (T_6) (DG 6001)
LOOP CONDITION: This HL loop is required when describing entries for an item NSN and a non-hazardous item nomenclature for shipments where the weight of all like items (single NSN) comprises 51 percent or more of the total shipment weight. The loop is also required for shipments when describing HAZMAT codes, ammunition round count, and IMO classification. For other than HAZMAT material, do not use this loop to describe personal effects (personal property), material for sale in stores, and material which is not

covered by NSNs. It includes both T_6 and T_9 information. Repeat this loop as required.
[137] HL SEGMENT - NEW, Ammunition, Explosives, or Lot Information (T_7) (DG 7001)
LOOP CONDITION: This HL loop is required when describing entries for NEW, ammunition, explosives, or lot information. If the shipment unit contains more than one lot, make a separate loop for each lot.
[140] HL SEGMENT - Personal Property (T_8) (DG 8001)
LOOP CONDITION: This HL loop is required when describing entries for household goods, baggage, or POV.
[152] HL SEGMENT - General Miscellaneous Information (T_9) (DG 9013)
LOOP CONDITION: This HL loop is required when describing general miscellaneous information not otherwise detailed.
[169] HL SEGMENT - Seal Numbers and Applier of Replacement Seals (DG 9014)
LOOP CONDITION: Use this HL loop to identify original and replacement seal numbers and to identify the applier of replacement seals when passing header and trailer data associated with SEAVAN shipment units in data groups 1001/2001/3001 as applicable. Repeat this loop for each different applier of replacement seals.
[172] HL SEGMENT - 463L Capped Pallet Header Information (DG 9801) Use this 463L pallet header HL Loop to identify a loaded and fully documented (capped) 463L pallet that will be delivered to an aerial port.

Capped 463L pallets that have not been documented as a manifested load (with a TAB record) will use the SEAVAN/RORO/463L Shipment Units HL loop (HL03=2) to identify the 463L pallet as a shipment unit (marked with an MSL) on the truck manifest.
LOOP CONDITION: Use this loop to document pallet header information for a capped 463L pallet.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**HL01**	**628**	**Hierarchical ID Number** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	**M AN 1/12**

[20-01] Hierarchical (Segment) ID Number (DG 1001)
Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)
[50-01] Hierarchical (Segment) ID Number (DG 2001)
Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)
[82-01] Hierarchical (Segment) ID Number (DG 3001)
Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)
[106-01] Hierarchical (Segment) ID Number (DG 5001)
Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)
[117-01] Hierarchical (Segment) ID Number (DG 6001)
Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)
[137-01] Hierarchical (Segment) ID Number (DG 7001)
Enter the next available HL loop sequential number to uniquely identify each

occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)
[140-01] Hierarchical (Segment) ID Number (DG 8001)
Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)
[152-01] Hierarchical (Segment) ID Number (DG 9013)
Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)
[169-01] Hierarchical ID Number (DG 9014)
Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)
[172-01] Hierarchical ID Number (DG 9801)
Enter the next available HL loop sequential number to describe each pallet.

>>	**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
[20-02] Hierarchical Parent ID Number (DG 1001)
ELEMENT CONDITION: For consolidations, use this element to link this DG 1001 loop with its parent DG 2001 or DG 3001 loop. Establish the link by copying the Hierarchical Segment ID Number (HL01) of the parent HL loop here.
[50-02] Hierarchical Parent ID Number (DG 2001)
Enter parent loop ID only if this is a child loop for a 463L capped pallet (HL03=24) that is marked with an MSL as a consolidated shipment unit. Use this data element to link this DG 2001 loop as a nested child within a parent container (DG 2001) or a unitized load (DG 3001). Otherwise, do not use this data element.
[82-02] Hierarchical Parent ID Number (DG 3001)
ELEMENT CONDITION: Enter parent loop ID only if this is the child of larger SEAVAN/RORO/463L consolidation (HL03=2) or is the child of a nested unitized load (HL03=3). Otherwise, do not use this data element.
[106-02] Hierarchical Parent ID Number (DG 5001)
Use this element to link this loop with its parent loop. Establish the link by copying the hierarchical ID number (HL01) of the DG 1001, DG 2001, or DG 3001 parent HL loop here.
[117-02] Hierarchical Parent ID Number (DG 6001)
Use this element to link this loop with its parent loop. Establish the link by copying the hierarchical ID number (HL01) of the DG 1001 parent HL loop here.
[137-02] Hierarchical Parent ID Number (DG 7001)
Use this element to link this loop with its parent loop. Establish the link by copying the hierarchical ID number (HL01) of the DG 1001 parent HL loop here.
[140-02] Hierarchical Parent ID Number (DG 8001)
Use this element to link this loop with its parent loop. Establish the link by copying the hierarchical ID number (HL01) of the DG 1001 parent HL loop here.
[152-02] Hierarchical Parent ID Number (DG 9013)
Use this element to link this loop with its parent loop. Establish the link by copying the hierarchical ID number (HL01) of the DG 1001, DG 2001, or DG 3001 parent HL loop here.
[169-02] Hierarchical Parent ID Number (DG 9014)
Use this element to link this loop with its parent loop. Establish the link by copying the hierarchical ID number (HL01) of the DG 1001, DG 2001, or DG

			3001 parent HL loop here.		
M	**HL03**	**735**	**Hierarchical Level Code** Code defining the characteristic of a level in a hierarchical structure [20-03] Hierarchical Level Code (DG 1001) Use code value '1' to indicate that the HL loop contains information from DTR T_0/1/4 records for a shipment unit corresponding to DG 1001, along with related trailer data corresponding to DG 1014. [50-03] Hierarchical Level Code (DG 2001) Use code value '2' to indicate that the HL loop contains information from DTR T_2 records for a shipment using SEAVAN/RORO/463L corresponding to DG 2001, along with related trailer data corresponding to DG 2014 and DG 2015. [82-03] Hierarchical Level Code (DG 3001) Use code value '3' to indicate that the HL loop contains information from DTR T_3 records for a multi-shipment unit consolidation corresponding to DG 3001, along with related trailer data corresponding to DG 3014. [106-03] Hierarchical Level Code (DG 5001) Use code value '5' to indicate that the HL loop contains information from DTR T_5 records corresponding to DG 5001, along with related trailer data corresponding to DG 5013. [117-03] Hierarchical Level Code (DG 6001) Use code value '6' to indicate that the HL loop contains information from DTR T_6 records corresponding to DG 6001, along with related trailer data corresponding to DG 6016. [137-03] Hierarchical Level Code (DG 7001) Use code value '7' to indicate that the HL loop contains information from DTR T_7 records corresponding to DG 7001. [140-03] Hierarchical Level Code (DG 8001) Use code value '8' to indicate that the HL loop contains information from DTR T_8 records corresponding to DG 8001, along with related trailer data corresponding to DG 8013 and DG 8017. [152-03] Hierarchical Level Code (DG 9013) Use code value '9' to indicate that the HL loop contains information from DTR T_9 records (trailer data) corresponding to DG 9013. [169-03] Hierarchical Level Code (DG 9014) Use code value 'ZZ' to indicate that the HL loop identifies seal numbers and the applier of a replacement seal number (from DTR T_9 records) for a SEAVAN shipment unit corresponding to M7 segment of DG 9014 [172-03] Hierarchical Level Code (DG 9801) Use code value '24' to indicate hierarchical level representing pallet header information.	**M**	**ID 1/2**
			1	Service/Billing Provider Code identifying the telecommunications company providing service/billing [20-03] Service/Billing Provider	
			2	Billing Arrangement Code identifying a specified billing arrangement [50-03] Billing Arrangement	
			3	Sub-Billing Arrangement Code identifying a more detailed billing arrangement [82-03] Sub-Billing Arrangement	
			5	Category Code identifying the sub-division of the group [106-03] Category	
			6	Sub-Category Code identifying a further breakdown of the category [117-03] Sub-Category	

			7	Type Code identifying a further breakdown of the sub-category [137-03] Type		
			8	Charge Detail Code identifying the lowest level of charges within a billing arrangement [140-03] Charge Detail		
			9	Line Detail Code identifying the supporting detail associated with the charge or group [152-03] Line Detail		
			24	Supergroup [172-03] Supergroup		
			ZZ	Mutually Defined [169-03] Mutually Defined		
X	**HL04**	**736**	**Hierarchical Child Code** Refer to 004010 Data Element Dictionary for acceptable code values.		**O**	**ID 1/1**

Segment: **N7** **Equipment Details**
Position: 020
Loop: HL Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To identify the equipment
Syntax Notes:
1 If either N703 or N704 is present, then the other is required.
2 If either N705 or N716 is present, then the other is required.
3 If either N708 or N709 is present, then the other is required.
Semantic Notes:
1 N712 is the owner of the equipment.
2 N723 is the operator or carrier of the rights of the equipment.
Comments:
1 N701 is mandatory for rail transactions.
2 N720 and N721 are expressed in inches.
Notes:
[21] N7 SEGMENT - Empty SEAVAN Details (DG 1001)
SEGMENT CONDITION: Use for empty SEAVAN only.
[51] N7 SEGMENT - Container Information (DG 2001)
SEGMENT CONDITION: Use this segment only for SEAVAN.
[83] N7 SEGMENT - Other Consolidation Identification Number (DG 3014)
SEGMENT CONDITION: Use this segment for other consolidation shipments.
[173] N7 SEGMENT - Pallet Details (DG 9801)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**N701**	**206**	**Equipment Initial** Prefix or alphabetic part of an equipment unit's identifying number [21-01] Empty SEAVAN Ownership Code (DG 1001) For SEAVAN enter the ownership code which is the first four positions of the ISO container ID number. If none, enter the value 'XXXX' and list the clear text name of the SEAVAN owner in the DG 9013 NTE segment (HL loop position 140). SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association [51-01] SEAVAN Ownership Code (DG 2001) For SEAVAN enter the ownership code which is the first four positions of the ISO container ID number. If none, enter the value 'XXXX' and list the clear text name of the SEAVAN owner in the DG 9013 NTE segment (HL loop position 140). SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association [173-01] Module Type (DG 9801) SOURCE: Table Management Distribution System (TMDS) data values as indicated (DTR,Part II, Appendix DD)	**O AN 1/4**

A	New Code Added by IC
	[173-01] Non-unitized, Rolling Stock
B	New Code Added by IC
	[173-01] Pallet up to 76 inches
C	New Code Added by IC
	[173-01] Containerized, skidded cargo
D	New Code Added by IC
	[173-01] Pallet for 727/707/DC-9/L-100/DC-8 stretched model
E	New Code Added by IC
	[173-01] Pallet up to 60 inches
F	New Code Added by IC
	[173-01] Pallet for DC-10 (2L-12R), MD-11 (2-14)

			G	New Code Added by IC	
				[173-01] Pallet with a propeller	
			H	New Code Added by IC	
				[173-01] C-130 Ramp pallet	
			I	New Code Added by IC	
				[173-01] ISU Pallet	
			J	New Code Added by IC	
				[173-01] Pallet for C130 (6" aisle way)	
			K	New Code Added by IC	
				[173-01] KC-135	
			L	New Code Added by IC	
				[173-01] Pallet for C-5, L-100, C-130, B-747 (upstairs), C-141, C-17	
			M	New Code Added by IC	
				[173-01] C-5 or C-17 only	
			N	New Code Added by IC	
				[173-01] KC-10 (PP 2-10 L + R)	
			P	New Code Added by IC	
				[173-01] KC-10 (position 1)	
M	**N702**	**207**	**Equipment Number**	**M**	**AN 1/10**
			Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) [21-02] Empty SEAVAN Container Serial Number (DG 1001) Enter the serial number marked on the container by the van owner. Do not include the van owner code (first 4 characters of the container ID number) or the check digit (11th character of the ID number). Include alphabetic characters but exclude special characters such as dashes, slashes, or other symbols. [51-02] SEAVAN Container Serial Number (DG 2001) Enter the serial number marked on the container by the van owner. Do not include the van owner code (first 4 characters of the container ID number) or the check digit (11th character of the ID number). Include alphabetic characters but exclude special characters such as dashes, slashes, or other symbols. [83-02] Other Consolidation Identification Number (DG 3014) Enter the identification number marked on the consolidation. [173-02] Pallet ID (DG 9801) Enter the pallet ID assigned by the loading activity. In sequenced order: [DTR TAB 21/23] [DTR TAB 4/5] [TAB 67/67]		
X	**N703**	**81**	**Weight**	**X**	**R 1/10**
X	**N704**	**187**	**Weight Qualifier**	**X**	**ID 1/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**N705**	**167**	**Tare Weight**	**X**	**N0 3/8**
X	**N706**	**232**	**Weight Allowance**	**O**	**N0 2/6**
X	**N707**	**205**	**Dunnage**	**O**	**N0 1/6**
>>	**N708**	**183**	**Volume**	**X**	**R 1/8**
			Value of volumetric measure [51-08] Cubic Capacity of SEAVAN (DG 2001) Enter using whole cubic feet. Use only for SEAVAN shipments.		

>>	**N709**	**184**	**Volume Unit Qualifier** Code identifying the volume unit [51-09] Cubic Capacity of SEAVAN Qualifier (DG 2001) E Cubic Feet [51-09] Cubic Feet	**X**	**ID 1/1**
X	**N710**	**102**	**Ownership Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 1/1**
X	**N711**	**40**	**Equipment Description Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 2/2**
X	**N712**	**140**	**Standard Carrier Alpha Code**	**O**	**ID 2/4**
X	**N713**	**319**	**Temperature Control**	**O**	**AN 3/6**
	N714	**219**	**Position** Relative position of shipment in car, trailer, or container (mutually defined) [173-14] Pallet Serial Number (DG 9801) Enter the serial number assigned by the pallet loading activity if other than an aerial port. This is not the number stamped on Pallet Data Plate.	**O**	**AN 1/3**
>>	**N715**	**567**	**Equipment Length** Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11) [21-15] Empty SEAVAN Actual Length (DG 1001) For empty SEAVAN enter the actual van length in feet. Left-fill with zeros as required to satisfy X12-mandated field size of four numeric digits. [51-15] SEAVAN Length (DG 2001) Enter the length in feet.	**O**	**N0 4/5**
X	**N716**	**571**	**Tare Qualifier Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 1/1**
X	**N717**	**188**	**Weight Unit Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 1/1**
	N718	**761**	**Equipment Number Check Digit** Number which designates the check digit applied to a piece of equipment [21-18] Empty SEAVAN Container Number Check Digit (DG 1001) As applicable, enter the check digit marked on the container. The check digit is a number separated from the container number by a dash, space, or slash. [51-18] SEAVAN Container Number Check Digit (DG 2001) The check digit is a number separated from the container number by a dash, space, or slash. ELEMENT CONDITION: As applicable, enter the check digit marked on the container.	**O**	**N0 1/1**
X	**N719**	**56**	**Type of Service Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 2/2**
X	**N720**	**65**	**Height**	**O**	**R 1/8**
X	**N721**	**189**	**Width**	**O**	**R 1/8**
X	**N722**	**24**	**Equipment Type**	**O**	**ID 4/4**
>>	**N723**	**140**	**Standard Carrier Alpha Code** Standard Carrier Alpha Code [51-23] Ocean Carrier Code (DG 2001) For SEAVAN(s). SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	**O**	**ID 2/4**
X	**N724**	**301**	**Car Type Code**	**O**	**ID 1/4**

Segment: **M7** **Seal Numbers**
Position: 040
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 5
Purpose: To record seal numbers used and the organization that applied the seals
Syntax Notes:
Semantic Notes:
Comments: **1** M705 indicates the name of the organization which applied the seal(s).
Notes: [170] M7 SEGMENT - SEAVAN Seal Number and Replacement Seal Number (DG 9014)
SEGMENT CONDITION: Use this segment for SEAVAN shipments. Repeat the HL loop and this segment for each seal number. To link the seal number with the applicable applier, only one M7 segment may be used per HL loop.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**M701**	**225**	**Seal Number** Unique number on seal used to close a shipment [170-01] SEAVAN Seal Number and Replacement Seal Number (DG 9014) Enter seal number. Use for original seal. Also, use when original seal is removed and replaced with a new seal.	**M**	**AN 2/15**
X	**M702**	**225**	**Seal Number**	**O**	**AN 2/15**
X	**M703**	**225**	**Seal Number**	**O**	**AN 2/15**
X	**M704**	**225**	**Seal Number**	**O**	**AN 2/15**
X	**M705**	**98**	**Entity Identifier Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 2/3**

Segment: **N5** **Equipment Ordered**
Position: 050
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify carrier equipment
Syntax Notes: **1** If either N507 or N508 is present, then the other is required.
Semantic Notes:
Comments: **1** N506 is expressed in inches.
Notes: [52] N5 SEGMENT - Length of SEAVAN Ordered (DG 2001)
SEGMENT CONDITION: Do not use for empty vans.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	**N501**	**567**	**Equipment Length**	**O**	**N0 4/5**
			Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)		
			[52-01] Length of SEAVAN Ordered (DG 2001) Enter the length of the SEAVAN ordered, in feet.		
X	**N502**	**233**	**Weight Capacity**	**O**	**N0 2/3**
X	**N503**	**203**	**Cubic Capacity**	**O**	**N0 2/4**
X	**N504**	**301**	**Car Type Code**	**O**	**ID 1/4**
X	**N505**	**216**	**Metric Qualifier**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**N506**	**65**	**Height**	**O**	**R 1/8**
X	**N507**	**643**	**Lading Percentage**	**X**	**N2 2/4**
X	**N508**	**644**	**Lading Percent Qualifier**	**X**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**N509**	**40**	**Equipment Description Code**	**O**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		

Segment: **REF** **Reference Identification**
Position: 060
Loop: HL Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: 5
Purpose: To specify identifying information
Syntax Notes:
1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 REF04 contains data relating to the value cited in REF02.
Comments:
Notes:
[22] REF SEGMENT - Empty Container Indicator (DG 1001)
SEGMENT CONDITION: Use to identify an empty SEAVAN.
[23] REF SEGMENT - DoD Leased/Controlled Container Indicator (DG 1001)
SEGMENT CONDITION: Use segment to indicate a DoD Leased/Controlled Container.
[24] REF SEGMENT - Type of Shipment Code (DG 1001)
[25] REF SEGMENT - POE/POD Identification (DG 1001)
SEGMENT CONDITION: Use this segment for water or air shipment of single shipment units to a port of Embarkation (POE). Do not use when shipping to a CCP.
[26] REF SEGMENT - Van Point of Origin ZIP Code (DG 1014)
SEGMENT CONDITION: Use for SEAVAN shipments.
[53] REF SEGMENT - Type of Shipment Code (DG 2001)
[54] REF SEGMENT - DoD Leased/Controlled Container Indicator (DG 2001)
SEGMENT CONDITION: Use segment to indicate a DoD Leased/Controlled Container.
[55] REF SEGMENT - Container Loading Information (DG 2001)
Repeat the segment for each load situation (i.e., when the initial, partial load is done by one activity with loading completed by another activity).
SEGMENT CONDITION: Only used when the T_2 is for a container, not used for 463L pallet shipments
Identifies the load configuration within the container and the activity loading it.
[84] REF SEGMENT - Type of Shipment Code (DG 3001)
[153] REF SEGMENT - Classified Shipment Container Number (DG 9013)
SEGMENT CONDITION: Use for Classified Shipment Container Number. Repeat segment for each different container number.
[174] REF SEGMENT - Air POE Identification (DG 9801)
SEGMENT CONDITION: Use this segment for water or air shipment of a capped pallet to a POE.
[175] REF SEGMENT - Air POD Identification (DG 9801)
SEGMENT CONDITION: Use this segment for water or air shipment of a capped pallet to a POD.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification [22-01] Empty Container Indicator Qualifier (DG 1001) [23-01] DoD Leased/Controlled Container Indicator Qualifier (DG 1001) [24-01] Type of Shipment Qualifier (DG 1001) [25-01] POE Qualifier Code (DG 1001) [26-01] Van Point of Origin ZIP Code Qualifier (DG 1014) [53-01] Type of Shipment Qualifier (DG 2001) [54-01] DoD Leased/Controlled Container Indicator Qualifier (DG 2001) [55-01] Container Loading Information Qualifier (DG 2001) CHANGE NOTE: Replace code value 'BE' with 'IL' per DM 847. [84-01] Type of Shipment Code Qualifier (DG 3001) [153-01] Classified Shipment Container Number Qualifier (DG 9013) [174-01] POE Qualifier Code (DG 9801) [175-01] POD Qualifier Code (DG 9801)	**M ID 2/3**

			4B	Shipment Origin Code [26-01] Shipment Origin Code Use '4B' to denote Van Point of Origin ZIP Code		
			55	Sequence Number [25-01] Sequence Number [174-01] Sequence Number Use '55' to denote Port of Embarkation		
			6W	Sequence Number [175-01] Sequence Number Use '6W' to denote Port of Debarkation		
			98	Container/Packaging Specification Number A numeric or alphanumeric identification assigned to a unique packaging/container configuration [153-01] Container/Packaging Specification Number Use '98' to denote Classified Container Number		
			BE	Business Activity [22-01] Business Activity Use 'BE' to denote Empty Container Indicator		
			IL	Internal Order Number [55-01] Internal Order Number Use 'IL' to denote Container Loading Information		
			OP	Original Purchase Order [23-01] Original Purchase Order Use 'OP' to denote DoD Leased/Controlled Container Indicator [54-01] Original Purchase Order Use 'OP' to denote DoD Leased/Controlled Container Indicator		
			ZZ	Mutually Defined [24-01] Mutually Defined Use 'ZZ' to denote Type of Shipment Information [53-01] Mutually Defined Use 'ZZ' to denote Type of Shipment [84-01] Mutually Defined Use 'ZZ' to denote Type of Shipment Information		
>>	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier [22-02] Empty Container Indicator (DG 1001) Enter value 'EMPTY' to indicate an empty container. [23-02] DoD Leased/Controlled Container Indicator (DG 1001) Enter value 'LEASED' to denote DoD Leased/Controlled Container. [24-02] Type of Shipment Code (DG 1001) This is the second position of the TCMD Document Identifier code as defined by the 'Document Id 2nd Position Code' table found in USTranscom Reference Data Management (TRDM), mirrored at http://www.transcom.mil/dteb/files/refdata/V_DOC_ID_2_DOM.htm. Reference added per DM 1052. SOURCE: DTR, Part II, Appendix DD [25-02] POE Identifier Qualifier (DG 1001) Enter value 'SEA' or value 'AIR' to denote Port Code Type. [26-02] Van Point of Origin ZIP Code (DG 1014) Enter Van's point of origin five-digit ZIP code with optional hyphen and ZIP + 4. [53-02] Type of Shipment Code (DG 2001) This is the second position of the TCMD Document Identifier code as defined by the 'Document Id 2nd Position Code' table found in USTranscom Reference Data Management (TRDM), mirrored at	**X**	**AN 1/30**

http://www.transcom.mil/dteb/files/refdata/V_DOC_ID_2_DOM.htm.

Reference added per DM 1052.
SOURCE: DTR, Part II, Appendix DD.
[54-02] DoD Leased/Controlled Container Indicator (DG 2001)
Enter value 'LEASED' to indicate a DoD Leased/Controlled Container.
[55-02] Container Loading Information (DG 2001)
Enter the following values as indicated:
'FULL' to denote a container loaded to its capacity
'NOT FULL - MIXED' to denote a container loaded to less than its capacity with military and commercial cargo commingled IAW the SDDC Container Agreement and Rate Guide.
'NOT FULL' to denote a container loaded to less than its capacity.
CHANGE NOTE: Length attribute changed to 4/16 per DM 762.
[84-02] Type of Shipment Code (DG 3001)
This is the second position of the TCMD Document Identifier code as defined by the 'Document Id 2nd Position Code' table found in USTranscom Reference Data Management (TRDM), mirrored at
http://www.transcom.mil/dteb/files/refdata/V_DOC_ID_2_DOM.htm.

Reference added per DM 1052.
SOURCE: DTR, Part II, Appendix DD
[153-02] Classified Shipment Container Number (DG 9013)
Enter container number. For ISO containers (e.g., SEAVANs) enter all 11 characters of the container ID number (owner code, serial number, check digit).
[174-02] Air POE Identifier Qualifier (DG 9801)
Enter value 'AIR' to denote Port Code type.
[175-02] Air POD Identifier Qualifier (DG 9801)
Enter value 'AIR' to denote Port Code type.

>>	**REF03**	**352**	**Description** A free-form description to clarify the related data elements and their content	**X**	**AN 1/80**

[25-03] POE Identifier (DG 1001)
Use three-position port code.
[55-03] Container Loading Activity (DG 2001)
Enter the applicable value as indicated from the following:

'CARRIER' to denote an Ocean Carrier
'CONTRACT CCP' to denote a Contract Shipment Consolidation facility.
'MIL SHIPPER' to denote a Military Shipping activity
'MIL TERMINAL' to denote a Military Terminal
'VENDOR' to denote a Commercial Vendor
[174-03] Air POE Code (DG 9801)
Use three-position port code.
[175-03] Air POD Code (DG 9801)
Use three-position port code.

	REF04	**C040**	**Reference Identifier** To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	**O**

[25-04] POD Composite Element Header (DG 1001)
COMPOSITE CONDITION: Use this element for water or air shipment of a single shipment unit when planned for movement through a designated POD for the Consignee.
By placing code value '6W' (DE 128 unit qualifier) in the C04001, you are satisfying X12 syntax requirements for the composite data element.
CHANGE NOTE: Composite element added per DM 680.

M	**C04001**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification [25-04-01] POD Qualifier Code (DG 1001) By placing code value '6W' (DE 128 unit qualifier) in the C04001, you are satisfying X12 syntax requirements for the composite data element. 6W Sequence Number [25-04-01] Sequence Number Use '6W' to denote Port of Debarkation	**M**	**ID 2/3**
M	**C04002**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier [25-04-02] POD Identifier Qualifier (DG 1001) Use three-position port code.	**M**	**AN 1/30**
	C04003	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 2/3**
	C04004	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**AN 1/30**
	C04005	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 2/3**
	C04006	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**AN 1/30**

Segment: **VC** **Motor Vehicle Control**
Position: 080
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 24
Purpose: To define motor vehicle identification and logistics
Syntax Notes:
Semantic Notes: **1** VC05 is the automotive manufacturer route code.
Comments:
Notes: [107] VC SEGMENT - Serial Number (DG 5001)
SEGMENT CONDITION: Use for shipments of Government vehicles, trailers, tracked/wheeled guns, and aircraft.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**VC01**	**539**	**Vehicle Identification Number**	**M**	**AN 1/25**
			Unique identification number stamped on the vehicle by the manufacturer		
			[107-01] Serial Number (DG 5001) Enter the Serial Number for each shipment unit.		
X	**VC02**	**836**	**Vehicle Deck Position Code**	**O**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**VC03**	**837**	**Vehicle Type Code**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**VC04**	**838**	**Dealer Code**	**O**	**AN 2/9**
X	**VC05**	**1**	**Route Code**	**O**	**AN 1/13**
X	**VC06**	**839**	**Bay Location**	**O**	**AN 1/6**
X	**VC07**	**833**	**Automotive Manufacturers Code**	**O**	**ID 2/2**
X	**VC08**	**308**	**Damage Exception Indicator**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**VC09**	**835**	**Supplemental Inspection Code**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**VC10**	**583**	**Factory Car Order Number**	**O**	**AN 6/10**
X	**VC11**	**877**	**Vessel Stowage Location**	**O**	**AN 1/12**

Segment: **L7** **Tariff Reference**
Position: 090
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To reference details of the tariff used to arrive at applicable rates or charge
Syntax Notes:
Semantic Notes: **1** L710 is the effective date.
2 In L715 and L716, "City" and "State" are used for rate combination city and state.
Comments:
Notes: [56] L7 SEGMENT - Stop-Off DoDAAC (DG 2015)
SEGMENT CONDITION: This segment is required when describing stop-offs for a shipment unit as part of a SEAVAN consolidation. Repeat up to ten times for each Stop-Off DoDAAC.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
X	**L701**	**213**	**Lading Line Item Number**	**O**	**N0 1/3**
X	**L702**	**168**	**Tariff Agency Code**	**O**	**ID 1/4**
>>	**L703**	**171**	**Tariff Number**	**O**	**AN 1/7**
			Standard tariff number for the tariff which governs the rates applied to the commodity item(s) [56-03] Stop-Off DoDAAC (DG 2015) Enter Stop-Off DoDAAC.		
>>	**L704**	**172**	**Tariff Section**	**O**	**AN 1/2**
			Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff [56-04] Stop-Off Number (DG 2015) Enter the stop-off sequence number for the shipment. Sequence numbers range from 1-9.		
X	**L705**	**169**	**Tariff Item Number**	**O**	**AN 1/16**
X	**L706**	**170**	**Tariff Item Part**	**O**	**N0 1/2**
X	**L707**	**59**	**Freight Class Code**	**O**	**AN 2/5**
X	**L708**	**173**	**Tariff Supplement Identifier**	**O**	**AN 1/4**
X	**L709**	**46**	**Ex Parte**	**O**	**AN 4/4**
X	**L710**	**373**	**Date**	**O**	**DT 8/8**
X	**L711**	**119**	**Rate Basis Number**	**O**	**AN 1/6**
X	**L712**	**227**	**Tariff Column**	**O**	**AN 1/2**
X	**L713**	**294**	**Tariff Distance**	**O**	**N0 1/5**
X	**L714**	**295**	**Distance Qualifier**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**L715**	**19**	**City Name**	**O**	**AN 2/30**
X	**L716**	**156**	**State or Province Code**	**O**	**ID 2/2**

Segment: **N9** **Reference Identification**
Position: 100
Loop: HL Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: 10
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:
1 At least one of N902 or N903 is required.
2 If N906 is present, then N905 is required.
3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 N906 reflects the time zone which the time reflects.
2 N907 contains data relating to the value cited in N902.
Comments:
Notes:
[27] N9 SEGMENT - Stop-Off Indicator (DG 1001)
SEGMENT CONDITION: This segment is required when describing stop-offs for a shipment unit as part of a SEAVAN consolidation.
[28] N9 SEGMENT - Short Shelf Life Identification Code (DG 1001)
SEGMENT CONDITION: Use for air shipments, when shelf life is applicable.
[29] N9 SEGMENT - TCN (DG 1001)
[30] N9 SEGMENT - Transportation Tracking Number (TTN) (DG 1001)
CHANGE NOTE: Segment added per DM 887.
SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.
[31] N9 SEGMENT - Project Code (DG 1001)
SEGMENT CONDITION: Required when Project Code applies.
[32] N9 SEGMENT - Air Dimension Code (DG 1001)
SEGMENT CONDITION: Required only for air shipments.
[33] N9 SEGMENT - Defense Courier Service Station (DCSS) Collocation Indicator (DG 1001)
SEGMENT CONDITION: Use this segment only for single shipments by Defense Courier Service.
[34] N9 SEGMENT - Estimated Transit Days to POE (DG 1001)
SEGMENT CONDITION: This segment applies to single shipments to a POE not in a SEAVAN/RORO.
[35] N9 SEGMENT - Water Type Cargo Code (DG 1001)
SEGMENT CONDITION: This segment is used only for and required for water shipments.
[36] N9 SEGMENT - Special Handling Code (DG 1001)
Use this segment for shipments transiting through an Air or a Sea Port.
[57] N9 SEGMENT - TCN (DG 2001)
[58] N9 SEGMENT - Transportation Tracking Number (TTN) (DG 2001)
CHANGE NOTE: Segment added per DM 887.
SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.
[59] N9 SEGMENT - Project Code (DG 2001)
SEGMENT CONDITION: Use for 463L pallets only with a single Project Code.
[60] N9 SEGMENT - Consignee Distribution (CDIST) Code (DG 2001)
SEGMENT CONDITION: This segment is required when describing the number of consignees for a single stop or the number of stop-offs for shipment units as part of a SEAVAN/RORO consolidation.
[61] N9 SEGMENT - Estimated Transit Days to POE (DG 2001)
SEGMENT CONDITION: This segment applies to SEAVAN/RORO/463L shipments to a POE.
[62] N9 SEGMENT - Water Type Cargo Code (DG 2001)
SEGMENT CONDITION: This segment is used only for and required for water shipments.
[63] N9 SEGMENT - Special Handling Code (DG 2001)
SEGMENT CONDITION: Use this segment for shipments, except 463L pallet, transiting through an Air or Sea Port.

[64] N9 SEGMENT - Air Dimension Code (DG 2001)
SEGMENT CONDITION: Required for air shipments.
[65] N9 SEGMENT - Short Shelf Life Identification Code (DG 2001)
SEGMENT CONDITION: Use for RORO shipment by air when shelf life is applicable.
[85] N9 SEGMENT - Stop-Off Indicator (DG 3001)
SEGMENT CONDITION: This segment is required when describing stop-offs for a consolidated shipment loaded into a SEAVAN.
[86] N9 SEGMENT - Estimated Transit Days to POE (DG 3001)
SEGMENT CONDITION: This segment applies to consolidations not in a SEAVAN.
[87] N9 SEGMENT - TCN (DG 3001)
[88] N9 SEGMENT - Transportation Tracking Number (TTN) (DG 3001)
CHANGE NOTE: Segment added per DM 887.
SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.
[89] N9 SEGMENT - Project Code (DG 3001)
SEGMENT CONDITION: Required when Project Code applies.
[90] N9 SEGMENT - Short Shelf Life Identification Code (DG 3001)
SEGMENT CONDITION: Use for air shipments, when shelf life is applicable.
[91] N9 SEGMENT - Water Type Cargo Code (DG 3001)
SEGMENT CONDITION: This segment is required for water shipments.
[92] N9 SEGMENT - Special Handling Code (DG 3001)
Use this segment for shipments transiting through an Air or Sea Port.
[93] N9 SEGMENT - Air Dimension Code (DG 3001)
SEGMENT CONDITION: Required for air shipments.
[108] N9 SEGMENT - Basic Issue Item Pieces (DG 5001)
SEGMENT CONDITION: Applies to Government vehicles, trailers, tracked/wheeled guns, and aircraft.
[118] N9 SEGMENT - National Stock Number (NSN)/Part Number (DG 6001)
SEGMENT CONDITION: For a single line item shipment, enter the NSN or the CAGE code and Part number if the NSN is not known. When multiple line items are consolidated and the consolidation container comprises 51 percent or more by weight of a single NSN, enter the NSN (or the CAGE and Part-Number).
[141] N9 SEGMENT - Type of Personal Property Shipment Code (DG 8001)
SEGMENT CONDITION: Use when describing personal property.
[142] N9 SEGMENT - Household Goods and Baggage Carrier SCAC (DG 8001)
SEGMENT CONDITION: Required if ITGBL code is 'T', 'J', or '5'.
[143] N9 SEGMENT - POV License Plate Number (DG 8001)
SEGMENT CONDITION: Use when describing POVs.
[154] N9 SEGMENT - Controlled Inventory Item Code (CIIC) (DG 9013)
CHANGE NOTE: Segment added per DM 842.
SEGMENT CONDITION: Required for all DoD managed inventory items that have a CIIC assigned.
[155] N9 SEGMENT - Classified Shipment Seal Number (DG 9013)
SEGMENT CONDITION: Use for Classified Shipment Container Seal Number. Repeat segment for each different seal number.
[156] N9 SEGMENT - Serial Shipping Container Code (SSCC) (DG 9013)
SEGMENT CONDITION: Use when shipment is marked with a Serial Shipping Container Code (SSCC).
[157] N9 SEGMENT - Direct-Booked Container Contract Number (DG 9013)
SEGMENT CONDITION: Used for Direct-Booked container shipments.
[158] N9 SEGMENT - Direct-Booked Container Booking Number (DG 9013)
SEGMENT CONDITION: Used for Direct-Booked container shipments.
[159] N9 SEGMENT - Direct-Booked Container Declared Value (DG 9013)
SEGMENT CONDITION: Used for Direct-Booked container shipments.
[160] N9 SEGMENT - Direct-Booked Container Voyage Document Number (DG 9013)
SEGMENT CONDITION: Used for Direct-Booked container shipments
[176] N9 SEGMENT - Pallet Configuration Code (DG 9801)
[177] N9 SEGMENT - Cargo Type Classification Code (DG 9801)
[178] N9 SEGMENT - Personal Property Code (DG 9801)
SEGMENT CONDITION: Required for personal property shipments.
[179] N9 SEGMENT - Chain or Devices Tie Down Code (DG 9801)

SEGMENT CONDITION: Use if chain or device is used for tie down.
[180] N9 SEGMENT - Top Net, Side Net, or Strap Tie Down Code (DG 9801)
SEGMENT CONDITION: Use if top net, side net, or strap is used for tie down.
[181] N9 SEGMENT - Center of Balance of Pallet Train (DG 9801)
SEGMENT CONDITION: Use if 463L pallet configuration is a pallet train.
[182] N9 SEGMENT - Pallet Overhang Direction Code (DG 9801)
SEGMENT CONDITION: Required when cargo overhangs the physical edges of the 463L pallet.
[183] N9 SEGMENT - Equivalent Pallet Positions (DG 9801)
[184] N9 SEGMENT - Air Special Handling Code (DG 9801)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N901**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			[27-01] Stop-Off Indicator Qualifier (DG 1001) [28-01] Short Shelf Life Identification Code Qualifier (DG 1001) CHANGE NOTE: Code value 'P5' changed to 'SHL' per DM 810. [29-01] TCN Qualifier (DG 1001) [30-01] Transportation Tracking Number (TTN) Qualifier (DG 1001) [31-01] Project Code Qualifier (DG 1001) [32-01] Air Dimension Code Qualifier (DG 1001) [33-01] DCSS Collocation Indicator Qualifier (DG 1001) [34-01] Estimated Transit Days to POE Qualifier (DG 1001) [35-01] Water Type Cargo Code Qualifier (DG 1001) [36-01] Special Handling Code Qualifier (DG 1001) [57-01] TCN Qualifier (DG 2001) [58-01] Transportation Tracking Number (TTN) Qualifier (DG 2001) [59-01] Project Code Qualifier (DG 2001) [60-01] Consignee Distribution (CDIST) Code Qualifier (DG 2001) NOTE: Code changed from 'QN' to '6A' per DM 1021. [61-01] Estimated Transit Days to POE Qualifier (DG 2001) [62-01] Water Type Cargo Code Qualifier (DG 2001) [63-01] Special Handling Code Qualifier (DG 2001) [64-01] Air Dimension Code Qualifier (DG 2001) [65-01] Short Shelf Life Identification Code Qualifier (DG 2001) [85-01] Stop-Off Indicator Qualifier (DG 3001) [86-01] Estimated Transit Days to POE Qualifier (DG 3001) [87-01] TCN Qualifier (DG 3001) [88-01] Transportation Tracking Number (TTN) Qualifier (DG 3001) [89-01] Project Code Qualifier (DG 3001) [90-01] Short Shelf Life Identification Code Qualifier (DG 3001) [91-01] Water Type Cargo Code Qualifier (DG 3001) [92-01] Special Handling Code Qualifier (DG 3001) [93-01] Air Dimension Code Qualifier (DG 3001) [108-01] Basic Issue Item (BII) Qualifier (DG 5001) [118-01] NSN/Part Number Qualifier (DG 6001) [141-01] Type of Personal Property Shipment Code Qualifier (DG 8001) [142-01] Household Goods and Baggage Carrier SCAC Qualifier (DG 8001) [143-01] POV License Plate Number Qualifier (DG 8001) [154-01] Controlled Inventory Item Code Qualifier (DG 9013) [155-01] Classified Shipment Seal Number Qualifier (DG 9013) [156-01] SSCC Qualifier (DG 9013) [157-01] Direct-Booked Container Contract Number Qualifier (DG 9013) [158-01] Direct-Booked Container Booking Number Qualifier (DG 9013) [159-01] Declared Value Qualifier (DG 9013) [160-01] Voyage Document Number Qualifier (DG 9013) [176-01] Pallet Configuration Code Qualifier (DG 9801) [177-01] Cargo Type Classification Code Qualifier (DG 9801) [178-01] Personal Property Code Qualifier (DG 9801)		

	[179-01] Chain or Devices Tie Down Code Qualifier (DG 9801) [180-01] Top Net, Side Net, or Strap Tie Down Code Qualifier (DG 9801) [181-01] Center of Balance Qualifier (DG 9801) [182-01] Pallet Overhang Direction Code Qualifier (DG 9801) [183-01] Equivalent Pallet Positions Qualifier (DG 9801) [184-01] Air Special Handling Code Qualifier (DG 9801)
18	Plan Number
	The unique identification number assigned for a defined contribution plan
	[30-01] Plan Number Use '18' to denote Transportation Tracking Number (TTN) [58-01] Plan Number Use '18' to denote Transportation Tracking Number (TTN) [88-01] Plan Number Use '18' to denote Transportation Tracking Number (TTN)
6A	Consignee Reference Number
	[60-01] Consignee Reference Number Use '6A' to denote Consignee Distribution (CDIST) Code
8R	Security Type
	[154-01] Security Type Use '8R' to denote Controlled Inventory Item Code [179-01] Security Type Use '8R' to denote Chain or Devices Tie Down Code
8X	Transaction Category or Type
	[177-01] Transaction Category or Type Use '8X' to denote Cargo Type Classification Code
8Z	Alternate Clause Number
	[183-01] Alternate Clause Number Use '8Z' to denote Number of Equivalent Pallet Positions
ADM	Air Dimension Code
	[32-01] Air Dimension Code [64-01] Air Dimension Code [93-01] Air Dimension Code
AHC	Air Handling Code
	[36-01] Air Handling Code [63-01] Air Handling Code [92-01] Air Handling Code
AR	Arrival Code
	[34-01] Arrival Code Use 'AR' to denote Estimated Transit Days to POE [61-01] Arrival Code Use 'AR' to denote Estimated Transit Days to POE [86-01] Arrival Code Use 'AR' to denote Estimated Transit Days to POE
BN	Booking Number
	[158-01] Booking Number
COL	Collocation Indicator
	[33-01] Collocation Indicator
CT	Contract Number
	[157-01] Contract Number

D7	Coverage Code Type of protection provided by an insurance policy [184-01] Coverage Code Use 'D7' to denote Air Special Handling Code
GY	Empty Repositioning Number Number used to authorize and track an empty container or bare chassis or generator set being repositioned for later use [182-01] Empty Repositioning Number Use 'GY' to denote Pallet Overhang Direction Code
HHT	Type of Household Goods Code [141-01] Type of Household Goods Code
LA	Shipping Label Serial Number [156-01] Shipping Label Serial Number Use 'LA' to denote SSCC
LV	License Plate Number [143-01] License Plate Number
NS	National Stock Number [118-01] National Stock Number
P4	Project Code [31-01] Project Code [59-01] Project Code [89-01] Project Code
P5	Position Code [181-01] Position Code Use 'P5' to denote Center of Balance
PHC	Process Handling Code [35-01] Process Handling Code [62-01] Process Handling Code Use 'PHC' to denote Water Type Cargo Code [91-01] Process Handling Code Use 'PHC' to denote Water Type Cargo Code
PM	Part Number [118-01] Part Number Use 'PM' to denote CAGE + Part Number
PR	Price Quote Number [159-01] Price Quote Number Use 'PR' to denote Declared Value
Q5	Property Control Number [178-01] Property Control Number Use 'Q5' to denote Personal Property Code
QN	Stop Sequence Number [27-01] Stop Sequence Number [85-01] Stop Sequence Number
SCA	Standard Carrier Alpha Code (SCAC) [142-01] Standard Carrier Alpha Code (SCAC)
SHL	Shelf Life Indicator [28-01] Shelf Life Indicator Use 'SHL' to denote Short Shelf Life Code [65-01] Shelf Life Indicator [90-01] Shelf Life Indicator Use 'SHL' to denote Short Shelf Life Identification Code
SN	Seal Number [155-01] Seal Number Use 'SN' to denote Classified Shipment Seal Number

SU	Special Processing Code Unique code identifying the special handling requirements for the claim [36-01] Special Processing Code Use 'SU' to denote Water Special Handling Code [63-01] Special Processing Code Use 'SU' to denote Water Special Handling Code [92-01] Special Processing Code Use 'SU' to denote Water Special Handling Code
TG	Transportation Control Number (TCN) [29-01] Transportation Control Number (TCN) [57-01] Transportation Control Number (TCN) [87-01] Transportation Control Number (TCN)
V3	Voyage Number [160-01] Voyage Number Use 'V3' to denote Military Voyage Number
WL	Federal Supply Classification Code [176-01] Federal Supply Classification Code Use 'WL' to denote Pallet Configuration Code
Z3	Safety Equipment Certificate Number of a document specifying and guaranteeing the safety equipment on board a vessel [180-01] Safety Equipment Certificate Use 'Z3' to denote Top Net, Side Net, or Strap Tie Down Code
ZZ	Mutually Defined [108-01] Mutually Defined Use 'ZZ' to denote Basic Issue Item Number Information

>> N902 127 Reference Identification X AN 1/30

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

[27-02] Stop-Off Indicator (DG 1001)
Enter the stop-off sequence number for the shipment. Sequence numbers range from 1-9. For cargo going to the final destination of the SEAVAN, enter value 'Z'.
[28-02] Short Shelf Life Identification Code (DG 1001)
For short shelf-life items, enter one of the following values (Short Shelf Life Identification Codes):
[29-02] TCN (DG 1001)
Enter the TCN of the shipment unit.
[30-02] Transportation Tracking Number (TTN) (DG 1001)
[31-02] Project Code (DG 1001)
[32-02] Air Dimension Code (DG 1001)
[33-02] DCSS Collocation Indicator (DG 1001)
Enter value '9' if DCS Station and APOE are co-located; otherwise enter value 'X'.
[34-02] Estimated Transit Days to POE (DG 1001)
This figure expresses the number of days from expected time of departure from the shipper to expected time of arrival at the POE. Zero (0) is a valid entry.
[35-02] Water Type Cargo Code (DG 1001)
This is paired with the Water Commodity Code that is mapped to the L5 Segment (HL loop position 130).
[36-02] Special Handling Code (DG 1001)
For water shipments, enter the one-position water special handling code from Appendix LL of the DTR Part II. This is paired with the water commodity code mapped to the L5 segment (HL loop position 130).

For air shipments, enter the special handling code from Appendix Z of the DTR Part II.

SOURCE: Defense Transportation Regulations
[57-02] TCN (DG 2001)
Enter the TCN of the consolidated shipment unit.
[58-02] Transportation Tracking Number (TTN) (DG 2001)
[59-02] Project Code (DG 2001)
[60-02] Consignee Distribution (CDIST) Code (DG 2001)
For ROROs, enter 'S' for single consignee and 'M' for multiple consignees.

For SEAVAN shipments, use the following values:

S - Single consignee at a single destination.
M - Multiple consignees via a break bulk point for distribution to the consignees.
C - Multiple consignees via a centralized receiving point for distribution to the ultimate consignees.
1-9 - Multiple consignees via stop offs. Enter the number of stop offs, excluding the final consignee.
[61-02] Estimated Transit Days to POE (DG 2001)
This figure expresses the number of days from expected time of departure from the shipper to expected time of arrival at the POE. Zero (0) is a valid entry.
[62-02] Water Type Cargo Code (DG 2001)
This is paired with the water commodity code that is mapped to the L5 Segment (HL loop position 130).
[63-02] Special Handling Code (DG 2001)
For water shipments, enter the one-position Special Handling Code from Appendix LL of the DTR Part II. This is paired with the water commodity code mapped to the L5 segment (HL loop position 130).

For air shipments, enter the special handling code from Appendix Z of the DTR Part II.
SOURCE: DTR Part II
[64-02] Air Dimension Code (DG 2001)
[65-02] Short Shelf Life Identification Code (DG 2001)
CHANGE NOTE: Value 'Z' changed to 'X' per DM 810.

For short shelf-life items, enter one of the following values to denote the DoD definition indicated:
[85-02] Stop-Off Indicator (DG 3001)
Enter the stop-off sequence number for the SEAVAN, where the consolidated shipment should be delivered. Sequence numbers range from 1-9. For cargo going to the final destination of the SEAVAN, enter value 'Z'.
[86-02] Estimated Transit Days to POE (DG 3001)
This figure expresses the number of days from expected time of departure from the shipper to expected time of arrival at the POE (estimated days in transit).
[87-02] TCN (DG 3001)
Enter the TCN of the consolidated shipment unit.
[88-02] Transportation Tracking Number (TTN) (DG 3001)
[89-02] Project Code (DG 3001)
[90-02] Short Shelf Life Identification Code (DG 3001)
For short shelf-life items, enter one of the following values (Short Shelf Life Identification Codes):
.
CHANGE NOTE: Value 'X' replaced value 'Z' per DM 838.
[91-02] Water Type Cargo Code (DG 3001)
This is paired with the water commodity code that is mapped to the L5 Segment (HL loop position 130).
[92-02] Special Handling Code (DG 3001)
For water shipments, enter the one-position special handling code from Appendix LL of the DTR Part II. This is paired with the water commodity code mapped to the L5 segment (HL loop position 130).

For air shipments, enter the special handling code from Appendix Z of the DTR Part II.
[93-02] Air Dimension Code (DG 3001)
[108-02] Basic Issue Item (BII) Pieces (DG 5001)
Indicate the number of pieces of BII. (Example: BII02 for two BII items). Occurs once for each shipment unit (T_0/1/4).
[118-02] NSN/Part Number (DG 6001)
Enter one NSN or one concatenated CAGE + Part Number (whenever NSN in unavailable) per HL loop.
[141-02] Type of Personal Property Shipment Code (DG 8001)
Select the applicable Personal Property Shipment Code from the TRANSCOM Reference Data Management table Personal Property Shipment-Unit TCN Type Code (Part II, Appendix L). (D_PRSNL_PRPRTY_S2_CD), mirrored at http://www.ustranscom.mil/cmd/associated/dteb/files/refdata/V_D_PRSNL_PRPRTY_S2_CD.htm
SOURCE: Table Management Distribution System (TMDS)
[142-02] Household Goods and Baggage Carrier SCAC (DG 8001)
Enter HHG and Baggage Carrier SCAC.
[143-02] POV License Plate Number (DG 8001)
Enter full plate letters/numbers of license plate.
[154-02] Controlled Inventory Item Code (DG 9013)
Enter CIIC from the authoritative code source.
SOURCE: DoD 4100.39R (FLIS Manual) Volume 10, Table 61
[155-02] Classified Shipment Seal Number (DG 9013)
Enter seal number.
[156-02] SSCC (DG 9013)
Enter SSCC (numeric value).
[157-02] Direct-Booked Container Contract Number (DG 9013)
Enter the contract number under which the Direct-Booked container is moving.
[158-02] Direct-Booked Container Booking Number (DG 9013)
Enter the booking number under which the Direct-Booked container is moving.
[159-02] Declared Value (DG 9013)
Enter the declared value of the Direct-Booked cargo. This field is expressed as a dollar amount and contains an explicit decimal point in the third position from the right to express cents. The decimal point must be present and is considered a character in the maximum field length.
[160-02] Military Voyage Number (DG 9013)
Enter the military assigned Voyage Number under which the Direct-Booked container is moving.
[176-02] Pallet Configuration Code (DG 9801)
SOURCE: Table Management Distribution System (TMDS)
[178-02] Personal Property Code (DG 9801)
Select the applicable Personal Property Shipment Code from the TRANSCOM Reference Data Management table Personal Property Shipment-Unit TCN Type Code (Part II, Appendix L). (D_PRSNL_PRPRTY_S2_CD), mirrored at http://www.ustranscom.mil/cmd/associated/dteb/files/refdata/V_D_PRSNL_PRPRTY_S2_CD.htm
SOURCE: Table Management Distribution System (TMDS)
[179-02] Chain or Devices Tie Down Indicator (DG 9801)
Enter value 'CHAIN' to denote Chain or Devices Tie Down.
[180-02] Top Net, Side Net, or Strap Tie Down Indicator (DG 9801)
Enter value 'NET' to denote Top Net, Side Net, or Strap Tie Down.
[181-02] Center of Balance of Pallet Train (DG 9801)
Enter Center of Balance of Pallet Train in inches.
[182-02] Pallet Overhang Direction Code (DG 9801)
Enter one of the following values as appropriate:
[183-02] Equivalent Pallet Positions (DG 9801)
Enter the number of Equivalent Pallet Positions. Include an explicit decimal point. Use only one decimal place. Do not enter a leading space (' ').
[184-02] Air Special Handling Code (DG 9801)
Enter the Air Special Handling Code. If special handling is not required, enter

value 'Z'.
SOURCE: DTR Part II, Appendix Z

A	New Code Added by IC
	[182-02] Aft
B	New Code Added by IC
	[182-02] Both
BC	New Code Added by IC
	[176-02] BELLY CARGO
F	New Code Added by IC
	[182-02] Front
K	New Code Added by IC
	[28-02] General Services Administration (GSA)-managed Sealants/Adhesives [65-02] GSA-managed sealants/adhesives [90-02] General Services Administration (GSA)-managed sealants/adhesives
LS	New Code Added by IC
	[176-02] LOOSE CARGO
M	New Code Added by IC
	[28-02] Medical Items [65-02] Medical Items [90-02] Medical Items
PC	New Code Added by IC
	[176-02] PALLETIZED CARGO
RS	New Code Added by IC
	[176-02] ROLLING STOCK
SD	New Code Added by IC
	[176-02] CARGO ON SKID
T2	New Code Added by IC
	[176-02] PALLET TRAIN CONSISTING OF 2 PALLETS
T3	New Code Added by IC
	[176-02] PALLET TRAIN CONSISTING OF 3 PALLETS
T4	New Code Added by IC
	[176-02] PALLET TRAIN CONSISTING OF 4 PALLETS
T5	New Code Added by IC
	[176-02] PALLET TRAIN CONSISTING OF 5 PALLETS
T6	New Code Added by IC
	[176-02] PALLET TRAIN CONSISTING OF 6 PALLETS
T7	New Code Added by IC
	[176-02] PALLET TRAIN CONSISTING OF 7 PALLETS
X	New Code Added by IC
	[28-02] All Other Short Shelf-life Items [65-02] Any Other Commodity with Limited Shelf Life [90-02] All Other Short Shelf-life Items

>>	**N903**	**369**	**Free-form Description**	**X**	**AN 1/45**
			Free-form descriptive text		
			[143-03] POV License Plate - U.S. State Abbreviation (DG 8001) Enter abbreviation for state issuing vehicle license plate. If none, enter NO. [160-03] Voyage Document Year (DG 9013) Enter the four digit year associated to the Voyage Document Number. [177-03] Cargo Type Classification Code (DG 9801) SOURCE: Table Management Distribution System (TMDS)		
			G — New Code Added by IC [177-03] General Cargo		
			M — New Code Added by IC [177-03] Mixtures of G and S		
			S — New Code Added by IC [177-03] Cargo Requiring Special Handling		
			U — New Code Added by IC [177-03] Mail		
			Y — New Code Added by IC [177-03] Signature Service		
X	**N904**	**373**	**Date**	**O**	**DT 8/8**
X	**N905**	**337**	**Time**	**X**	**TM 4/8**
X	**N906**	**623**	**Time Code**	**O**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
>>	**N907**	**C040**	**Reference Identifier**	**O**	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
			[179-07] COMPOSITE DE - Tie Down Code Header (DG 9801) [180-07] COMPOSITE DE - Tie Down Code Header (DG 9801)		
M	**C04001**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			[179-07-01] Chain Tie Down Code (DG 9801) [180-07-01] Top Net Tie Down Code (DG 9801)		
			01 — American Bankers Assoc. (ABA) Transit/Routing Number (Including Check Digit, 9 Digits) [179-07-01] American Bankers Assoc. (ABA) Transit/Routing Number (Including Check Digit, 9 Digits) Use '01' to denote 01 C-Chain		
			03 — Clearing House Interbank Payment System (CHIPS) Participant Number (3 or 4 Digits) [180-07-01] Clearing House Interbank Payment System (CHIPS) Participant Number (3 or 4 Digits) Use '03' to denote T - Top Net		
M	**C04002**	**127**	**Reference Identification**	**M**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			[179-07-02] Chain Quantity (DG 9801) Enter quantity of chains. ELEMENT CONDITION: Required if N907 code value of '01' is used. [180-07-02] Top Net Quantity (DG 9801) Enter quantity of top nets. ELEMENT CONDITION: Required if N907 code value of '03' is used.		

C04003	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**
		Code qualifying the Reference Identification [179-07-03] Devices Tie Down Code (DG 9801) [180-07-03] Side Net Tie Down Code (DG 9801) 02 — Society for Worldwide Interbank Financial Telecommunication (S.W.I.F.T.) Identification (8 or 11 Characters) [179-07-03] Society for Worldwide Interbank Financial Telecommunication (S.W.I.F.T.) Identification (8 or 11 Characters) Use '02' to denote D - Device 04 — Canadian Financial Institution Branch and Institution Number [180-07-03] Canadian Financial Institution Branch and Institution Number Use '04' to denote N - Side Net		
C04004	**127**	**Reference Identification**	**X**	**AN 1/30**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier [179-07-04] Devices Quantity (DG 9801) Enter quantity of devices. ELEMENT CONDITION: Required if N907 code value of '02' is used. [180-07-04] Side Net Quantity (DG 9801) Enter quantity of side nets. ELEMENT CONDITION: Required if N907 code value of '04' is used.		
C04005	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**
		Code qualifying the Reference Identification [180-07-05] Strap Tie Down Code (DG 9801) 05 — Clearing House Interbank Payment System (CHIPS) User Identification (6 digits) [180-07-05] Clearing House Interbank Payment System (CHIPS) User Identification (6 digits) Use '05' to denote Strap		
C04006	**127**	**Reference Identification**	**X**	**AN 1/30**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier [180-07-06] Strap Quantity (DG 9801) Enter quantity of straps. ELEMENT CONDITION: Required if N907 code value of '05' is used.		

Segment: **H3** **Special Handling Instructions**
Position: 105
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify special handling instructions in coded or free-form format
Syntax Notes: **1** Only one of H301 or H302 may be present.
Semantic Notes:
Comments:
Notes: [37] H3 SEGMENT - Special Requirements Code (DG 1001)
SEGMENT CONDITION: Use this segment when a Special Requirements Code applies. Do not enter a Julian date for the Special Requirements Code.
[66] H3 SEGMENT - Special Requirements Code (DG 2001)
SEGMENT CONDITION: Use this segment when a Special Requirements Code applies. Do not enter a Julian date for the Special Requirements Code.
[94] H3 SEGMENT - Special Requirements Code (DG 3001)
SEGMENT CONDITION: Use this segment when a Special Requirements Code applies. Do not enter a Julian date for the Special Requirements Code.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
X	**H301**	**152**	**Special Handling Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 2/3**
>>	**H302**	**153**	**Special Handling Description** Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate [37-02] Special Requirements Code (DG 1001) Code list includes supplysupply Special Requirements Codes '444', '555', '777', '999', 'Exx', 'Nxx', 'Sxx' and 'Xxx'. (As a measure of consistency between this 858B IC and the 856A IC enter triple-position codes 'Exx', 'Nxx', 'Sxx' and 'Xxx' where the first byte is literal and the 'xx' represent any valid alpha-numeric value that completes the code as defined by the Supply Community). Change per DM 1014 [66-02] Special Requirements Code (DG 2001) Code list includessupply Special Requirements Codes '444', '555', '777', '999', 'Exx', 'Nxx', 'Sxx' and 'Xxx'. (As a measure of consistency between this 858B IC and the 856A IC enter triple-position codes 'Exx', 'Nxx', 'Sxx' and 'Xxx' where the first byte is literal and the 'xx' represent any valid alpha-numeric value that completes the code as defined by the Supply Community). Change per DM 1014 [94-02] Special Requirements Code (DG 3001) Code list includessupply Special Requirements Codes '444', '555', '777', '999', 'Exx', 'Nxx', 'Sxx' and 'Xxx'. (As a measure of consistency between this 858B IC and the 856A IC enter triple-position codes 'Exx', 'Nxx', 'Sxx' and 'Xxx' where the first byte is literal and the 'xx' represent any valid alpha-numeric value that completes the code as defined by the Supply Community). Change per DM 1014	**X**	**AN 2/30**
X	**H303**	**241**	**Protective Service Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 1/4**
X	**H304**	**242**	**Vent Instruction Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 1/7**
X	**H305**	**257**	**Tariff Application Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 1/1**

Segment: **L5** **Description, Marks and Numbers**
Position: 130
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify the line item in terms of description, quantity, packaging, and marks and numbers
Syntax Notes:
1 If either L503 or L504 is present, then the other is required.
2 If L507 is present, then L506 is required.
3 If either L508 or L509 is present, then the other is required.
Semantic Notes:
Comments:
1 L502 may be used to send quantity information as part of the product description.
Notes:
[38] L5 SEGMENT - Air Commodity Code and Federal Supply Class (DG 1001)
SEGMENT CONDITION: Required for and used only for air shipments.
[39] L5 SEGMENT - Water Commodity Code (DG 1001)
SEGMENT CONDITION: Required for and used only for water shipments.
[40] L5 SEGMENT - Non Palletized Mail Registry Number (DG 1001)
SEGMENT CONDITION: Use when Non Palletized Mail Registry applies.
[67] L5 SEGMENT - Air Commodity Code (DG 2001)
SEGMENT CONDITION: Required for and used only for air shipments.
[68] L5 SEGMENT - Water Commodity Code (DG 2001)
SEGMENT CONDITION: Use for Water Commodity Codes.
[69] L5 SEGMENT - Reefer Temperature (DG 2014)
SEGMENT CONDITION: Use this element when reefer cargo must be maintained within a specified temperature range.
[95] L5 SEGMENT - Air Commodity Code (DG 3001)
SEGMENT CONDITION: Required for and used only for air shipments.
[96] L5 SEGMENT - Water Commodity Code (DG 3001)
SEGMENT CONDITION: Required for and used only for water shipments.
[144] L5 SEGMENT - POV Make and Color (DG 8001)
SEGMENT CONDITION: Required when describing Privately-Owned Vehicle (POV).

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
X	**L501**	**213**	**Lading Line Item Number**	**O**	**N0 1/3**
>>	**L502**	**79**	**Lading Description**	**O**	**AN 1/50**
			Description of an item as required for rating and billing purposes		
			[144-02] POV Make (DG 8001) Enter the first 25 letters of the POV make.		
>>	**L503**	**22**	**Commodity Code**	**X**	**AN 1/30**
			Code describing a commodity or group of commodities		
			[38-03] Air Commodity Code (DG 1001) This is paired with the special handling code that is mapped to the N9 segment (HL loop position 100). [39-03] Water Commodity Code (DG 1001) [40-03] Non Palletized Mail Registry Number (DG 1001) [67-03] Air Commodity Code (DG 2001) This is paired with the special handling code that is mapped to the N9 segment (HL loop position 100). [68-03] Water Commodity Code (DG 2001) This is paired with the water Type Cargo Code and the Special Handling Code that are mapped to the N9 segments (HL loop position 100). [69-03] Reefer Temperature (DG 2014) For reefer vans, enter the temperature or temperature range required to properly maintain the cargo, e.g., 34 degrees is shown as 34, 34 to 41degrees is shown as 34-41. CHANGE NOTE: Use L503 (rather than L502) for Reefer Temperature per		

DM 763.
[95-03] Air Commodity Code (DG 3001)
This is paired with the special handling code that is mapped to the N9 segment (HL loop position 100).
[96-03] Water Commodity Code (DG 3001)
This is paired with the Water Type Cargo Code and the Special Handling Code that are mapped to the N9 segments (HL loop position 100).

>>	**L504**	**23**	**Commodity Code Qualifier**	**X**	**ID 1/1**

Code identifying the commodity coding system used for Commodity Code

[38-04] Air Commodity Code Qualifier (DG 1001)
[39-04] Water Commodity Code Qualifier (DG 1001)
[40-04] Non Palletized Mail Registry Number Qualifier (DG 1001)
[67-04] Air Commodity Code Qualifier (DG 2001)
[68-04] Water Commodity Code Qualifier (DG 2001)
[69-04] Reefer Temperature Qualifier (DG 2014)
[95-04] Air Commodity Code Qualifier (DG 3001)
[96-04] Water Commodity Code Qualifier (DG 3001)

C	Canadian Freight Classification
	[69-04] Canadian Freight Classification Use 'C' to denote Reefer Temperature measured in Centigrade
D	Department of Defense Unique Codes
	[40-04] Department of Defense Unique Codes Use 'D' to denote Non Palletized Mail Registry Number
F	National Stock Number
	[69-04] National Stock Number Use 'F' to denote Fahrenheit
I	Milstamp AITC or Water Commodity Code
	[39-04] Milstamp AITC or Water Commodity Code [68-04] Milstamp AITC or Water Commodity Code Use 'I' to denote Water Commodity Code [96-04] Milstamp AITC or Water Commodity Code
Z	Mutually defined
	[38-04] Mutually defined Use 'Z' to denote Air Commodity Code [67-04] Mutually defined Use 'Z' to denote Water Special Handling Code [95-04] Mutually defined Use 'Z' to denote Air Commodity Code

X	**L505**	**103**	**Packaging Code**	**O**	**AN 3/5**

Refer to 004010 Data Element Dictionary for acceptable code values.

	L506	**87**	**Marks and Numbers**	**X**	**AN 1/48**

Marks and numbers used to identify a shipment or parts of a shipment

[144-06] POV Color (DG 8001)
Enter predominate POV color.

X	**L507**	**88**	**Marks and Numbers Qualifier**	**O**	**ID 1/2**

Refer to 004010 Data Element Dictionary for acceptable code values.

	L508	**23**	**Commodity Code Qualifier**	**X**	**ID 1/1**

Code identifying the commodity coding system used for Commodity Code

[38-08] Federal Supply Class Qualifier (DG 1001)
ELEMENT CONDITION: Use for air shipments if Federal Supply Class furnished by the application system.

K	Federal Supply Classification
	[38-08] Federal Supply Classification

	L509	**22**	**Commodity Code** Code describing a commodity or group of commodities [38-09] Federal Supply Class (DG 1001) ELEMENT CONDITION: Use for air shipments if furnished by the application system.	**X**	**AN 1/30**
X	**L510**	**595**	**Compartment ID Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 1/1**

Segment: **Y7** **Priority**
Position: 137
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To assign a priority to a booking which would increase the possibility that this cargo would be booked on said voyage and not be shut out
Syntax Notes: **1** If either Y702 or Y703 is present, then the other is required.
Semantic Notes: **1** Y705 is the date specified by the shipper indicating when the shipment is required at the consignee's location.
Comments:
Notes: [41] Y7 SEGMENT - Transportation Priority Code (DG 1001)
SEGMENT CONDITION: Use when priority code applies.
[70] Y7 SEGMENT - Transportation Priority Code (DG 2001)
SEGMENT CONDITION: Use when priority code applies.
[97] Y7 SEGMENT - Transportation Priority Code (DG 3001)
SEGMENT CONDITION: Use when Priority Code applies.
[185] Y7 SEGMENT - Priority (DG 9801)
SEGMENT CONDITION: Required for other than a Unit Move pallet. By definition Unit Move pallet does not have a shipment priority.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**Y701**	**467**	**Priority** Number indicating importance [41-01] Transportation Priority Code (DG 1001) Enter the transportation priority of the shipment unit. Valid values are '1', '2', '3', or '4' [70-01] Transportation Priority Code (DG 2001) Enter the highest transportation priority contained in the loaded SEAVAN/RORO/463L. [97-01] Transportation Priority Code (DG 3001) Enter the highest transportation priority loaded in the shipment unit.	**O N0 1/1**
>>	**Y702**	**470**	**Priority Code** Code indicating level of priority: 1-highest, 0-implies priority not assigned [185-02] Highest Transportation Priority (DG 9801) Enter highest priority on the pallet.	**X N0 1/1**
>>	**Y703**	**471**	**Priority Code Qualifier** Number indicating the number of levels of priority (1 to 9) used for data element 470, Priority Code [185-03] Special Priority (DG 9801) CHANGE NOTE: Requirement attribute changed and user note modified per DM 821. Enter the following Special Priority as applicable: 0 New Code Added by IC [185-03] No Special Priority 4 New Code Added by IC [185-03] 444 5 New Code Added by IC [185-03] 555 7 New Code Added by IC [185-03] 777 9 New Code Added by IC [185-03] 999	**X AN 1/1**

			E	New Code Added by IC		
				[185-03] Anticipated NMCS		
			F	New Code Added by IC		
				[185-03] FSS - Forward Supply System		
			G	New Code Added by IC		
				[185-03] Green Sheet		
			N	New Code Added by IC		
				[185-03] NMCS		
			P	New Code Added by IC		
				[185-03] Purple Sheet		
X	**Y704**	**468**	**Port Call File Number**		**O**	**N0 4/4**
X	**Y705**	**373**	**Date**		**O**	**DT 8/8**

Segment: **G62** **Date/Time**
Position: 138
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of G6201 or G6203 is required.
2 If either G6201 or G6202 is present, then the other is required.
3 If either G6203 or G6204 is present, then the other is required.
Semantic Notes:
Comments:
Notes:
[42] G62 SEGMENT - Date/Time (UTC) Shipped to POE (DG 1001)
SEGMENT CONDITION: Required for air and water shipments to a POE -- not for shipments to a CCP or for shipments loaded at POE.
[43] G62 SEGMENT - Required Delivery Date (RDD) (UTC) (DG 1001)
SEGMENT CONDITION: Use when RDD furnished by the application system is a Julian date.
[71] G62 SEGMENT - Date/Time (UTC) Shipped to POE (DG 2001)
SEGMENT CONDITION: Required for air and water shipment to a POE - not for shipment to a CCP or for shipment loaded at POE.
[72] G62 SEGMENT - Contractual RDD (UTC) (DG 2001)
Required Delivery Date (RDD) should also be provided in the G62 Segment (Required Delivery Date) if available.

CHANGE NOTE: Segment added per DM 839.
SEGMENT CONDITION: Use when a commercial ocean booking RDD is provided.
[73] G62 SEGMENT - Required Delivery Date (RDD) (UTC) (DG 2001)
SEGMENT CONDITION: Use when RDD furnished by the application system as Julian date.
[98] G62 SEGMENT - Date/Time (UTC) Shipped to POE (DG 3001)
SEGMENT CONDITION: Required for air and water shipments to a POE - not for shipments to a CCP or for shipments loaded at POE.
[99] G62 SEGMENT - Required Delivery Date (RDD) (DG 3001)
SEGMENT CONDITION: Use when RDD furnished by the application system.
[186] G62 SEGMENT - Pallet Departure Date/Time (UTC) from APOE (DG 9801)
SEGMENT CONDITION: Required when pallet departs from APOE.
[187] G62 SEGMENT - Estimated Date/Time (UTC) Arrival at APOE (DG 9801)
SEGMENT CONDITION: Use for capped pallets originating at other than APOE and which are going to an APOE.
[188] G62 SEGMENT - Pallet Closed Date (UTC) (DG 9801)
SEGMENT CONDITION: Required when the following NTE02 at Position 140 contains 'C'.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**G6201**	**432**	**Date Qualifier** Code specifying type of date [42-01] Date (UTC) Shipped to POE Qualifier (DG 1001) [43-01] Required Delivery Date (RDD) Qualifier (DG 1001) [71-01] Date (UTC) Shipped to POE Qualifier (DG 2001) Use code value '17' when DLA-sourced 463L air pallet processing status code values 'C' and 'T' (NTE02 - DG 9801). CHANGE NOTE: Code value '17' and user note added per DM 807. [72-01] Contractual RDD Qualifier (DG 2001) [73-01] Required Delivery Date (RDD) Qualifier (DG 2001) [98-01] Date (UTC) Shipped to POE Qualifier (DG 3001) [99-01] Required Delivery Date (RDD) Qualifier (DG 3001) [186-01] Pallet Departure Date Qualifier (DG 9801)	**X ID 2/2**

[187-01] Estimated Date Qualifier (DG 9801)
[188-01] Pallet Closed Date Qualifier (DG 9801)

17	Estimated Delivery Date
	[71-01] Estimated Delivery Date Use '17' to denote Estimated Date/Time Shipped to POE
54	Deliver No Later Than Date
	[43-01] Deliver No Later Than Date Use '54' to denote RDD [73-01] Deliver No Later Than Date [99-01] Deliver No Later Than Date
BD	Required By
	The date when material is required to be on a site available for use
	[72-01] Required By Use 'BD' to denote Contractual RDD
BP	Contract Closed
	Date contract was administratively completed and closed
	[188-01] Contract Closed Use 'BP' to denote Pallet Closed Date
BR	Date Delivery Commenced
	Date that delivery process is initiated
	[186-01] Date Delivery Commenced Use 'BR' to denote Pallet Departure Date. Name Description
SE	Date Shipped to Port of Embarkation (POE)
	[42-01] Date Shipped to Port of Embarkation (POE) [71-01] Date Shipped to Port of Embarkation (POE) [98-01] Date Shipped to Port of Embarkation (POE) [187-01] Date Shipped to Port of Embarkation (POE) Use 'SE' to denote Estimated Date Arrival at APOE

>> G6202 373 Date X DT 8/8

Date expressed as CCYYMMDD

[42-02] Date (UTC) Shipped to POE (DG 1001)
For air shipments, the date appears in DTR TCMD T_0/1/2/4 record. This date is paired with the time in G6204. The DTR value is an ordinal number that represents a day of the year on a 365 day calendar. Convert the ordinal to a standard date format of CCYYMMDD. (Example: ordinal value 23 could equal days 23, 123, 223, or 323.)

For water shipments, the date appears in Julian format in DTR TCMD T_0/1/2/4 record positions 60/62. That value should be converted to the CCYYMMDD
format and carried here.
[43-02] Required Delivery Date (RDD) (UTC) (DG 1001)
This is the calendar date, specified by the requisitioner, when material is required by the requisitioner. It is not a date assigned by the shipper.
[71-02] Date (UTC) Shipped to POE (DG 2001)
For air shipments, the date appears in DTR TCMD T_2 record positions 61/62. This date is paired with the time in G6204. The DTR value is an ordinal number that represents a day of the year on a 365 day calendar. Convert the ordinal to a standard date format of CCYYMMDD. (Example: ordinal value 23 could equal days 23, 123, 223, or 323).

For water shipments, the date appears in Julian format in DTR TCMD T_2 record positions 60/62.
[72-02] Contractual RDD (DG 2001)
Enter the contractual booking RDD which was accepted by the ocean carrier during the booking process as YYYYMMDD. Specify date in Coordinated Universal Time (UTC).

[73-02] Required Delivery Date (RDD) (UTC) (DG 2001)
If DTR TCMD T_2 record positions 54/56 are other than 1 to 366, then map to H302 (HL loop position 105) as an expedited handling code.
[98-02] Date (UTC) Shipped to POE (DG 3001)
For air shipments, the date appears in DTR TCMD T_3 record positions 61/62. This date is paired with the time in G6204. The DTR value is an ordinal number that represents a day of the year on a 365 day calendar. Convert the ordinal to a standard date format of CCYYMMDD. (Example: ordinal value 23 could equal days 23, 123, 223, or 323)

For water shipments, the date appears in Julian format in DTR TCMD T_3 record positions 60/62.
[99-02] Required Delivery Date (RDD) (DG 3001)
If DTR TCMD T_3 record positions 54/56 are other than 1 to 366, then map to H302 (HL loop position 105) as an expedited handling code.
[186-02] Pallet Departure Date (UTC) from APOE (DG 9801)
Enter Pallet Departure Date (UTC) from APOE using CCYYMMDD format.
[187-02] Estimated Date (UTC) Arrival at APOE (DG 9801)
Enter Estimated Date (UTC) Arrival at APOE using CCYYMMDD format.
[188-02] Pallet Closed Date (UTC) (DG 9801)
Enter date (UTC) pallet closed using CCYYMMDD format.

>>	**G6203**	**176**	**Time Qualifier**	**X**	**ID 1/2**

Code specifying the reported time

[42-03] Estimated Departure Time Qualifier (DG 1001)
ELEMENT CONDITION: Required for and used only for air shipments.
[71-03] Time (UTC) Shipped to APOE Qualifier (DG 2001)
ELEMENT CONDITION: Required for and used only for air shipments.
[98-03] Time (UTC) Shipped to APOE Qualifier (DG 3001)
ELEMENT CONDITION: Required for and used only for air shipments.
[186-03] Pallet Departure Time Qualifier (DG 9801)
[187-03] Estimated Time Qualifier (DG 9801)

A	Actual Departure Time
	[186-03] Actual Departure Time
D	Estimated Departure Time
	[42-03] Estimated Departure Time [71-03] Estimated Departure Time [98-03] Estimated Departure Time
E	Estimated Arrival Time
	[187-03] Estimated Arrival Time Use 'E' to denote Estimated Time Arrival at APOE

>>	**G6204**	**337**	**Time**	**X**	**TM 4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)
[42-04] Time (UTC) Shipped to APOE (DG 1001)
Enter time in 24 hr time format (HHMM).
ELEMENT CONDITION: Required for and used only for air shipments.
[71-04] Time (UTC) Shipped to APOE (DG 2001)
Enter time in 24 hr time format (HHMM).
ELEMENT CONDITION: Required for and used only for air shipments.
[98-04] Time (UTC) Shipped to APOE (DG 3001)
Enter time in 24 hr time format (HHMM).
ELEMENT CONDITION: Required for and used only for air shipments.
[186-04] Pallet Departure Time (UTC) from APOE (DG 9801)
Enter Pallet Departure Time (UTC) from APOE using HHMM format.
[187-04] Estimated Time (UTC) Arrival at APOE (DG 9801)
Enter Estimated Time (UTC) Arrival at APOE using HHMM format.

G6205	**623**	**Time Code**	**O**	**ID 2/2**

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

[42-05] UTC Date/Time Zone Indicator (DG 1001)
Use Universal Time Coordinate (UTC), also referred to as Greenwich Mean Time (GMT), for both G6202 and G6204.
ELEMENT CONDITION: Required for and used only for air shipments.
SOURCE: ISO 8601 available from American National Standards Institute
[71-05] UTC Date/Time Zone Indicator (DG 2001)
Universal Time Coordinate (UTC), also referred to as Greenwich Mean Time (GMT), for both G6202 and G6204.
ELEMENT CONDITION: Required for and used only for air shipments.
SOURCE: ISO 8601 available from American National Standards Institute
[98-05] UTC Date/Time Zone Indicator (DG 3001)
Use Universal Time Coordinate (UTC), also referred to as Greenwich Mean Time (GMT), for both G6202 and G6204.
ELEMENT CONDITION: Required and used only for air shipments.
SOURCE: ISO 8601 available from American National Standards Institute

UT	Universal Time Coordinate
	[42-05] Universal Time Coordinate [71-05] Universal Time Coordinate [98-05] Universal Time Coordinate

Segment: **NTE** **Note/Special Instruction**
Position: 140
Loop: HL Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: 100
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction
Syntax Notes:
Semantic Notes:
Comments: **1** The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.
Notes: [44] NTE SEGMENT - Shipment Unit Adjustment Code (DG 1001)
SEGMENT CONDITION: Use this segment only when BX01 contains code value '03' or '04'.
[74] NTE SEGMENT - Shipment Unit Adjustment Code (DG 2001)
SEGMENT CONDITION: Use this segment only when BX01 contains code value '03' or '04'.
[100] NTE SEGMENT - Shipment Unit Adjustment Code (DG 3001)
CHANGE NOTE: Segment added per DM 704B.
SEGMENT CONDITION: Use this segment only when BX01 contains code value '03' or '04'.
[109] NTE SEGMENT - Model Number (DG 5001)
SEGMENT CONDITION: Applies to Government vehicles, trailers, tracked/wheeled guns, and aircraft.
[110] NTE SEGMENT - Nomenclature (DG 5001)
SEGMENT CONDITION: Applies to Government vehicles, trailers, wheeled or tracked guns, and aircraft.
[111] NTE SEGMENT - Vehicle Year (DG 5013)
SEGMENT CONDITION: For vehicles shipped to Central or South America.
[112] NTE SEGMENT - Vehicle Make (DG 5013)
SEGMENT CONDITION: For vehicles shipped to Central or South America.
[119] NTE SEGMENT - Nomenclature (DG 6001)
SEGMENT CONDITION: For a non-hazardous, single line item shipment, enter the Nomenclature of the item. When multiple, non-hazardous line items are consolidated and the consolidation container comprises 51 percent or more by weight of a single NSN, enter the Nomenclature of the items that comprise 51 percent or more of the shipment weight.
[120] NTE SEGMENT - Protective Service (DG 6016)
CHANGE NOTE: Title changed and user note modified per DM 842.
SEGMENT CONDITION: Use for transportation protective service requirements in accordance with the descriptions in Appendix Z or LL of the DTR Part II.
[121] NTE SEGMENT - HAZMAT Goods Packaged Prior to January 1990 Indicator (DG 6016)
SEGMENT CONDITION: The statement: 'GOVERNMENT-OWNED GOODS PACKAGED BEFORE 1 JANUARY 1990' is required if HAZMAT item was originally packaged prior to 1 January 1990.
[145] NTE SEGMENT - POV Year (DG 8001)
SEGMENT CONDITION: Required when describing POV.
[146] NTE SEGMENT - Personal Property GBL (PPGBL) (DG 8013)
SEGMENT CONDITION: Use for property shipped under a Personal Property GBL (PPGBL).
[147] NTE SEGMENT- PPGBL Origin Carrier Name (DG 8013)
SEGMENT CONDITION: Use for property shipped under a PPGBL.
[148] NTE SEGMENT - USAF TDY Travel Order Number and ADSN/Fiscal Station Number (DG 8017)
Use additional NTE segments, as required, to list the organization and address that issued the orders, including sufficient data to allow Air Mobility Command (AMC) billing.
SEGMENT CONDITION: Required for unaccompanied baggage of TDY USAF

personnel, military and civilian, to list the travel order number and the Accounting Disbursing Station Number (ADSN)/fiscal station number from the DD Form 1610, "Request and Authorization TDY Travel of DoD Personnel."
[161] NTE SEGMENT - General Miscellaneous and Pertinent Information (DG 9013)
SEGMENT CONDITION: Use this segment for pertinent information, including clear text data and in-the-clear consignee address information, necessary for shipment but not detailed in other data entries.
[162] NTE SEGMENT - Unit Deployment Information (ULN) (DG 9013)
SEGMENT CONDITION: Required for unit move cargo to identify unit line number (ULN) deployment information for unit move TCNs.
[163] NTE SEGMENT - Transportation Tracking Account Number (TTAN) (DG 9013)
CHANGE NOTE: Segment added per DM 887.
SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.
[164] NTE SEGMENT - Not Otherwise Specified (NOS) Type Cargo (DG 9013)
SEGMENT CONDITION: Required when Not Otherwise Specified (NOS) cargo description applies.
[165] NTE SEGMENT - Liquor Type (DG 9013)
SEGMENT CONDITION: Use when type of liquor entry applies.
[166] NTE SEGMENT - Liquor Bottle Size (DG 9013)
SEGMENT CONDITION: Use when Liquor Bottle Size entry applies.
[167] NTE SEGMENT - Liquor Bottles per Case (DG 9013)
SEGMENT CONDITION: Use when Liquor Bottles per Case entry applies.
[168] NTE SEGMENT - Cigarette Information (DG 9013)
SEGMENT CONDITION: Use for shipment of cigarettes.
[169] NTE SEGMENT - CONUS to Hawaii/Guam Rating Information (DG 9013)
SEGMENT CONDITION: Use for shipments between CONUS and Hawaii or Guam to carry the clear text National Motor Freight Classification or Standard Transportation Commodity Code description of the highest rated article in the shipment unit other than HAZMAT.
[170] NTE SEGMENT - RFID Tag Serial Number (DG 9013)
SEGMENT CONDITION: Use to indicate the tag serial number of the RFID tag attached to the shipment unit.
[189] NTE SEGMENT - Pallet Processing Status Code (DG 9801)
SEGMENT CONDITION: Required for DLA built pallets that are sent to an AMC aerial port for onward movement.
[190] NTE SEGMENT - Onward Mode/Method (DG 9801)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**NTE01**	**363**	**Note Reference Code** Code identifying the functional area or purpose for which the note applies [44-01] Shipment Unit Adjustment Code Qualifier (DG 1001) [74-01] Shipment Unit Adjustment Code Qualifier (DG 2001) [100-01] Shipment Unit Adjustment Code Qualifier (DG 3001) [109-01] Model Number Qualifier (DG 5001) [110-01] Nomenclature Qualifier (DG 5001) [111-01] Vehicle Year Qualifier (DG 5013) [112-01] Vehicle Make Qualifier (DG 5013) [119-01] Nomenclature Qualifier (DG 6001) [120-01] Protective Service Qualifier (DG 6016) CHANGE NOTE: Code definition changed per DM 842. [121-01] HAZMAT Goods Package Prior to January 1990 Qualifier (DG 6016) [145-01] POV Year Qualifier (DG 8001) CHANGE NOTE: Change code definition per DM 847. [146-01] PPGBL Qualifier (DG 8013) [147-01] PPGBL Origin Carrier Name Qualifier (DG 8013) [148-01] Travel Order Number and ADSN/Fiscal Station Number Qualifier (DG 8017) [161-01] General Miscellaneous and Pertinent Information Qualifier (DG	**O ID 3/3**

9013)
[162-01] ULN Qualifier (DG 9013)
[163-01] Transportation Tracking Account Number (TTAN) Qualifier (DG 9013)
[164-01] NOS Qualifier (DG 9013)
[165-01] Liquor Type Qualifier (DG 9013)
[166-01] Liquor Bottle Size Qualifier (DG 9013)
[167-01] Liquor Bottles per Case Qualifier (DG 9013)
[168-01] Cigarette Information Qualifier (DG 9013)
[169-01] CONUS to Hawaii/Guam Rating Information Qualifier (DG 9013)
[170-01] RFID Tag Serial Number Qualifier (DG 9013)
[189-01] Pallet Processing Status Code Qualifier (DG 9801)
[190-01] Onward Mode/Method Qualifier (DG 9801)

AAA	Agent Details
	[147-01] Agent Details Use 'AAA' to denote PPGBL Origin Carrier Name
ABN	Abbreviated Nomenclature
	[119-01] Abbreviated Nomenclature Use 'ABN' to denote Full Available Nomenclature
ACN	Action Taken
	[44-01] Action Taken Use 'ACN' to denote Shipment Unit Adjustment Code [74-01] Action Taken Use 'ACN' to denote Shipment Unit Adjustment Code [100-01] Action Taken Use 'ACN' to denote Shipment Unit Adjustment Code
ADD	Additional Information
	[161-01] Additional Information
BOL	Bill of Lading Note
	[146-01] Bill of Lading Note Use 'BOL' to denote PPGBL
CAC	Relationship Information
	[167-01] Relationship Information
CAI	General Business Description
	[166-01] General Business Description Use 'CAI' to denote Liquor Bottle Size
CAR	Other Related Information
	[111-01] Other Related Information Use 'CAR' to denote Vehicle Year [145-01] Other Related Information Use 'CAR' to denote Vehicle Year
CBI	Description of Title
	[112-01] Description of Title Use 'CBI' to denote Vehicle Make
CIG	Cigarette Information
	[168-01] Cigarette Information
EED	Equipment Description
	[110-01] Equipment Description Use 'EED' to denote Nomenclature
EMD	Estimate Method Description
	[190-01] Estimate Method Description Use 'EMD' to denote Onward Mode/Method
LIQ	Liquor Information
	[165-01] Liquor Information Use 'LIQ' to denote Type of Liquor

			OCR	Outside the Continental U.S. (OCONUS) Rating Information
				[169-01] Outside the Continental U.S. (OCONUS) Rating Information Use 'OCR' to denote CONUS to Hawaii/Guam Rating Information
			ORI	Order Instructions
				[148-01] Order Instructions Use 'ORI' to denote Travel Order Number and ADSN/Fiscal Station Number
			OTN	Another Type of Number Description
				[109-01] Another Type of Number Description Use 'OTN' to denote Model Number [162-01] Another Type of Number Description Use 'OTN' to denote Unit Line Number for a TPFDD Move
			PCS	Process Specification
				[189-01] Process Specification Use 'PCS' to denote Pallet Processing Status Code
			PID	Property Improvement Description
				[170-01] Property Improvement Description Use 'PID' to denote Passive RFID Tag Serial Number
			RFL	Reason for Leaving
				[170-01] Reason for Leaving Use 'RFL' to denote Active RFID Tag Serial Number
			SSH	Security Service Information
				[120-01] Security Service Information Use 'SSH' to denote Protective Service
			TCF	Tariff Commodity Footnotes
				[163-01] Tariff Commodity Footnotes Use 'TCF' to denote Transportation Tracking Account Number (TTAN)
			VEC	Verification Comments
				[121-01] Verification Comments Use 'VEC' to denote HAZMAT item was originally packaged prior to 1 January 1990
			ZZZ	Mutually Defined
				[164-01] Mutually Defined Use 'ZZZ' to denote NOS Type Cargo Information
M	**NTE02**	**352**	**Description**	**M AN 1/80**
			A free-form description to clarify the related data elements and their content	
			[44-02] Shipment Unit Adjustment Code (DG 1001) For BX01 code value '03' enter value 'Deletion'; For BX01 code value '04' enter value 'Correction', followed by the date in CCYYMMDD format. [74-02] Shipment Unit Adjustment Code (DG 2001) Enter the following values that correspond to code value contained in BX01: For BX01 code value '03' enter value 'Deletion' For BX01 code value '04' enter value 'Correction', followed by the date in CCYYMMDD format [100-02] Shipment Unit Adjustment Code (DG 3001) Enter the date in CCYYMMDD format, preceded by one of the following values, corresponding to code value contained in BX01: For BX01 code value '03', enter value 'Deletion' followed by date. For BX01 code value '04' enter value 'Correction' followed by date.	

[109-02] Model Number (DG 5001)
[110-02] Nomenclature (DG 5001)
Enter the nomenclature of the item. Applies to Government vehicles, trailers, tracked/wheeled guns, aircraft, and outsize general cargo.
[111-02] Vehicle Year (DG 5013)
Enter vehicle year for vehicle shipped to Central/South America.
[112-02] Vehicle Make (DG 5013)
Enter vehicle make for vehicle shipped to Central/South America.
[119-02] Nomenclature (DG 6001)
[120-02] Protective Service (DG 6016)
Enter as free-form, abbreviated text the transportation protective service requirements in accordance with the descriptions in Appendix Z or LL of the DTR Part II.
CHANGE NOTE: Title and user note changed per DM 842.
SOURCE: Defense Transportation Regulations
[121-02] HAZMAT Goods Packaged Prior to January 1990 Indicator (DG 6016)
Insert the following value: 'GOVERNMENT-OWNED GOODS PACKAGED BEFORE 1 JANUARY 1990'.
[145-02] POV Year (DG 8001)
Enter POV year.
[146-02] PPGBL Number (DG 8013)
Enter origin PPGBL number.
[147-02] PPGBL Origin Carrier Name (DG 8013)
Enter name of origin carrier.
[148-02] Travel Order Number and ADSN/Fiscal Station Number (DG 8017)
Enter the travel order number and the ADSN/fiscal station number from the DD Form 1610, "Request and Authorization for TDY Travel of DoD Personnel."
[161-02] General Miscellaneous and Pertinent Information (DG 9013)
Enter clear text miscellaneous data here.
[162-02] ULN (DG 9013)
Enter the unit line number.
[163-02] Transportation Tracking Account Number (TTAN) (DG 9013)
[164-02] Description of NOS Type Cargo Code (DG 9013)
[165-02] Liquor Information (DG 9013)
Enter type of Liquor.
[166-02] Liquor Bottle Size (DG 9013)
Enter Liquor Bottle Size.
[167-02] Liquor Bottles per Case (DG 9013)
Enter number of bottles per case.
[168-02] Cigarette Information (DG 9013)
Enter the number of cartons per case.
[169-02] CONUS to Hawaii/Guam Rating Information (DG 9013)
Enter the clear text National Motor Freight Classification or Standard Transportation Commodity Code description of the highest rated article in the shipment unit.
[170-02] RFID Tag Serial Number (DG 9013)
Enter the RFID tag serial number used for in transit visibility tracking of the tag.
[189-02] Pallet Processing Status Code (DG 9801)
Use the following values as indicated:
[190-02] Onward Mode/Method (DG 9801)
NOTE: Changed attribute length fom 1/1 to 1/2 per DM 896.
SOURCE: DTR Part II, Appendix GG

C	New Code Added by IC
	[189-02] Pallet Closed
D	New Code Added by IC
	[189-02] Driver Sign-off

T	New Code Added by IC
	[189-02] Truck Closed
U	New Code Added by IC
	[189-02] Un-offered.

Segment: **L0** **Line Item - Quantity and Weight**
Position: 145
Loop: L0 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data
Syntax Notes:
1 If either L002 or L003 is present, then the other is required.
2 If either L004 or L005 is present, then the other is required.
3 If either L006 or L007 is present, then the other is required.
4 If either L008 or L009 is present, then the other is required.
5 If L011 is present, then L004 is required.
6 If either L013 or L015 is present, then the other is required.
Semantic Notes:
1 L008 is the number of handling units of the line item tendered to the carrier.
2 L013 can only be used if the code in L009 is PLT, SKD, or SLP.
3 L015 designates whether the carrier will be required to verify the number of units contained on a pallet, slip sheet or skid. Code "Y" indicates that the carrier will be required to verify. Code "N" indicates that the carrier will not be required to verify.
Comments:
1 L013 is used to convey the total number of boxes, cartons, or pieces contained on a pallet, skid, or slip sheet for the line item.
Notes:
[45] L0 SEGMENT - Piece, Weight, Cube and Type Pack (DG 1001)
[75] L0 SEGMENT - SEAVAN/RORO/463L Piece, Weight, Cube, and Type Pack (DG 2001)
[101] L0 SEGMENT - Piece, Weight, Cube and Type Pack (DG 3001)
[113] L0 SEGMENT - Pieces, Piece Weight, Piece Cube, and Dimensions (DG 5001) Each DG 5001 will contain pieces, piece weight, piece cube, and dimensions. This segment creates a loop that contains MEA segments.
[122] L0 SEGMENT - HAZMAT Ammunition Round Count (DG 6001)
SEGMENT CONDITION: If Use this segment/loop for ammunition shipments only. This segment is required for X12 compliance to create a loop that contains MEA segments.
[138] L0 SEGMENT - Lot Number Information (DG 7001) Each L0 segment reflects the round count, weight, and cube of the lot or shipment unit being described. If a shipment unit contains multiple lots, create additional HL loops with associated information for each lot.
[149] L0 SEGMENT - DPM Shipment Net Weight (DG 8001)
SEGMENT CONDITION: Use for DPM shipments from activities OCONUS (outside CONUS) to CONUS.
[191] L0 SEGMENT - Total Weight, Cube, Pieces for 463L Pallet Load (DG 9801)
[192] L0 SEGMENT - Cargo Weight (DG 9801)
LOOP CONDITION: Mandatory except for DLA shipments.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	**L001**	**213**	**Lading Line Item Number**	**O**	**N0 1/3**
			Sequential line number for a lading item		
			[122-01] Compliance Number (DG 6001) Use the value one (1) to satisfy X12 syntax requirements.		
X	**L002**	**220**	**Billed/Rated-as Quantity**	**X**	**R 1/11**
X	**L003**	**221**	**Billed/Rated-as Qualifier**	**X**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
>>	**L004**	**81**	**Weight**	**X**	**R 1/10**
			Numeric value of weight		
			[45-04] Total Weight of Shipment Unit (DG 1001) Express total weight of shipment unit in whole pounds. Round up to a whole number. [75-04] Weight of SEAVAN/RORO/463L (DG 2001) For SEAVAN, enter the weight of the contents. For ROROs, enter the weight		

of the RORO plus its contents. For 463L enter weight of pallet plus its contents.
[101-04] Total Weight of Shipment Unit (DG 3001)
Enter total weight of the consolidated shipment and its contents in whole pounds.
[113-04] Weight of a Single Piece (DG 5001)
Enter weight of the piece (whole number) to which the MEA segment (HL loop position 160) dimensions apply.
[138-04] Weight per Lot Number (DG 7001)
Enter the total shipping weight (L011) of the MIL-STD-129 defined unit packs for the Lot Number or for that part of the shipment unit that does not have a Lot Number.
[149-04] DPM Shipment Net Weight (DG 8001)
Activities outside CONUS (OCONUS) enter net weight of DPM shipments to CONUS.
[191-04] Total Scale Weight for 463L Pallet Load (DG 9801)
ELEMENT CONDITION: Enter total shipping weight (including pallet, nets, chains, straps, devices, etc.) if available.
[192-04] Cargo Weight (DG 9801)
Enter total Cargo Weight less weight of pallet, nets, chains, straps, devices, etc.

>>	**L005**	**187**	**Weight Qualifier**	**X**	**ID 1/2**

Code defining the type of weight

[45-05] Weight Type Code (DG 1001)
[75-05] Weight of SEAVAN/RORO/463L Qualifier (DG 2001)
[101-05] Gross Weight Qualifier (DG 3001)
[113-05] Weight Qualifier for a Single Piece (DG 5001)
[138-05] Weight Qualifier (DG 7001)
ELEMENT CONDITION: Required if L004 is used.
[149-05] DPM Shipment Net Weight Qualifier (DG 8001)
[191-05] Weight Type Code (DG 9801)
ELEMENT CONDITION: Required if L004 is used.
[192-05] Weight Qualifier (DG 9801)

G	Gross Weight
	[45-05] Gross Weight [75-05] Gross Weight Use 'G' to denote Weight for RORO [101-05] Gross Weight [113-05] Gross Weight [138-05] Gross Weight [191-05] Gross Weight
N	Actual Net Weight
	[75-05] Actual Net Weight [149-05] Actual Net Weight [192-05] Actual Net Weight

>>	**L006**	**183**	**Volume**	**X**	**R 1/8**

Value of volumetric measure

[45-06] Total Cube of Shipment Unit (DG 1001)
Express total cube of all pieces in the shipment unit in cubic feet. Round up to a whole number.
[75-06] Cube of SEAVAN/RORO/463L (DG 2001)
Enter the cube of the contents for a SEAVAN shipment. For 463L enter the total cube of the 463L pallet plus its contents. Enter the total cube of the RORO (total cube is based on length, width, and height of RORO, including any exposed cargo). All cube entries should be rounded to whole numbers.

CHANGE NOTE: Reference to whole numbers added per DM 810.
[101-06] Total Cube of Shipment Unit (DG 3001)
Enter the total cube of the consolidated shipment. Total cube is based on length, width, and height of the consolidated shipment, including any exposed cargo. All cube entries should be rounded to whole numbers.

CHANGE NOTE: Reference to whole numbers added per DM 810.
[113-06] Cube of a Single Piece (DG 5001)
Enter cube of the piece (whole number) to which the MEA segment (HL loop position 160) dimensions apply.
[138-06] Cube per Lot Number (DG 7001)
Enter the total cube (L007) of the MIL-STD-129 defined unit packs for the Lot Number or for that part of the shipment unit that does not have a Lot Number.
All cube entries should be rounded to whole numbers.
CHANGE NOTE: Reference to whole numbers added per DM 810.
[191-06] Total Cube of 463L Pallet Load (DG 9801)
All cube entries should be rounded to whole numbers.

CHANGE NOTE: Reference to whole numbers added per DM 810.

>>	**L007**	**184**	**Volume Unit Qualifier**	**X**	**ID 1/1**

Code identifying the volume unit

[45-07] Cube Qualifier (DG 1001)
[75-07] Cube of SEAVAN/RORO/463L Qualifier (DG 2001)
[101-07] Cube Qualifier (DG 3001)
[113-07] Cube Qualifier (DG 5001)
[138-07] Cube per Lot Number Qualifier (DG 7001)
ELEMENT CONDITION: Required if L006 is used.
[191-07] Cube Qualifier (DG 9801)

E	Cubic Feet

[45-07] Cubic Feet
[75-07] Cubic Feet
[101-07] Cubic Feet
[113-07] Cubic Feet
[138-07] Cubic Feet
[191-07] Cubic Feet

>>	**L008**	**80**	**Lading Quantity**	**X**	**N0 1/7**

Number of units (pieces) of the lading commodity

[45-08] Number of Pieces for the Shipment Unit (DG 1001)
Express the number of separate pieces for the shipment unit that are not unitized. If the separate pieces are banded to a pallet, then the piece count is one (1).
[75-08] Total Number of Pieces (DG 2001)
For SEAVAN enter actual number of shipment unit pieces loaded in the SEAVAN. For RORO or 463L always enter the value one (1).
[101-08] Number of Pieces for the Shipment Unit (DG 3001)
Enter value one (1).
[113-08] Pieces (DG 5001)
Enter the number of shipment unit pieces to which the MEA segment (HL loop position 160) dimensions apply. Enter zero (0) for estimated number of pieces.
CHANGE NOTE: Use L008 (rather than L010) for Pieces per DM 762.
[138-08] Round Count per Lot Number (DG 7001)
Enter the number of munitions pieces (Round Count) for the Lot Number or for that part of the shipment unit that does not have a Lot Number.
[191-08] Total Pieces on the Pallet (DG 9801)
Enter the total number of pieces for the shipment units documented on the pallet. If the pallet and its contents have been documented as one shipment unit (a single TCN) then it will only be one piece.

>>	**L009**	**211**	**Packaging Form Code**	**X**	**ID 3/3**

Code for packaging form of the lading quantity

[45-09] Type Pack Code (DG 1001)
Code for packaging form of the lading quantity.
Select appropriate three-position Type Pack Code that describes the type pack for the Shipment Unit.

PLL - [Migration Code] 463L pallet.
[75-09] Type Pack Code (DG 2001)

Code for packaging form of the lading quantity.
[101-09] Type Pack Code (DG 3001)
PLL - [Migration Code] 463L pallet.
[113-09] Pieces Qualifier (DG 5001)
[138-09] Round Count per Lot Number Qualifier (DG 7001)
ELEMENT CONDITION: Required if L008 is used.
[191-09] Pieces Qualifier (DG 9801)
CHANGE NOTE: Data element added per DM 810.

AMM	Ammo Pack
	[138-09] Ammo Pack Use 'AMM' to denote Round Count
BAG	Bag
	[45-09] Bag Use 'BAG' to denote Bag, burlap or cloth [101-09] Bag Use 'BAG' to denote Bag, burlap or cloth
BAL	Bale
	[45-09] Bale [101-09] Bale
BBL	Barrel
	[45-09] Barrel [101-09] Barrel
BDL	Bundle
	[45-09] Bundle [101-09] Bundle
BOX	Box
	[45-09] Box [101-09] Box
BSK	Basket or hamper
	[45-09] Basket or hamper Use 'BSK' to denote Basket [101-09] Basket or hamper Use 'BSK' to denote Basket
CAB	Cabinet
	[45-09] Cabinet [101-09] Cabinet
CAN	Can
	[45-09] Can [101-09] Can
CAS	Case
	[45-09] Case [101-09] Case
CBY	Carboy
	[45-09] Carboy [101-09] Carboy
CNA	Household Goods Containers, Wood
	[45-09] Household Goods Containers, Wood Use 'CNA' to denote HHG containers, wood [101-09] Household Goods Containers, Wood Use 'CNA' to denote HHG containers, wood

CNB	Container, MAC-ISO (Military Airlift Container - International Standards Organization) Light Weight 8x8x20 Foot Air An air container conforming to ISO standards
	[45-09] Container, MAC-ISO (Military Airlift Container - International Standards Organization) Light Weight 8x8x20 Foot Air Use 'CNB' to denote Container, MAC-ISO, lt. wgt. 8x8x20 foot air [101-09] Container, MAC-ISO (Military Airlift Container - International Standards Organization) Light Weight 8x8x20 Foot Air Use 'CNB' to denote Container, MAC-ISO, lt. wgt. 8x8x20 foot air
CNC	Container, Navy Cargo Transporter
	[45-09] Container, Navy cargo transporter [101-09] Container, Navy cargo transporter
CND	Container, Commercial Highway Lift
	[45-09] Container, commercial highway lift [101-09] Container, commercial highway lift
CNE	Engine Container
	[45-09] Engine Container [101-09] Engine Container
CNF	Multiwall Container Secured to Warehouse Pallet
	[45-09] Multiwall Container Secured to Warehouse Pallet Use 'CNF' to denote Multiwall container secured to warehouse pit [101-09] Multiwall Container Secured to Warehouse Pallet Use 'CNF' to denote Multiwall container secured to warehouse pit
CNT	Container
	[45-09] Container Use 'CNT' to denote Container, other than CC, CM, CU, CW, MW, MX [101-09] Container Use 'CNT' to denote Container, other than CC, CM, CU, CW, MW, MX
CNX	CONEX - Container Express
	An 8x8x8-foot container used for packaging and shipping military material
	[45-09] CONEX - Container Express Use 'CNX' to denote CONEX (Gov't owned container) [101-09] CONEX - Container Express Use 'CNX' to denote CONEX (Gov't owned container)
COL	Coil
	[45-09] Coil [101-09] Coil
CRD	Cradle
	[45-09] Cradle Use 'CRD' to denote Engine cradle or dolly [101-09] Cradle Use 'CRD' to denote Engine cradle or dolly
CRT	Crate
	[45-09] Crate [101-09] Crate

CTN	Carton
	[45-09] Carton [101-09] Carton
CYL	Cylinder
	[45-09] Cylinder [101-09] Cylinder
DRM	Drum
	A large container with a cylindrical shape; top may have removable or sealed top sides may be fiberboard or metal
	[45-09] Drum [101-09] Drum
DUF	Duffle Bag
	[45-09] Duffle Bag Use 'DUF' to denote Dufflebag [101-09] Duffle Bag Use 'DUF' to denote Dufflebag
ENV	Envelope
	[45-09] Envelope [101-09] Envelope
HPR	Hamper
	[45-09] Hamper [101-09] Hamper
KEG	Keg
	[45-09] Keg [101-09] Keg
LSE	Loose
	[45-09] Loose Use 'LSE' to denote Loose, not packed [101-09] Loose Use 'LSE' to denote Loose, not packed
MLV	MILVAN - Military Van
	A 20-foot transportation van that conforms to ISO standards
	[45-09] MILVAN - Military Van Use 'MLV' to denote MILVAN [101-09] MILVAN - Military Van Use 'MLV' to denote MILVAN
MSV	MSCVAN - Military Sealift Command Van
	A 35-foot transportation van
	[45-09] MSCVAN - Military Sealift Command Van Use 'MSV' to denote MSCVAN [101-09] MSCVAN - Military Sealift Command Van Use 'MSV' to denote MSCVAN
MXD	Mixed Type Pack
	[45-09] Mixed Type Pack Use 'MXD' to denote Mixed [101-09] Mixed Type Pack Use 'MXD' to denote Mixed
PAL	Pail
	[45-09] Pail [101-09] Pail
PCS	Pieces
	[45-09] Pieces Use 'PCS' to denote Piece [101-09] Pieces Use 'PCS' to denote Piece [113-09] Pieces [191-09] Pieces

PLL	New Code Added by IC
	[45-09] 463L Air Pallet [75-09] [Migration Code] 463L pallet [101-09] 463L Air Pallet
PLT	Pallet
	[45-09] Pallet Use 'PLT' to denote Palletized unit load other than code MW [101-09] Pallet Use 'PLT' to denote Palletized unit load other than code MW
REL	Reel
	[45-09] Reel [101-09] Reel
ROL	Roll
	[45-09] Roll [101-09] Roll
SAK	Sack
	[45-09] Sack Use 'SAK' to denote Sack, paper [101-09] Sack Use 'SAK' to denote Sack, paper
SCS	Suitcase
	[45-09] Suitcase [101-09] Suitcase
SHT	Sheet
	[45-09] Sheet [101-09] Sheet
SKD	Skid
	[45-09] Skid [101-09] Skid
SKE	Skid, elevating or lift truck
	[45-09] Skid, elevating or lift truck Use 'SKE' to denote Skid, box [101-09] Skid, elevating or lift truck Use 'SKE' to denote Skid, box
SPL	Spool
	[45-09] Spool [101-09] Spool
SVN	SEAVAN - Sea Van
	A commercial or military 40-foot transportation container that conforms to ISO standards
	[45-09] SEAVAN - Sea Van Use 'SVN' to denote SEAVAN [101-09] SEAVAN - Sea Van Use 'SVN' to denote SEAVAN
TBE	Tube
	[101-09] Tube
TBN	Tote Bin
	[75-09] Tote Bin Use 'TBN' to denote SEAVAN [101-09] Tote Bin Use 'TBN' to denote SEAVAN - TOTE
TKR	Tank Car
	[101-09] Tank Car
TKT	Tank Truck
	[101-09] Tank Truck

			TRK	Trunk and Chest	
				[101-09] Trunk and Chest Use 'TRK' to denote Footlocker (Trunk)	
			TRU	Truck	
				[101-09] Truck	
			TUB	Tub	
				[45-09] Tub Use 'TUB' to denote Tube [101-09] Tub	
			UNT	Unit	
				[45-09] Unit Use 'UNT' to denote Unitized (use RT for unitized cargo on RORO) [101-09] Unit Use 'UNT' to denote Unitized (use RT for unitized cargo on RORO)	
			VEH	Vehicles	
				[45-09] Vehicles Use 'VEH' to denote Vehicle [101-09] Vehicles Use 'VEH' to denote Vehicle	
			VOC	New Code Added by IC	
				[45-09] Vehicle in Operating Condition [101-09] Vehicle in Operating Condition	
			VPK	Van Pack	
				[45-09] Van Pack Use 'VPK' to denote Van chassis [101-09] Van Pack Use 'VPK' to denote Van chassis	
			WHE	On Own Wheel	
				[45-09] On Own Wheel Use 'WHE' to denote RORO (roll-off, roll-on) [75-09] On Own Wheel Use 'WHE' to denote RORO [101-09] On Own Wheel Use 'WHE' to denote RORO (roll-off, roll-on)	
			WRP	Wrapped	
				[45-09] Wrapped [101-09] Wrapped	
>>	**L010**	**458**	**Dunnage Description**		**O** **AN 2/25**
			Material used to protect lading		
			[138-10] Lot Number (DG 7001) Enter the Lot Number or, if no Lot Number is available, enter 'NO LOT NUMBER'.		
>>	**L011**	**188**	**Weight Unit Code**		**O** **ID 1/1**
			Code specifying the weight unit		
			[113-11] Gross Weight Units Qualifier (DG 5001) [138-11] Weight Unit Qualifier (DG 7001)		
			L	Pounds	
				[113-11] Pounds [138-11] Pounds	
X	**L012**	**56**	**Type of Service Code**		**O** **ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**L013**	**380**	**Quantity**		**X** **R 1/15**
X	**L014**	**211**	**Packaging Form Code**		**O** **ID 3/3**
			Refer to 004010 Data Element Dictionary for acceptable code values.		

X	**L015**	**1073**	**Yes/No Condition or Response Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 1/1**

Segment: **MEA** **Measurements**
Position: 160
Loop: L0 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 10
Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
Syntax Notes:
1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
2 If MEA05 is present, then MEA04 is required.
3 If MEA06 is present, then MEA04 is required.
4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
5 Only one of MEA08 or MEA03 may be present.
Semantic Notes:
1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
Comments:
1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
Notes:
[76] MEA SEGMENT - Total Number of Shipment Units (DG 2001)
SEGMENT CONDITION: Not used for T_2 records for 463L pallets.
[114] MEA SEGMENT - Length (DG 5001)
[115] MEA SEGMENT - Width (DG 5001)
[116] MEA SEGMENT - Height (DG 5001)
[123] MEA SEGMENT - HAZMAT Total Round Count (DG 6001)
SEGMENT CONDITION: This segment is mandatory for ammunition.
[139] MEA SEGMENT - NEW (DG 7001)
SEGMENT CONDITION: Use this segment for Class/Division 1.1, 1.2, 1.3, 1.4 munitions to show the NEW for each Lot Number identified in L010 or for that part of the shipment unit that does not have a Lot Number. Use segment only once per Lot Number or shipment unit. If L010 is 'NO LOT NUMBER', enter NEW for shipment unit.
[193] MEA SEGMENT - Pallet Height (DG 9801)
SEGMENT CONDITION: Use for loaded 463L pallet.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**MEA01**	**737**	**Measurement Reference ID Code** Code identifying the broad category to which a measurement applies [76-01] Total Number of Shipment Units Count Qualifier (DG 2001) [114-01] Dimensions Qualifier (DG 5001) [115-01] Dimensions Qualifier (DG 5001) [116-01] Dimensions Qualifier (DG 5001) [123-01] HAZMAT Total Round Count Qualifier (DG 6001) [139-01] NEW Qualifier (DG 7001) [193-01] Pallet Dimensions Qualifier (DG 9801)	**O ID 2/2**

CT	Counts [76-01] Counts [123-01] Counts
NX	Net Explosive Weight [139-01] Net Explosive Weight
PA	Pallet Dimensions [193-01] Pallet Dimensions
SD	Shipped Dimensions [114-01] Shipped Dimensions [115-01] Shipped Dimensions [116-01] Shipped Dimensions

>>	**MEA02**	**738**	**Measurement Qualifier** Code identifying a specific product or process characteristic to which a measurement applies [76-02] Total Number of Shipment Units Qualifier (DG 2001) [114-02] Length of a Piece(s) Qualifier (DG 5001) [115-02] Width of Pieces Qualifier (DG 5001) [116-02] Height of Pieces Qualifier (DG 5001) [193-02] Pallet Height Qualifier (DG 9801) HT — Height [116-02] Height [193-02] Height LN — Length [114-02] Length SU — Shipped Units [76-02] Shipped Units WD — Width [115-02] Width	**O**	**ID 1/3**
>>	**MEA03**	**739**	**Measurement Value** The value of the measurement [76-03] Total Number of Shipment Units (DG 2001) Enter the total number of shipment units loaded in the SEAVAN or RORO. [114-03] Length of a Piece(s) of the Shipment Unit (DG 5001) Dimension measured in inches. T_5 59/59, which equals 'L', is not used in the 858 transaction. [115-03] Width of a Piece(s) of the Shipment Unit (DG 5001) Dimension measured in inches. T_5 63/63, which equals 'W', is not used in the 858 transaction. [116-03] Height of a Piece(s) of the Shipment Unit (DG 5001) Dimension measured in inches. T_5 67/67, which equals 'H', is not used in the 858 transaction. [123-03] HAZMAT Total Round Count (DG 6001) For ammunition, enter the Total Round Count in the shipment unit. [139-03] NEW (DG 7001) Enter NEW in pounds. [193-03] Pallet Height (DG 9801) Enter Pallet Height in inches.	**X**	**R 1/20**
X	**MEA04**	**C001**	**Composite Unit of Measure** To identify a composite unit of measure (See Figures Appendix for examples of use)	**X**	
X	**C00101**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	**M**	**ID 2/2**
X	**C00102**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R 1/15**
X	**C00103**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R 1/10**
X	**C00104**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 2/2**
X	**C00105**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R 1/15**
X	**C00106**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R 1/10**

X	**C00107**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 2/2**
X	**C00108**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R 1/15**
X	**C00109**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R 1/10**
X	**C00110**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 2/2**
X	**C00111**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R 1/15**
X	**C00112**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R 1/10**
X	**C00113**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 2/2**
X	**C00114**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R 1/15**
X	**C00115**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R 1/10**
X	**MEA05**	**740**	**Range Minimum**	**X**	**R 1/20**
X	**MEA06**	**741**	**Range Maximum**	**X**	**R 1/20**
X	**MEA07**	**935**	**Measurement Significance Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 2/2**
X	**MEA08**	**936**	**Measurement Attribute Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 2/2**
X	**MEA09**	**752**	**Surface/Layer/Position Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 2/2**
X	**MEA10**	**1373**	**Measurement Method or Device** Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 2/4**

Segment: **LH1** **Hazardous Identification Information**
Position: 170
Loop: LH1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the hazardous commodity identification reference number and quantity
Syntax Notes:
Semantic Notes:
Comments:
1 LH101 and LH102 are used to convey the number and type of packages for bulk and nonbulk movements.
2 LH106 and LH107 are used to convey the quantity or volume and unit of measure for nonbulk shipments only.
3 In LH109, a value of "R" or "P" requires that the receiver generate the words "residue: last contained" prior to the shipping name in accordance with regulations.
Notes: [124] LH1 SEGMENT - HAZMAT Information (DG 6016)
LOOP CONDITION: Use a separate LH1 segment/loop for each HAZMAT item.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**LH101**	**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 [124-01] HAZMAT Information (DG 6016) Use code value 'ZZ' to satisfy X12 syntax requirements. (Note: The HAZMAT Type Pack Code moved to data element LFH02 - HAZMAT Type Pack Code.) CHANGE NOTE: Per DM 863 do the following: Rename LH101 data element. Remove reference to T_9 54/79. Select code value 'ZZ'. Replace user note as modified by FACTS guidance. ZZ Mutually Defined [124-01] Mutually Defined	**M**	**ID 2/2**
M	**LH102**	**80**	**Lading Quantity** Number of units (pieces) of the lading commodity [124-02] HAZMAT Type Pack Quantity (DG 6016) For HAZMAT Type Pack Quantity enter the number of packages associated with the type of packaging referenced in the LFH (HAZMAT Type Pack Code) segment, data element LFH02. CHANGE NOTE: Replace user note as modified by FACTS guidance per DM 863.	**M**	**N0 1/7**
	LH103	**277**	**UN/NA Identification Code** Code identifying the hazardous material identification number as required by Title 49 of the code of Federal Regulations; UN/NA stands for United Nations/North America [124-03] HAZMAT UN/NA Number (DG 6016) CHANGE NOTE: User note modified per DM 838, ELEMENT CONDITION: As applicable, enter value 'UN', value 'NA', or value 'ID' followed by four-position number. SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	**O**	**ID 6/6**
X	**LH104**	**200**	**Hazardous Materials Page**	**O**	**AN 1/6**

	LH105	**22**	**Commodity Code**	**O**	**AN 1/30**
			Code describing a commodity or group of commodities [124-05] HAZMAT Weight (DG 6016) CHANGE NOTE: User note corrected per DM 774. ELEMENT CONDITION: Use when qualifier in LH106 refers to weight. Enter HAZMAT total quantity weight in pounds or kilograms except for Class 1 material which must be the net explosive mass (kilograms). For quantity exceptions, see 49 CFR 172.203.		
>>	**LH106**	**355**	**Unit or Basis for Measurement Code**	**O**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken [124-06] HAZMAT Volume or Weight Qualifier (DG 6016) CHANGE NOTE: User note modified per DM 838. Select from the following code values from DE 355 to qualify weight or volume carried in either LH105 or LH107. When code value 'ZZ' applies, use it to denote 'Radioactive' or 'MILS' data (volume).		

CC	Cubic Centimeter
	[124-06] Cubic Centimeter
CF	Cubic Feet
	[124-06] Cubic Feet
CR	Cubic Meter
	[124-06] Cubic Meter
GA	Gallon
	[124-06] Gallon
GR	Gram
	[124-06] Gram
GT	Gross Kilogram
	Represents kilograms of product and package or container
	[124-06] Gross Kilogram
KG	Kilogram
	[124-06] Kilogram
LB	Pound
	[124-06] Pound
LT	Liter
	[124-06] Liter
ML	Milliliter
	[124-06] Milliliter
PJ	Pounds, Decimal - Pounds per Square Foot - Pound Gage
	[124-06] Pounds, Decimal - Pounds per Square Foot - Pound Gage
PT	Pint
	[124-06] Pint
QS	Quart, Dry U.S.
	[124-06] Quart, Dry U.S.
ZZ	Mutually Defined
	[124-06] Mutually Defined Use 'ZZ' to denote Radioactive or MILS data (volume), as applicable

	LH107	**380**	**Quantity** Numeric value of quantity [124-07] HAZMAT Volume (DG 6016) When qualifier in LH106 = 'ZZ', enter value zero (0) to denote that either Radioactive Activity Level is present or additional NTE segment contains MILS HAZMAT weight or volume information. CHANGE NOTE: User note modified per DM 838. ELEMENT CONDITION: Use when qualifier in LH106 refers to volume. Enter HAZMAT total quantity volume value in accordance with the unit of measure noted in LH106 (e.g., cubic feet, gallon).	**O**	**R 1/15**
X	**LH108**	**595**	**Compartment ID Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 1/1**
X	**LH109**	**665**	**Residue Indicator Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 1/1**
	LH110	**254**	**Packing Group Code** Code indicating degree of danger in terms of Roman number I, II or III [124-10] HAZMAT Packing Group (DG 6016) CHANGE NOTE: Requirement attributed changed to 'C' and user note replaced per DM 808. ELEMENT CONDITION: As applicable, enter value 'I', 'II', or 'III' to denote PGI, PGII, or PGIII, when Packing Group is assigned. SOURCE: The Canadian Gazette, Part II available from Canadian Government Publishing Centre Supply and Services Canada	**O**	**ID 1/3**
X	**LH111**	**1375**	**Interim Hazardous Material Regulatory Number**	**O**	**AN 1/5**

Segment: **LH2** **Hazardous Classification Information**
Position: 180
Loop: LH1 Optional
Level: Detail
Usage: Optional
Max Use: 4
Purpose: To specify the hazardous notation and endorsement information
Syntax Notes:
1 If either LH206 or LH207 is present, then the other is required.
2 If either LH208 or LH209 is present, then the other is required.
3 If either LH210 or LH211 is present, then the other is required.
Semantic Notes:
1 LH206 and LH207 indicate the flashpoint temperature.
2 LH208 and LH209 indicate the control temperature.
3 LH210 and LH211 indicate the emergency temperature.
Comments:
Notes: [125] LH2 SEGMENT - HAZMAT Additional Information (DG 6016)
SEGMENT CONDITION: Use for HAZMAT additional information as appropriate. Repeat the LH2 segment up to four times to document the UN Class or Division Number for subsidiary hazards.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
	LH201	**215**	**Hazardous Classification** The hazardous classification corresponding to the shipping name of the hazardous commodity [125-01] HAZMAT UN Class or Division Number (DG 6016) ELEMENT CONDITION: As appropriate, enter the one- or two-digit hazard class or division number in accordance with 49 CFR or International Maritime Dangerous Goods Code (IMDGC). If two characters, the second position is a decimal value (e.g., 12 implies 1.2). SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	**O**	**ID 1/30**
X	**LH202**	**983**	**Hazardous Class Qualifier** Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 1/1**
X	**LH203**	**218**	**Hazardous Placard Notation**	**O**	**ID 14/40**
X	**LH204**	**222**	**Hazardous Endorsement**	**O**	**ID 4/25**
	LH205	**759**	**Reportable Quantity Code** Code to identify presence of hazardous substance [125-05] HAZMAT Reportable Quantity Indicator (DG 6016) ELEMENT CONDITION: As appropriate, use to indicate that the hazardous material quantity meets or exceeds the quantity limit listed in 49 CFR. RQ Reportable Quantity [125-05] Reportable Quantity	**O**	**ID 2/2**
	LH206	**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 [125-06] HAZMAT Flash Point Qualifier (DG 6016) ELEMENT CONDITION: Required if HAZMAT Flash Point applies. CE Centigrade, Celsius [125-06] Centigrade, Celsius FA Fahrenheit [125-06] Fahrenheit	**X**	**ID 2/2**

	LH207	**408**	**Temperature**	**X**	**R 1/4**
			Temperature [125-07] HAZMAT Flash Point (DG 6016) The flash point for flammable liquids, in degrees Centigrade (C) or Fahrenheit (F). (For example, '800F' might indicate a closed cup flashpoint of 800 degrees Fahrenheit.)		
X	**LH208**	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**LH209**	**408**	**Temperature**	**X**	**R 1/4**
X	**LH210**	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**LH211**	**408**	**Temperature**	**X**	**R 1/4**

Segment: **LH3** **Hazardous Material Shipping Name**
Position: 190
Loop: LH1 Optional
Level: Detail
Usage: Optional
Max Use: 12
Purpose: To specify the hazardous material shipping name and additional descriptive requirements
Syntax Notes: **1** If either LH301 or LH302 is present, then the other is required.
Semantic Notes: **1** If LH304 is "Y", then this is an Association of American Railroads Operations and Transportation Bulletin 55 commodity. If "N", it is not an Association of American Railroads Operations and Transportation Bulletin 55 commodity.
Comments:
Notes: [126] LH3 SEGMENT - HAZMAT Proper Shipping Name (DG 6016)
SEGMENT CONDITION: Segment is required for all HAZMAT shipping. If HAZMAT Proper Shipping Name is greater than 25 characters, use additional LH3 segments as required.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**LH301**	**224**	**Hazardous Material Shipping Name** The proper shipping name of the hazardous commodity as specified by the Code of Federal Regulations, Title 49 [126-01] HAZMAT Proper Shipping Name (DG 6016) Enter proper shipping name. See LFH02 segment (HL loop position 191) to enter the technical name when required by regulation. SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	**X AN 1/25**
>>	**LH302**	**984**	**Hazardous Material Shipping Name Qualifier** Qualifier indicating the source (regulatory) of the proper shipping name [126-02] HAZMAT Proper Shipping Name Qualifier (DG 6016) C Canadian Shipping Name [126-02] Canadian Shipping Name D Domestic (United States) Shipping Name [126-02] Domestic (United States) Shipping Name I International Shipping Name [126-02] International Shipping Name	**X ID 1/1**
X	**LH303**	**985**	**N.O.S. Indicator Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 3/3**
X	**LH304**	**1073**	**Yes/No Condition or Response Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**O ID 1/1**

Segment: **LFH** **Freeform Hazardous Material Information**
Position: 191
Loop: LH1 Optional
Level: Detail
Usage: Optional
Max Use: 20
Purpose: To uniquely identify the variable information required by government regulation covering the transportation of hazardous material shipments
Syntax Notes:
1 If either LFH05 or LFH06 is present, then the other is required.
Semantic Notes:
1 LFH06 indicates activity of the radioactive material.
2 LFH07 indicates transport index of the radioactive material.
Comments:
Notes:
[127] LFH SEGMENT - HAZMAT Type Pack Code (DG 6016)
CHANGE NOTE: Segment added (and FACTS guidance applied) per DM 863.
SEGMENT CONDITION: Use when LH102 - HAZMAT Type Pack Quantity present.
[128] LFH SEGMENT - HAZMAT Remarks (Radioactive) (DG 6016)
CHANGE NOTE: Segment added per DM 803.
SEGMENT CONDITION: Use for Radioactive HAZMAT shipments.
[129] LFH SEGMENT - HAZMAT Technical Name (DG 6016)
SEGMENT CONDITION: Required when Proper Shipping Name (PSN) contains a technical name in parentheses immediately following the PSN. If HAZMAT Technical Name is greater than 25 characters, use additional LFH segments as required.
[130] LFH SEGMENT - HAZMAT Waste Indicator (DG 6016)
SEGMENT CONDITION: Required if the hazardous material is defined as waste.
[131] LFH SEGMENT - HAZMAT Limited Quantity Indicator (DG 6016)
SEGMENT CONDITION: Required when the hazardous material is defined as limited.
[132] LFH SEGMENT - HAZMAT Cargo Aircraft Only Indicator (DG 6016)
SEGMENT CONDITION: Required for HAZMAT cargo on military air transportation when the applicable passenger 'P' code is indicated in accordance with AFMAN 24-204(I)/TM 38-250/MCO P4030.19H/NAVSUP Pub 505/DLAI 4145.3, "Preparing Hazardous Materials for Military Air Shipments."
[133] LFH SEGMENT - HAZMAT Toxic Inhalation Zone Code (DG 6016)
SEGMENT CONDITION: Required for toxic inhalation materials.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LFH01**	**808**	**Hazardous Material Shipment Information Qualifier** Qualifier indicating the type of information being passed so that a receiver may format a description of hazardous commodity movements that meets regulatory requirements [127-01] HAZMAT Shipment Identifier (DG 6016) [128-01] Additional Basic Description Information Qualifier (DG 6016) Use code value 'RAM' when additional information must appear for Radioactive Material according to 49 CFR. [129-01] HAZMAT Technical Name Qualifier (DG 6016) [130-01] HAZMAT Waste Indicator Qualifier (DG 6016) [131-01] HAZMAT Limited Quantity Indicator Qualifier (DG 6016) [132-01] HAZMAT Cargo Aircraft Only Indicator Qualifier (DG 6016) [133-01] HAZMAT Toxic Inhalation Materials Indicator Qualifier (DG 6016)	**M ID 3/3**
			CAO Cargo Airlift Only [132-01] Cargo Airlift Only	
			HZC Hazardous Substance Constituents [127-01] Hazardous Substance Constituents Use 'HZC' to denote HAZMAT Type Pack Code segment	
			LQY "Limited Quantity" Declaration [131-01] "Limited Quantity" Declaration	

			PIH	"Poison - Inhalation Hazard" Declaration	
				[133-01] "Poison - Inhalation Hazard" Declaration	
			RAM	Radioactive Material Data	
				[128-01] Radioactive Material Data	
			TEC	Technical or Chemical Group Name	
				[129-01] Technical or Chemical Group Name	
			WST	Waste Declaration	
				[130-01] Waste Declaration	
M	**LFH02**	**809**	**Hazardous Material Shipment Information**	**M**	**AN 1/25**
			Specific information required by law for hazardous material shipments		
			[127-02] HAZMAT Type Pack Code (DG 6016) Enter the appropriate ANSI X12 code from TMDS (https://www-tmds.c2.amc.af.mil/TMDS/DTRdata.xsql?result=&view=V_TYPE_PACK&skip=0&max=10). [128-02] Additional Basic Description Information (Radioactive) (DG 6016) Enter the appropriate text in quotes as specified by 49 CFR 172.203(d). [129-02] HAZMAT Technical Name (DG 6016) Enter the technical name of the HAZMAT material. [130-02] HAZMAT Waste Indicator (DG 6016) Enter the word 'WASTE' if the hazardous material is defined as waste. [131-02] HAZMAT Limited Quantity Indicator (DG 6016) Include the words 'Limited Quantity' or 'LTD QTY' when the material is defined as such. [132-02] HAZMAT Cargo Aircraft Only Indicator (DG 6016) Enter 'Cargo Aircraft Only'. [133-02] HAZMAT Toxic Inhalation Materials Indicator (DG 6016) Use the words 'Toxic Inhalation Hazard ' followed by 'Zone A', 'Zone B', 'Zone C', or 'Zone D' for gases or 'Zone A' or 'Zone B' for liquids depending on the zone selected in LFH04. The word 'toxic' is not required if already included as part of the PSN.		
	LFH03	**809**	**Hazardous Material Shipment Information**	**O**	**AN 1/25**
			Specific information required by law for hazardous material shipments		
			[127-03] HAZMAT Type Pack Description (DG 6016) ELEMENT CONDITION: Enter corresponding HAZMAT Type Pack Code description, if applicable.		
>>	**LFH04**	**1023**	**Hazard Zone Code**	**O**	**ID 1/1**
			Code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone		
			[133-04] HAZMAT Toxic Inhalation Zone Code (DG 6016) Indicate the appropriate hazard zone to affix to entry in LFH02.		
			A	Hazard Zone A	
				[133-04] Hazard Zone A	
			B	Hazard Zone B	
				[133-04] Hazard Zone B	
			C	Hazard Zone C	
				[133-04] Hazard Zone C	
			D	Hazard Zone D	
				[133-04] Hazard Zone D	

>>	**LFH05**	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**

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

[128-05] Radioactive Unit of Measure Code (DG 6016)

08	Heat Lots [128-05] Heat Lots Use '08' to denote Nanocurie
09	Tire [128-05] Tire Use '09' to denote Terabecquerels
2Q	Kilobecquerel Unit of radiation [128-05] Kilobecquerel
2R	Kilocurie Unit of radiation [128-05] Kilocurie
4D	Curie A unit of radioactivity equal to 3.7 * 10/10 disintegrations per second [128-05] Curie
4N	Megabecquerel Unit of radiation [128-05] Megabecquerel
G4	Gigabecquerel Unit of radiation equal to 27 millicuries [128-05] Gigabecquerel
M5	Microcurie [128-05] Microcurie
MU	Millicurie [128-05] Millicurie
R2	Becquerel Unit of radiation equal to 3.7 * 10/10 of a curie [128-05] Becquerel

>>	**LFH06**	**380**	**Quantity**	**X**	**R 1/15**

Numeric value of quantity

[128-06] Radioactive Activity Level (DG 6016)
Enter Radioactive Activity Level.

	LFH07	**380**	**Quantity**	**O**	**R 1/15**

Numeric value of quantity

[128-07] Transport Index of Radioactive Material (DG 6016)
ELEMENT CONDITION: Enter Transport Index if required.

Segment: **LHR** **Hazardous Material Identifying Reference Numbers**
Position: 210
Loop: LH1 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To transmit specific hazardous material reference numbers
Syntax Notes:
Semantic Notes:
Comments:
Notes: [134] LHR SEGMENT - HAZMAT DoDIC/IMO Designation (DG 6001)
SEGMENT CONDITION: Required for all hazardous materials.
[135] LHR SEGMENT - HAZMAT Compatibility Group Code (DG 6001)
SEGMENT CONDITION: Required for ammunition and explosives.
[136] LHR SEGMENT - HAZMAT Special Approval Number (DG 6016)
SEGMENT CONDITION: A Special Approval (DOT Special Permit, CAA, COE, or DoD packaging waiver) number must be entered if applicable.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**LHR01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			Code qualifying the Reference Identification			
			[134-01] HAZMAT DoDIC/IMO Designation Qualifier (DG 6001) [135-01] HAZMAT Compatibility Group Code Qualifier (DG 6001) [136-01] HAZMAT Special Approval Number Qualifier (DG 6016)			
			1I	Department of Defense Identification Code (DoDIC)		
				Qualifies a code that uniquely identifies a type of explosive or ammunition		
				[134-01] Department of Defense Identification Code (DoDIC) Use '1I' to denote ammunition, ammunition components, and explosives		
			6P	Group Number		
				[135-01] Group Number		
			HN	Hazardous Certification Number		
				[136-01] Hazardous Certification Number Use 'HN' to denote Special Approval Number		
			ZZ	Mutually Defined		
				[134-01] Mutually Defined Use 'ZZ' to denote other HAZMAT		
M	**LHR02**	**127**	**Reference Identification**		**M**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
			[134-02] HAZMAT DoDIC/IMO Designation (DG 6001) For ammunition, ammunition components, and explosives, enter the Department of Defense Identification Code (DoDIC). For other HAZMAT, enter the letters 'IMO'. [135-02] HAZMAT Compatibility Group Code (DG 6001) [136-02] HAZMAT Special Approval Number (DG 6016) Enter special approval (DOT Special Permit, CAA, COE, or DoD packaging waiver) number.			
X	**LHR03**	**373**	**Date**		**O**	**DT 8/8**

Segment: **FA1** **Type of Financial Accounting Data**
Position: 230
Loop: FA1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify the organization controlling the content of the accounting citation, and the purpose associated with the accounting citation
Syntax Notes:
Semantic Notes:
1 FA101 Identifies the organization controlling the assignment of financial accounting information.
2 FA102 Identifies the purpose of the accounting allowance or charge information.
Comments:
Notes: [46] FA1 SEGMENT - Shipment Unit (T_0/1/4) (DG 1001) This segment begins the appropriation number loop for T_0/1/4 data (DG 1001). It calls for both FA1 and FA2 segments. Carriers do not need to receive appropriation data. Shipper systems that are capable of receiving, storing, and sending structured DoD appropriation numbers may use this loop to exchange those numbers with trading partners.
[77] FA1 SEGMENT - 463L (T_2) (DG 2001) Carriers do not need to receive appropriation data. Shipper systems that are capable of receiving, storing, and sending structured DoD appropriation numbers may use this loop to exchange those numbers with trading partners.
SEGMENT CONDITION: Use this segment for the Transportation Account Code (TAC).This segment begins the appropriation number loop for T_2 data (DG 2001). It calls for both FA1 and FA2 segments.
[102] FA1 SEGMENT - Other Consolidations (Not SEAVAN/RORO/463L) (T_3) (DG 3001) Carriers do not need to receive appropriation data. Shipper systems that are capable of receiving, storing, and sending structured DoD appropriation numbers may use this loop to exchange those numbers with trading partners.
SEGMENT CONDITION: Use this segment for the Transportation Account Code (TAC) when available.This segment begins the appropriation number loop for T_3 data (DG 3001). It calls for both FA1 and FA2 segments.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**FA101**	**559**	**Agency Qualifier Code**		**M ID 2/2**
			Code identifying the agency assigning the code values		
			[46-01] Agency Qualifier Code (DG 1001) Code identifying the agency assigning the code values. [77-01] Agency Qualifier Code (DG 2001) Code identifying the agency assigning the code values. [102-01] Agency Qualifier Code (DG 3001) Code identifying the agency assigning the code values.		
			DF	Department of Defense (DoD)	
				[46-01] Department of Defense (DoD) [77-01] Department of Defense (DoD) [102-01] Department of Defense (DoD)	
			DN	Department of the Navy	
				[46-01] Department of the Navy [77-01] Department of the Navy [102-01] Department of the Navy	
			DX	United States Marine Corps	
				[46-01] United States Marine Corps [77-01] United States Marine Corps [102-01] United States Marine Corps	

			DY	Department of Air Force [46-01] Department of Air Force [77-01] Department of Air Force [102-01] Department of Air Force	
			DZ	Department of Army [46-01] Department of Army [77-01] Department of Army [102-01] Department of Army	
			HS	Department of Health and Human Services [46-01] Department of Health and Human Services Use 'HS' to denote Department of Homeland Security/US Coast Guard (DHS/USCG) [77-01] Department of Health and Human Services Use 'HS' to denote Department of Homeland Security/US Coast Guard (DHS/USCG) [102-01] Department of Health and Human Services Use 'HS' to denote Department of Homeland Security/US Coast Guard (DHS/USCG)	
X	**FA102**	**1300**	**Service, Promotion, Allowance, or Charge Code**	**O**	**ID 4/4**
X	**FA103**	**248**	**Allowance or Charge Indicator**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		

Segment: **FA2** **Accounting Data**
Position: 240
Loop: FA1 Optional (Must Use)
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: To specify the detailed accounting data
Syntax Notes:
Semantic Notes:
Comments:
Notes: [47] FA2 SEGMENT - Shipment Unit Appropriation Elements (T_0/1/4) (DG 1001)
[78] FA2 SEGMENT - 463L Appropriation Elements (T_2) (DG 2001)
Required when FA1 segment is used.
[103] FA2 SEGMENT - Other Consolidations (Not SEAVAN/RORO/463L) (T_3) (DG 3001)
Required when FA1 segment is used.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**FA201**	**1196**	**Breakdown Structure Detail Code**		**M ID 2/2**
			Codes identifying details relating to a reporting breakdown structure tree		
			[47-01] Breakdown Structure Detail Code (T_0/1/4) (DG 1001) [78-01] Breakdown Structure Detail Code (T_2) (DG 2001) [103-01] Breakdown Structure Detail Code (T_3) (DG 3001)		
			84	Total Direct Costs	
				[47-01] Total Direct Costs [78-01] Total Direct Costs [103-01] Total Direct Costs	
			A1	Department Indicator	
				[47-01] Department Indicator [78-01] Department Indicator [103-01] Department Indicator	
			A2	Transfer from Department	
				[47-01] Transfer from Department [78-01] Transfer from Department [103-01] Transfer from Department	
			A3	Fiscal Year Indicator	
				[47-01] Fiscal Year Indicator [78-01] Fiscal Year Indicator [103-01] Fiscal Year Indicator	
			A4	Basic Symbol Number	
				[47-01] Basic Symbol Number [78-01] Basic Symbol Number [103-01] Basic Symbol Number	
			A5	Sub-class	
				[47-01] Sub-class [78-01] Sub-class [103-01] Sub-class	
			A6	Sub-Account Symbol	
				[47-01] Sub-Account Symbol [78-01] Sub-Account Symbol [103-01] Sub-Account Symbol	

AT	Air Force Transportation Account Code (ATAC)
	[47-01] Air Force Transportation Account Code (ATAC) [78-01] Air Force Transportation Account Code (ATAC) [103-01] Air Force Transportation Account Code (ATAC)
B1	Budget Activity Number
	[47-01] Budget Activity Number [78-01] Budget Activity Number [103-01] Budget Activity Number
B2	Budget Sub-activity Number
	[47-01] Budget Sub-activity Number [78-01] Budget Sub-activity Number [103-01] Budget Sub-activity Number
B3	Budget Program Activity
	[47-01] Budget Program Activity [78-01] Budget Program Activity [103-01] Budget Program Activity
C1	Program Element
	[47-01] Program Element [78-01] Program Element [103-01] Program Element
C2	Project Task or Budget Subline
	[47-01] Project Task or Budget Subline [78-01] Project Task or Budget Subline [103-01] Project Task or Budget Subline
D1	Defense Agency Allocation Recipient
	[47-01] Defense Agency Allocation Recipient [78-01] Defense Agency Allocation Recipient [103-01] Defense Agency Allocation Recipient
D4	Component Sub-allocation Recipient
	[47-01] Component Sub-allocation Recipient [78-01] Component Sub-allocation Recipient [103-01] Component Sub-allocation Recipient
D6	Sub-allotment Recipient
	[47-01] Sub-allotment Recipient [78-01] Sub-allotment Recipient [103-01] Sub-allotment Recipient
D7	Work Center Recipient
	[47-01] Work Center Recipient [78-01] Work Center Recipient [103-01] Work Center Recipient
E1	Major Reimbursement Source Code
	[47-01] Major Reimbursement Source Code [78-01] Major Reimbursement Source Code [103-01] Major Reimbursement Source Code
E2	Detail Reimbursement Source Code
	[47-01] Detail Reimbursement Source Code [78-01] Detail Reimbursement Source Code [103-01] Detail Reimbursement Source Code
E3	Customer Indicator
	[47-01] Customer Indicator [78-01] Customer Indicator [103-01] Customer Indicator

F1	Object Class
	[47-01] Object Class [78-01] Object Class [103-01] Object Class
F3	Government or Public Sector Identifier
	[47-01] Government or Public Sector Identifier [78-01] Government or Public Sector Identifier [103-01] Government or Public Sector Identifier
G2	Special Interest Code or Special Program Cost Code
	[47-01] Special Interest Code or Special Program Cost Code [78-01] Special Interest Code or Special Program Cost Code [103-01] Special Interest Code or Special Program Cost Code
I1	Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC)
	[47-01] Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC) [78-01] Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC) [103-01] Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC)
J1	Document or Record Reference Number
	[47-01] Document or Record Reference Number [78-01] Document or Record Reference Number [103-01] Document or Record Reference Number
K6	Accounting Classification Reference Code
	[47-01] Accounting Classification Reference Code [78-01] Accounting Classification Reference Code [103-01] Accounting Classification Reference Code
L1	Accounting Installation Number
	[47-01] Accounting Installation Number [78-01] Accounting Installation Number [103-01] Accounting Installation Number
M1	Local Installation Data
	[47-01] Local Installation Data [78-01] Local Installation Data [103-01] Local Installation Data
MD	Movement Designator Code (MDC)
	[47-01] Movement Designator Code (MDC) [78-01] Movement Designator Code (MDC) [103-01] Movement Designator Code (MDC)
N1	Transaction Type
	[47-01] Transaction Type [78-01] Transaction Type [103-01] Transaction Type
P5	Foreign Military Sales (FMS) Line Item Number
	[47-01] Foreign Military Sales (FMS) Line Item Number [78-01] Foreign Military Sales (FMS) Line Item Number [103-01] Foreign Military Sales (FMS) Line Item Number

			TA	Transportation Account Code (TAC) [47-01] Transportation Account Code (TAC) [78-01] Transportation Account Code (TAC) [103-01] Transportation Account Code (TAC)	
			ZZ	Mutually Defined [47-01] Mutually Defined [78-01] Mutually Defined [103-01] Mutually Defined	
M	**FA202**	**1195**	**Financial Information Code** Code representing financial accounting information [47-02] Financial Information Code (T_0/1/4) (DG 1001) When FA201 contains code value '84', FA202 should be formatted as a dollar amount including a decimal character and two positions after the decimal, representing cents even if the value is a whole dollar amount. Enter value '0003' when FA201 code value is 'TA' (Transportation Account Code) and shipment is by courier. [78-02] Financial Information Code (T_2) (DG 2001) When FA201 code value is '84', FA202 should be formatted as a dollar amount including a decimal character and two positions after the decimal, representing cents even if the value is a whole dollar amount. [103-02] Financial Information Code (T_3) (DG 3001) When FA201 contains code value '84', FA202 should be formatted as a dollar amount including a decimal character and two positions after the decimal, representing cents even if the value is a whole dollar amount.	**M**	**AN 1/80**

Segment: **NM1** **Individual or Organizational Name**
Position: 260
Loop: NM1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To supply the full name of an individual or organizational entity
Syntax Notes: **1** If either NM108 or NM109 is present, then the other is required.
2 If NM111 is present, then NM110 is required.
Semantic Notes: **1** NM102 qualifies NM103.
Comments: **1** NM110 and NM111 further define the type of entity in NM101.
Notes: [150] NM1 SEGMENT - Personal Property Owner (DG 8001)
[171] NM1 SEGMENT - Clear Text Consignee Address Name (DG 9013)
SEGMENT CONDITION: This segment shows the first line of the address, which may be an organization's name or individual's name.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**NM101**	**98**	**Entity Identifier Code**	**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			[150-01] Personal Property Owner Identifier Code (DG 8001) [171-01] Clear Text Consignee Address Qualifier (DG 9013)		
			CN Consignee		
			[171-01] Consignee Use 'CN' to denote Clear Text Consignee Address		
			OW Owner of Property or Unit		
			[150-01] Owner of Property or Unit		
M	**NM102**	**1065**	**Entity Type Qualifier**	**M**	**ID 1/1**
			Code qualifying the type of entity		
			[150-02] Personal Property Owner Qualifier (DG 8001) [171-02] Clear Text Consignee Address Name Qualifier (DG 9013)		
			1 Person		
			[150-02] Person		
			6 Organization		
			[171-02] Organization Use '6' to denote Clear Text Consignee Address Name		
>>	**NM103**	**1035**	**Name Last or Organization Name**	**O**	**AN 1/35**
			Individual last name or organizational name		
			[150-03] Personal Property Owner's Last Name (DG 8001) [171-03] Clear Text Consignee Name (DG 9013) Enter first line of the Clear Text Consignee address. (i.e., organization's name or individual's name).		
>>	**NM104**	**1036**	**Name First**	**O**	**AN 1/25**
			Individual first name		
			[150-04] Personal Property Owner's First Name (DG 8001) If available use full first name, otherwise use initial.		
	NM105	**1037**	**Name Middle**	**O**	**AN 1/25**
			Individual middle name or initial		
			[150-05] Personal Property Owner's Middle Name/Initial (DG 8001) Enter middle name or initial.		
X	**NM106**	**1038**	**Name Prefix**	**O**	**AN 1/10**
X	**NM107**	**1039**	**Name Suffix**	**O**	**AN 1/10**

>>	**NM108**	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) [150-08] Grade Code Qualifier (DG 8001) ZZ Mutually Defined [150-08] Mutually Defined Use 'ZZ' to denote Grade Code Information	**X**	**ID 1/2**
>>	**NM109**	**67**	**Identification Code** Code identifying a party or other code [150-09] Military/Civilian Grade Code (DG 8001) Insert the applicable pay grade code. SOURCE: DTR Part II, Appendix FF	**X**	**AN 2/80**
X	**NM110**	**706**	**Entity Relationship Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 2/2**
X	**NM111**	**98**	**Entity Identifier Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 2/3**

Segment: **N3** **Address Information**
Position: 270
Loop: NM1 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: [151] N3 SEGMENT - Additional Consignee Address (DG 8017)
SEGMENT CONDITION: Use this segment/loop to describe up to four additional consignee address lines for property consigned to a civil address.
[172] N3 SEGMENT - Clear Text Consignee Address (DG 9013)
Use the first iteration of this segment to show the second and third lines of the address.
Use the second iteration of this segment to show the fourth and fifth lines of the address.
SEGMENT CONDITION: Required when no consignee DoDAAC is available in N104 (Consignee DoDAAC) data element.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N301**	**166**	**Address Information** Address information [151-01] Additional Consignee Address (DG 8017) Enter Clear Text address information for consignee. [172-01] Clear Text Consignee Address Information (DG 9013) Enter Clear Text Address Information for consignee.	**M**	**AN 1/55**
	N302	**166**	**Address Information** Address information [151-02] Additional Consignee Address (DG 8017) Enter additional Clear Text address information for consignee. [172-02] Clear Text Consignee Address Information (DG 9013) Enter additional Clear Text Address Information for consignee.	**O**	**AN 1/55**

Segment: **N1** **Name**
Position: 290
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:
1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments:
1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.
Notes: [48] N1 SEGMENT - Consignor or Defense Courier Transfer Station Code (DG 1001) This is a mandatory segment for the following reasons: the consignor/consignee DoDAAC is needed for most TCMDs; the consignor CAGE is needed for MSLs when a vendor does not have a DoDAAC; and the TCMD TC1 record needs the DCSS data for record position 9-14 and 47-52.
[49] N1 SEGMENT - Consignee or Courier Transfer Station Code (DG 1001)
[79] N1 SEGMENT - Loading Activity DoDAAC (DG 2001)
SEGMENT CONDITION: This segment identifies the activity loading the shipment units and/or consolidation containers into a RORO or onto a 463L pallet.
[80] N1 SEGMENT - Consignee of SEAVAN/RORO/463L (DG 2001) This segment identifies the activity receiving the SEAVAN/RORO/463L.
[81] N1 SEGMENT - Van Point of Origin (DG 2014)
SEGMENT CONDITION: Use for SEAVAN shipments.
[104] N1 SEGMENT - Loading Activity (DG 3001)
LOOP CONDITION: This segment identifies the activity loading the consolidated shipment into a SEAVAN/RORO or onto a 463L pallet.
[105] N1 SEGMENT - Consignee of the Consolidated Shipment (DG 3001)
[171] N1 SEGMENT - Applier of Replacement Seals (DG 9014)
SEGMENT CONDITION: Use when replacement seals are applied.
[194] N1 SEGMENT - Loading Activity DoDAAC (DG 9801)
LOOP CONDITION: Use to indicate the pallet loading activity if the pallet is loaded at other than an air terminal.
[195] N1 SEGMENT - Ultimate Consignee DoDAAC (DG 9801)
LOOP CONDITION: Use only if the 463L pallet contents will be delivered to a single consignee.
SEGMENT CONDITION: Use only if the 463L pallet contents will be delivered to a single consignee.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual [48-01] Consignor or Defense Courier Transfer Station Code Qualifier (DG 1001) [49-01] Consignee or Courier Transfer Station Code Qualifier (DG 1001) [79-01] Loading Activity Qualifier (DG 2001) [80-01] Consignee of SEAVAN/RORO/463L Qualifier (DG 2001) [81-01] Van Point of Origin Qualifier (DG 2014) [104-01] Loading Activity Qualifier (DG 3001) [105-01] Consignee of the Consolidated Shipment Qualifier (DG 3001) [171-01] Applier of Replacement Seals Qualifier (DG 9014) [194-01] Loading Activity Qualifier (DG 9801) [195-01] Ultimate Consignee Qualifier (DG 9801)	**M ID 2/3**

CE	Consignee (To receive large parcels and freight)
	[80-01] Consignee (To receive large parcels and freight) [105-01] Consignee (To receive large parcels and freight)
CI	Consignor
	[48-01] Consignor Use 'CI' to denote Consignor DoDAAC
CN	Consignee
	[49-01] Consignee [195-01] Consignee Use 'CN' to denote Ultimate Consignee
IAD	Foreign Office
	[49-01] Foreign Office Use 'IAD' to denote Military Assistance Program Address Code (MAPAC)
LP	Loading Party
	[79-01] Loading Party [104-01] Loading Party [194-01] Loading Party Use 'LP' to denote Pallet Loading Activity
OT	Origin Terminal
	[81-01] Origin Terminal
SW	Sealing Company
	[171-01] Sealing Company
TSE	Consignee Courier Transfer Station
	[49-01] Consignee Courier Transfer Station
TSR	Consignor Courier Transfer Station
	[48-01] Consignor Courier Transfer Station
XX	Business Area
	[48-01] Business Area Use 'XX' to denote Consignor CAGE

>>	**N102**	**93**	**Name**	**X**	**AN 1/60**

Free-form name

[48-02] Consignor or Defense Courier Transfer Station Code (DG 1001)
For code value 'XX' in N101, use this element for the Consignor CAGE code. For code value 'CI' in N101, use this element for Consignor DoDAAC. For code value 'TSR' in N101, use this element for Armed Forces Courier Service Shipment Units. Enter the DCSS code followed immediately by the APOE air terminal identifier code.
[49-02] Consignee or Courier Transfer Station Code (DG 1001)
For the code values in N101, perform the following actions:
'CN' - Show ultimate consignee DoDAAC if available. If DoDAAC is not available, use Service indicator (e.g., A, F, N, etc.) followed by five zeros, as it appears in DTR, and furnish the clear text name and address of the consignee in the Line Detail HL '9' loop (DG 9013) using the NM1 and N3 segments (HL loop positions 260/270).

`IAD' - Enter the MAPAC constructed IAW DTR Part II, Appendix E.

'TSE' - Use this element for Armed Forces Courier Service Shipment Units. Enter the DCSS code followed immediately by the APOD Air Terminal Identifier code.
[194-02] Loading Activity DODAAC (DG 9801)
Enter the DoDAAC of the activity that loaded the pallet if not an air terminal.

>>	**N103**	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67) [79-03] Loading Activity DoDAAC Qualifier (DG 2001) [80-03] Consignee of SEAVAN/RORO/463L DoDAAC Qualifier (DG 2001) [81-03] Van Point of Origin ZIP Code Qualifier (DG 2014) [104-03] Loading Activity DoDAAC Qualifier (DG 3001) [105-03] Consignee of the Consolidated Shipment DoDAAC Qualifier (DG 3001) [171-03] DoDAAC/SCAC/CAGE Qualifier (DG 9014) [195-03] Identification Code Qualifier (DG 9801)		
			2 Standard Carrier Alpha Code (SCAC) [171-03] Standard Carrier Alpha Code (SCAC)		
			10 Department of Defense Activity Address Code (DODAAC) [79-03] Department of Defense Activity Address Code (DODAAC) [80-03] Department of Defense Activity Address Code (DODAAC) [104-03] Department of Defense Activity Address Code (DODAAC) [105-03] Department of Defense Activity Address Code (DODAAC) [171-03] Department of Defense Activity Address Code (DODAAC) [195-03] Department of Defense Activity Address Code (DODAAC)		
			16 ZIP Code [81-03] ZIP Code		
			33 Commercial and Government Entity (CAGE) [171-03] Commercial and Government Entity (CAGE)		
>>	**N104**	**67**	**Identification Code**	**X**	**AN 2/80**
			Code identifying a party or other code [79-04] Loading Activity DoDAAC (DG 2001) Enter the DoDAAC of the Loading Activity. [80-04] Consignee of SEAVAN/RORO/463L DoDAAC (DG 2001) Enter the DoDAAC for the final consignee. For stop-offs, use N9/N1 segments (HL loop positions 100/290). [81-04] Van Point of Origin ZIP Code (DG 2014) Van's Point of Origin five-digit ZIP code with optional hyphen and ZIP + 4. [104-04] Loading Activity DoDAAC (DG 3001) Enter the DoDAAC of the activity loading the consolidated shipment. [105-04] Consignee of the Consolidated Shipment DoDAAC (DG 3001) Enter the DoDAAC for consignee of the consolidated shipment. [171-04] Activity that Applied Seals (DG 9014) DoDAAC or CAGE code for Defense activities or enter ocean carrier SCAC code. [195-04] Ultimate Consignee DoDAAC (DG 9801) Enter DoDAAC of the ultimate consignee.		
X	**N105**	**706**	**Entity Relationship Code**	**O**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**N106**	**98**	**Entity Identifier Code**	**O**	**ID 2/3**
			Refer to 004010 Data Element Dictionary for acceptable code values.		

Segment: **SE** **Transaction Set Trailer**
Position: 020
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:
Semantic Notes:
Comments: **1** SE is the last segment of each transaction set.
Notes: [196] SE SEGMENT - TCMD Trailer (DG 10)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**SE01**	**96**	**Number of Included Segments** Total number of segments included in a transaction set including ST and SE segments [196-01] Number of Included Segments (DG 10) Total segments in this transaction set including the ST and SE segments.	**M N0 1/10**
M	**SE02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set [196-02] Transaction Set Control Number (DG 10) This data element ends the transaction set and should match the number that appears in the ST02 that begins the transaction set.	**M AN 4/9**

Section 4.0

IC ELEMENT MATRIX

OVERVIEW

In order to implement an EDI transaction set, trading partners need to identify the application data elements they plan to exchange, identify where they plan to carry the data within the structure of the EDI transaction (a task commonly called mapping), identify any additional X12 data such as qualifier codes, and publish that information in an implementation convention (IC). This section lists that information in an IC Element Matrix.

PURPOSE

Using the IC element matrix will expedite mapping of an application database into a commercial EDI translation package. The Application Notes section below describes the application specific to this IC element matrix.

HOW TO READ THE IC ELEMENT MATRIX

To read the matrix, trading partner needs to understand matrix record types, two categories of matrix information, the matrix layout, and the sort order of the matrix. They also need a basic understanding of ASC X12 standard structures and syntax.

Record Types

The IC element matrix contains two types of records: segment header records and element records.

- Segment header records begin the description of a discrete occurrence of an X12 segment. The element records (described below) that follow a segment header record cannot be co-mingled with elements from other segments.
- Element records identify an individual data element that occurs within a segment. Each element satisfies either an application requirement or X12 standard syntax. If one element in a segment is passed, all elements in the segment need to be passed in accordance with the IC requirement designator (DoD REQ).

Two Categories of Record Information

Each record contains two categories of information: IC application information and ASC X12 information.

- IC application information describes attributes about the application requirement.

- ASC X12 information is extracted directly from the X12 standard dictionary and enables programmers to map the IC element into the standards.

Matrix Layout

The IC element matrix lists information in ten columns.

- IC Data Element Name (DATA NAME) is a label for each data element using terminology common to the business environment. The IC element matrix identifies an element as a "Route Order Number Qualifier." This is more concise than using the generic X12 label of "Reference Number Qualifier." A segment header record identifies the segment ID in this column.

- IC Element Number (INDEX) enables analysts and programmers to quickly cite a record in the matrix.

- IC Data Group Number (DATA GRP) is a number assigned by the IC developers. That number identifies an IC element with a group of elements that form a relation (database table) within the application data model. In order to quickly reference a relation, Defense transportation developers label them with a Data Group number. For example, a "Bill To Address" may belong to the "PURCHASE ORDER" relation (DATA GRP = 10). A "Stop-off Delivery Address" may belong to the "ITEM DELIVERY" relation (DATA GRP = 60).

- X12 Transaction Set Table Number (TBL). 1= Header Table, 2= Detail Table, 3= Summary Table.

- X12 Segment Position (POS). The position of the segment in the transaction set table.

- X12 Segment Reference Designator (REF DES). The segment ID and position of the element within the segment. This column is blank for all segment header records.

- X12 Simple or Composite Data Element Number (DE#). The X12 data element that occurs at the REF DES of the segment. This column is blank for all segment header records.

- IC Requirement Designator (DoD REQ). In a segment header record, this column indicates the usage of the segment. In an element record, this column indicates the usage of the element within the segment, if the segment is used.

- IC Element Code List (VALUE). This column lists both X12 standard codes and application-unique codes. If the list is large, it appears in the Section 6.0 - Application Code Lists.

- IC Element Notes (DoD CONVENTION NOTES) can contain information about various segment and element attributes. Element attributes may differ from those in the X12 standard. For example, if trading partners expect to exchange a purchase order number that has a specific length and structure, those attributes are decribed here. Further, if a DoD REQ is conditional, the condition is usually described here. Finally, the note may contain the following references:

  > DTR — Appearing in brackets (e.g. [DTR: T_9 D-15 54/80]), this notation references the DTR data identifier card (DIC) where the data originates. It also identifies the beginning and ending colums (e.g. 54/80) where the data occurs in the DIC.

  > ALTSEG/NTE — When a data element cites this notation, always carry the data element in a data group 9001 NTE segment and include the T_9 rp 80 counter number. Further, when the application system can identify trailer data content, carry the data as described by the citing data element and exclude the T_9 rp 80 counter number.

Sort Order of the Matrix

The IC element matrix is presented in an order that enables programmers to generate application-to-translator interface files (also known as user defined files or UDFs) that are syntactically correct in accordance with ASC X12 standards.

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
1	10	**ST SEGMENT - TCMD Header** Only one of the included BX segments applies. Depending upon manner of containerization for the shipment, choose DataGroup (DG) 1000 for single shipment units, DG 2000 for consolidated shipments loaded into SEAVAN/RORO/463L, or DG 3000 for other shipment unit consolidations.	M			1	010	M	1								
1-01	10	Transaction Set Identifier Code 858 - Shipment Information	M	ID	3/3	1	010	M	1				ST01	143	M	ID	3/3
							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).										
1-02	10	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set. The application and structure of the control number must be agreed upon between trading partners. (For example, the first five digits might indicate a group control number, with the last four digits representing the sequence of the transaction set within the functional group. Otherwise, the entire nine digit field may simply represent the sequence of the transaction set generated by a trading partner.)	M	AN	9/9	1	010	M	1				ST02	329	M	AN	4/9
2	1000	**BX SEGMENT - Single Shipment Unit (T_0/1)** SEGMENT CONDITION: ONE AND ONLY ONE BX SEGMENT MUST BE USED FOR THE 858B TRANSACTION SET. Use this segment and all applicable DG 1000 entries for a TCMD for a single shipment unit. Populate 858 Table 1 following DG 1000 references if the first DIC in the TCMD is a T_0 or T_1 (or R_0/1 for simulated mobilization exercises). Note that T_0/1/4 DICs are described by T_0 (DG 1000) records. Populate HL loops following DG 1001.	C			1	030	M	1								
2-01	1000	TCMD Purpose Code for Single Shipment Units Use in lieu of the transportation priority code when deleting or canceling the TCMD. See DTR Table M-2. [T_0 53/53],[T_1 53/53] 00 - Original 03 - Delete 04 - Change	M	ID	2/2	1	030	M	1				BX01	353	M	ID	2/2
2-02	1000	Mode/Method to POE Code Translate the one-position DTR mode/method code to a valid X12 code. This code value indicates the mode/method used to deliver the shipment unit to the POE. Use any code as appropriate. However, in accordance with DM 753, when using code value 'J', use it to denote Motor, Truckload.In cases where the shipment goes to a consolidation and containerization point (CCP), enter code value 'ZZ' to satisfy X12 syntax requirement. SOURCE: DTR Table M-2, M-3, or M-8. [T_0 27/27],[T_1 27/27] See Section 6 for list of data values.	M	ID	1/2	1	030	M	1				BX02	91	M	ID	1/2

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
2-03	1000	Shipment Method of Payment Code Enter code value 'TP' to satisfy X12 syntax requirements. TP - Third Party Pay	M	ID	2/2	1	030	M	1				BX03	146	M	ID	2/2
2-04	1000	Shipment Unit Transportation Control Number (TCN) Enter the Transportation Control Number (TCN) for the shipment unit. This TCN also appears in the HL '1' loop (DG 1001) in the N9 segment (HL loop position 100). See DTR Table M-2, M-3, or M-8. [T_0 30/46],[T_1 30/46]	M	AN	17/17	1	030	M	1				BX04	145	O	AN	1/30
2-14	1000	Type of TCMD (Doc ID) Based on the values from position 1 and 3 of the TCMD DIC, use one of the following code values: SOURCE: DTR Table M-2 [T_0 1/3],[T_1 1/3] R1 - Simulation of Single Shipment Less Release Units (U.S. Department of Defense) *Use 'R1' to denote Less than Release Unit Shipments.* RQ - Simulation Single Shipment Release Unit (U.S. Department of Defense) T1 - Single Shipment Less Release Units (U.S. Department of Defense) *Use 'T1' to denote Less than Release Unit Shipments.* TQ - Single Shipment Release Unit (U.S. Department of Defense)	M	ID	2/2	1	030	M	1				BX14	346	O	ID	2/2
3	1000	**N9 SEGMENT - Transportation Tracking Number (TTN)** SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable. CHANGE NOTE: Segment added per DM 887.	C			1	060	O	30								
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
3-01	1000	Transportation Tracking Number (TTN) Qualifier 18 - Plan Number *Use '18' to denote Transportation Tracking Number (TTN).*	M	ID	2/2	1	060	O	30				N901	128	M	ID	2/3
3-02	1000	Transportation Tracking Number (TTN)	M	AN	17/17	1	060	O	30				N902	127	C	AN	1/30
4	1000	**C3 SEGMENT - Currency Code** SEGMENT CONDITION: This segment indicates the currency used for the TCMD. The segment is not required, and will not be used, when currency is in U.S. Dollars.	C			1	090	O	1								
							Currency is implied by the code for the country in whose currency the monetary amounts are specified.										

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
4-01	1000	Currency Code Data element C301 indicates a particular country's/region's currency used for all items on the TCMD. (For example, the code value for EURO dollars is 'EUR'.) Other appropriate currency code values from the ISO 4217 table may be found on the web at: http://www.iso.org/iso/en/prods-services/popstds/currencycodeslist.html. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	M	ID	3/3	1	090 C301 is the billing currency.	O	1				C301	100	M	ID	3/3
5	1000	**PER SEGMENT - Shipper (SH) Contact Information** SEGMENT CONDITION: Complete this segment if shipper primary point of contact information is available Segment added per DM 1010	C			1	120 If either PER03 or PER04 is present, then the other is required. If either PER05 or PER06 is present, then the other is required. If either PER07 or PER08 is present, then the other is required.	O	3								
5-01	1000	Shipper Contact Qualifier SH - Shipper Contact	M	ID	2/2	1	120	O	3				PER01	366	M	ID	2/2
5-02	1000	Shipper Contact Name	M	AN	1/60	1	120	O	3				PER02	93	O	AN	1/60
5-03	1000	Phone Number Qualifier TE - Telephone	C	ID	2/2	1	120	O	3				PER03	365	C	ID	2/2
5-04	1000	Shipper Phone Number	C	AN	10/14	1	120	O	3				PER04	364	C	AN	1/80
5-05	1000	E-mail Address Qualifier EM - Electronic Mail	C	ID	2/2	1	120	O	3				PER05	365	C	ID	2/2
5-06	1000	Shipper E-mail Address	C	AN	7/80	1	120	O	3				PER06	364	C	AN	1/80
6	1000	**R4 SEGMENT - POE Identification**	M			1	180 If either R402 or R403 is present, then the other is required. R4 is required for each port to be identified.	O	5								
6-01	1000	Event Qualifier CHANGE NOTE: Element name changed per DM 1025. L - Port of Loading (Operational) *Use 'L' to denote POE Code.*	M	ID	1/1	1	180	O	5				R401	115	M	ID	1/1

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
6-02	1000	Mode Qualifier CHANGE NOTE: Element name changed per DM 1025. IA - International Air Transport Association (IATA) Location Qualifier *Use 'IA' to denote AerialPortCode* *CHANGE NOTE: Definition changed per DM 1025..* VS - Vessel Stowage Location *Use 'VS' to denote WaterPortCode* *CHANGE NOTE: Definition changed per DM 1025..*	M	ID	2/2	1	180	O	5				R402	309	C	ID	1/2
6-03	1000	Location Code Use three-position port code. See DTR Table M-4, M-5, or M-6. CHANGE NOTE: Element name changed per DM 1025. [T_2 21/23]	M	AN	3/3	1	180	O	5				R403	310	C	AN	1/30
7	1000	**R4 SEGMENT - POD Identification**	M			1	180	O	5								
							If either R402 or R403 is present, then the other is required. R4 is required for each port to be identified.										
7-01	1000	Event Qualifier CHANGE NOTE: Element name changed per DM 1025. D - Port of Discharge (Operational)	M	ID	1/1	1	180	O	5				R401	115	M	ID	1/1
7-02	1000	Mode Qualifier CHANGE NOTE: Replace code value 'ZZ' with 'IA' per DM 847. CHANGE NOTE: Element name changed per DM 1025. IA - International Air Transport Association (IATA) Location Qualifier *Use 'IA' to denote AerialPortCode* *CHANGE NOTE: Definition changed per DM 1025..* VS - Vessel Stowage Location *Use 'VS' to denote WaterPortCode* *CHANGE NOTE: Definition changed per DM 1025..*	M	ID	2/2	1	180	O	5				R402	309	C	ID	1/2
7-03	1000	Location Code Use three-position port code. See DTR Table M-4, M-5, or M-6. CHANGE NOTE: Element name changed per DM 1025. [T_2 24/26]	M	AN	3/3	1	180	O	5				R403	310	C	AN	1/30

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
8	2000	**BX SEGMENT - SEAVAN/RORO/463L Shipment Unit (T_2)** SEGMENT CONDITION: ONE AND ONLY ONE BX SEGMENT MUST BE USED FOR THE 858B TRANSACTION SET. Use this segment and all applicable DG 2000 entries for a TCMD for a TCMD for a SEAVAN/RORO/463L shipment unit. Populate 858 Table 1 following DG 2000 references if the first DIC in the TCMD is T_2. In addition, populate the first occurrence of HL loops following DG 2001, 2014, and 2015 references. Additional occurrences may be populated following DG 1001 and DG 3001.	C			1	030	M	1								
8-01	2000	TCMD Purpose Code for SEAVAN/RORO/463L Shipment Units Use in lieu of the transportation priority code when deleting or canceling the TCMD. See DTR Table M-4, M-5, or M-6. [T_2 53/53] 00 - Original 03 - Delete 04 - Change	M	ID	2/2	1	030	M	1				BX01	353	M	ID	2/2
8-02	2000	Mode/Method to POE Code Translate the one-position DTR mode/method code to a valid X12 code. This code value indicates the mode/method used to deliver the shipment unit to the POE. DTR allows this field to be left blank (for example, when the container is stuffed at the port). In those cases where data is not required for this element, enter code value 'ZZ' to satisfy X12 syntax requirements. See DTR Table M-4, M-5, or M-6. [T_2 27/27] See Section 6 for list of data values.	M	ID	1/2	1	030	M	1				BX02	91	M	ID	1/2
8-03	2000	Shipment Method of Payment Code Enter code value 'TP' to satisfy X12 syntax requirement. TP - Third Party Pay	M	ID	2/2	1	030	M	1				BX03	146	M	ID	2/2
8-04	2000	Shipment Unit TCN Enter the SEAVAN/RORO/463L TCN. [T_2 30/46]	M	AN	17/17	1	030	M	1				BX04	145	O	AN	1/30

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
8-14	2000	Type of TCMD (Doc ID) See DTR Table M-4. Based on the values from position 1 and 3 of the TCMD DIC, use one of the following code values: [T_2 1/3] R2 - Simulation of Consolidation of Vans, Trailers, or Pallets (U.S. Department of Defense) T2 - Consolidation of Vans, Trailers, or Pallets (U.S. Department of Defense)	M	ID	2/2	1	030	M	1				BX14	346	O	ID	2/2
9	2000	**N9 SEGMENT - Transportation Tracking Number (TTN)** SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable. CHANGE NOTE: Segment added per DM 887.	C			1	060	O	30								
								At least one of N902 or N903 is required. If N906 is present, then N905 is required.									
9-01	2000	Transportation Tracking Number (TTN) Qualifier 18 - Plan Number *Use '18' to denote Transportation Tracking Number (TTN).*	M	ID	2/2	1	060	O	30				N901	128	M	ID	2/3
9-02	2000	Transportation Tracking Number (TTN)	M	AN	17/17	1	060	O	30				N902	127	C	AN	1/30
10	2000	**C3 SEGMENT - Currency Code** SEGMENT CONDITION: This segment indicates the currency used for the TCMD. The segment is not required, and will not be used, when currency is in U. S. Dollars.	C			1	090	O	1								
								Currency is implied by the code for the country in whose currency the monetary amounts are specified.									
10-01	2000	Currency Code Data element C301 indicates a particular country's/region's currency used for all items on the TCMD. (For example, the code value for EURO dollars is 'EUR'.) Other appropriate currency code values from the ISO 4217 table may be found on the web at: http://www.iso.org/iso/en/prods-services/popstds/currencycodeslist.html. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	M	ID	3/3	1	090	O	1				C301	100	M	ID	3/3
								C301 is the billing currency.									
11	2000	**PER SEGMENT - Shipper (SH) Contact Information** SEGMENT CONDITION: Complete this segment if shipper primary point of contact information is available Segment added per DM 1010	C			1	120	O	3								
								If either PER03 or PER04 is present, then the other is required. If either PER05 or PER06 is present, then the other is required. If either PER07 or PER08 is present, then the other is required.									
11-01	2000	Shipper Contact Qualifier SH - Shipper Contact	M	ID	2/2	1	120	O	3				PER01	366	M	ID	2/2

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
11-02	2000	Shipper Contact Name	M	AN	1/60	1	120	O	3				PER02	93	O	AN	1/60
11-03	2000	Phone Number Qualifier TE - Telephone	C	ID	2/2	1	120	O	3				PER03	365	C	ID	2/2
11-04	2000	Shipper Phone Number	C	AN	10/14	1	120	O	3				PER04	364	C	AN	1/80
11-05	2000	E-mail Address Qualifier EM - Electronic Mail	C	ID	2/2	1	120	O	3				PER05	365	C	ID	2/2
11-06	2000	Shipper E-mail Address	C	AN	7/80	1	120	O	3				PER06	364	C	AN	1/80
12	2000	**R4 SEGMENT - POE Identification**	M			1	180	O	5								
							If either R402 or R403 is present, then the other is required. R4 is required for each port to be identified.										
12-01	2000	Event Qualifier CHANGE NOTE: Element name changed per DM 1025. L - Port of Loading (Operational) *Use 'L' to denote POE Code.*	M	Identifer	1/1	1	180	O	5				R401	115	M	ID	1/1
12-02	2000	Mode Qualifier CHANGE NOTE: Code value 'IA' replaced 'ZZ' per DM 838. CHANGE NOTE: Element name changed per DM 1025. IA - International Air Transport Association (IATA) Location Qualifier *Use 'IA' to denote AerialPortCode* *CHANGE NOTE: Definition changed per DM 1025..* VS - Vessel Stowage Location *Use 'VS' to denote WaterPortCode* *CHANGE NOTE: Definition changed per DM 1025..*	M	ID	2/2	1	180	O	5				R402	309	C	ID	1/2
12-03	2000	Location Code Use three-position port code. See DTR Table M-4, M-5, or M-6. CHANGE NOTE: Element name changed per DM 1025. [T_2 21/23]	M	AN	3/3	1	180	O	5				R403	310	C	AN	1/30
13	2000	**R4 SEGMENT - POD Identification**	M			1	180	O	5								
							If either R402 or R403 is present, then the other is required. R4 is required for each port to be identified.										

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
13-01	2000	Event Qualifier CHANGE NOTE: Element name changed per DM 1025. D - Port of Discharge (Operational)	M	ID	1/1	1	180	O	5				R401	115	M	ID	1/1
13-02	2000	Mode Qualifier CHANGE NOTE: Replace code value 'ZZ' with 'IA' per DM 847. CHANGE NOTE: Element name changed per DM 1025. IA - International Air Transport Association (IATA) Location Qualifier *Use 'IA' to denote AerialPortCode* *CHANGE NOTE: Definition changed per DM 1025..* VS - Vessel Stowage Location *Use 'VS' to denote WaterPortCode* *CHANGE NOTE: Definition changed per DM 1025..*	M	ID	2/2	1	180	O	5				R402	309	C	ID	1/2
13-03	2000	Location Code Use three-position port code. See DTR Table M-4, M-5, or M-6. CHANGE NOTE: Element name changed per DM 1025. [T_2 24/26]	M	AN	3/3	1	180	O	5				R403	310	C	AN	1/30
14	3000	**BX SEGMENT - Other Consolidations (T_3)** SEGMENT CONDITION: ONE AND ONLY ONE BX SEGMENT MUST BE USED FOR THE 858B TRANSACTION SET. Use this segment and all applicable DG 3000 entries for a consolidation of surface or air shipment units (other than a SEAVAN/RORO/463L shipment unit). Populate 858 Table 1 following DG 3000 references if the first DIC in the TCMD is a T_3 describing a consolidation of shipment units other than SEAVAN/RORO/463L. Populate the first HL loop occurrence following DG 3001 and DG 3014 references.	C			1	030	M	1								
14-01	3000	TCMD Purpose Code for Other Consolidations Use in lieu of the transportation priority code when deleting or canceling the TCMD. See DTR Table M-7. [T_3 53/53] 00 - Original 03 - Delete 04 - Change	M	ID	2/2	1	030	M	1				BX01	353	M	ID	2/2

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
14-02	3000	Mode/Method to POE Code Translate the one-position DTR mode/method code to a valid X12 code. This code value indicates the mode/method used to deliver the shipment unit to the POE. See DTR Table M-7. In cases where the shipment does not go to a POE, enter code value 'ZZ' to satisfy X12 syntax requirement. [T_3 27/27] See Section 6 for list of data values.	M	ID	1/2	1	030	M	1				BX02	91	M	ID	1/2
14-03	3000	Shipment Method of Payment Code Enter code value 'TP' to satisfy X12 syntax requirements. TP - Third Party Pay	M	ID	2/2	1	030	M	1				BX03	146	M	ID	2/2
14-04	3000	Shipment Unit TCN Enter the TCN for the shipment unit. This TCN also appears in the HL '3' loop (DG 3001) in the N9 segment (HL loop position 100). See DTR Table M-7. [T_3 30/46]	M	AN	17/17	1	030	M	1				BX04	145	O	AN	1/30
14-14	3000	Type of TCMD (Doc ID) See DTR Table M-7. Based on the values from position 1 and 3 of the TCMD DIC, use one of the following code values: [T_3 1/3] R3 - Simulation of Consolidation of Packaging Containers (U.S. Department of Defense) T3 - Consolidation of Packaging Containers (U.S. Department of Defense)	M	ID	2/2	1	030	M	1				BX14	346	O	ID	2/2
15	3000	**N9 SEGMENT - Transportation Tracking Number (TTN)** SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable. CHANGE NOTE: Segment added per DM 887.	C			1	060	O	30								
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
15-01	3000	Transportation Tracking Number (TTN) Qualifier 18 - Plan Number *Use '18' to denote Transportation Tracking Number (TTN).*	M	ID	2/2	1	060	O	30				N901	128	M	ID	2/3
15-02	3000	Transportation Tracking Number (TTN)	M	AN	17/17	1	060	O	30				N902	127	C	AN	1/30
16	3000	**C3 SEGMENT - Currency Code** SEGMENT CONDITION: This segment indicates the currency used for the TCMD. The segment is not required, and will not be used, when currency is in U. S. Dollars.	C			1	090	O	1								
							Currency is implied by the code for the country in whose currency the monetary amounts are specified.										

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
16-01	3000	Currency Code Data element C301 indicates a particular country's/region's currency used for all items on the TCMD. (For example, the code value for EURO dollars is 'EUR'.) Other appropriate currency code values from the ISO 4217 table may be found on the web at: http://www.iso.org/iso/en/prods-services/popstds/currencycodeslist.html. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	M	ID	3/3	1	090 C301 is the billing currency.	O	1				C301	100	M	ID	3/3
17	3000	**R4 SEGMENT - POE Identification**	M			1	180 If either R402 or R403 is present, then the other is required. R4 is required for each port to be identified.	O	5								
17-01	3000	Event Qualifier CHANGE NOTE: Element name changed per DM 1025. L - Port of Loading (Operational) *Use 'L' to denote POE Code.*	M	ID	1/1	1	180	O	5				R401	115	M	ID	1/1
17-02	3000	Mode Qualifier CHANGE NOTE: Code value 'IA' replaced 'ZZ' per DM 838. CHANGE NOTE: Element name changed per DM 1025. IA - International Air Transport Association (IATA) Location Qualifier *Use 'IA' to denote AerialPortCode* *CHANGE NOTE: Definition changed per DM 1025..* VS - Vessel Stowage Location *Use 'VS' to denote WaterPortCode* *CHANGE NOTE: Definition changed per DM 1025..*	M	ID	2/2	1	180	O	5				R402	309	C	ID	1/2
17-03	3000	Location Code Use three-position port code. See DTR Table M-7. CHANGE NOTE: Element name changed per DM 1025. [T_3 21/23]	M	AN	3/3	1	180	O	5				R403	310	C	AN	1/30
18	3000	**PER SEGMENT - Shipper (SH) Contact Information** SEGMENT CONDITION: Complete this segment if shipper primary point of contact information is available Segment added per DM 1010	C			1	120 If either PER03 or PER04 is present, then the other is required. If either PER05 or PER06 is present, then the other is required. If either PER07 or PER08 is present, then the other is required.	O	3								
18-01	3000	Shipper Contact Qualifier SH - Shipper Contact	M	ID	2/2	1	120	O	3				PER01	366	M	ID	2/2

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
18-02	3000	Shipper Contact Name	M	AN	1/60	1	120	O	3				PER02	93	O	AN	1/60
18-03	3000	Phone Number Qualifier TE - Telephone	C	ID	2/2	1	120	O	3				PER03	365	C	ID	2/2
18-04	3000	Shipper Phone Number	C	AN	10/14	1	120	O	3				PER04	364	C	AN	1/80
18-05	3000	E-mail Address Qualifier EM - Electronic Mail	C	ID	2/2	1	120	O	3				PER05	365	C	ID	2/2
18-06	3000	Shipper E-mail Address	C	AN	7/80	1	120	O	3				PER06	364	C	AN	1/80
19	3000	**R4 SEGMENT - POD Identification**	M			1	180	O	5								
							If either R402 or R403 is present, then the other is required. R4 is required for each port to be identified.										
19-01	3000	Event Code CHANGE NOTE: Element name changed per DM 1025. D - Port of Discharge (Operational)	M	ID	1/1	1	180	O	5				R401	115	M	ID	1/1
19-02	3000	Mode Qualifier CHANGE NOTE: Code value 'ZZ' replaced with 'IA' per DM 847. CHANGE NOTE: Element name changed per DM 1025. IA - International Air Transport Association (IATA) Location Qualifier *Use 'IA' to denote AerialPortCode* *CHANGE NOTE: Definition changed per DM 1025..* VS - Vessel Stowage Location *Use 'VS' to denote WaterPortCode* *CHANGE NOTE: Definition changed per DM 1025..*	M	ID	2/2	1	180	O	5				R402	309	C	ID	1/2
19-03	3000	Location Code Use three-position port code. See DTR Table M-7. CHANGE NOTE: Element name changed per DM 1025. [T_3 24/26]	M	AN	3/3	1	180	O	5				R403	310	C	AN	1/30

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
20	1001	**HL SEGMENT - Single Shipment Unit (T_0/1/4)** Repeat this loop for every single shipment unit TCN (T_0/1/4). This loop may be used in combination with HL loops describing consolidations and containers (HL03 code values = '3 and '2') (DG 3001 and DG 2001), and with HL loops describing TCN trailer data. References to T_0 data apply to T_1 and T_4 data throughout the description of this loop.	M			2	010	M	1	>1	1	HL					
							The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data. The HL segment defines a top-down/left-right ordered structure.									
20-01	1001	Hierarchical (Segment) ID Number Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)	M	AN	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
							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.									
20-02	1001	Hierarchical Parent ID Number ELEMENT CONDITION: For consolidations, use this element to link this DG 1001 loop with its parent DG 2001 or DG 3001 loop. Establish the link by copying the Hierarchical Segment ID Number (HL01) of the parent HL loop here.	C	AN	1/12	2	010	M	1	>1	1	HL	HL02	734	O	AN	1/12
							HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.										
20-03	1001	Hierarchical Level Code Use code value '1' to indicate that the HL loop contains information from DTR T_0/1/4 records for a shipment unit corresponding to DG 1001, along with related trailer data corresponding to DG 1014. 1 - Service/Billing Provider	M	ID	1/1	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
							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.									
21	1001	**N7 SEGMENT - Empty SEAVAN Details** SEGMENT CONDITION: Use for empty SEAVAN only.	C			2	020	O	1	>1	1	HL					
							If either N703 or N704 is present, then the other is required. If either N705 or N716 is present, then the other is required. If either N708 or N709 is present, then the other is required.									
21-01	1001	Empty SEAVAN Ownership Code For SEAVAN enter the ownership code which is the first four positions of the ISO container ID number. If none, enter the value 'XXXX' and list the clear text name of the SEAVAN owner in the DG 9013 NTE segment (HL loop position 140). SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association [T_9 9/12]	C	AN	1/4	2	020	O	1	>1	1	HL	N701	206	O	AN	1/4
							N701 is mandatory for rail transactions.										
21-02	1001	Empty SEAVAN Container Serial Number Enter the serial number marked on the container by the van owner. Do not include the van owner code (first 4 characters of the container ID number) or the check digit (11th character of the ID number). Include alphabetic characters but exclude special characters such as dashes, slashes, or other symbols. [T_9 56/63]	M	AN	1/10	2	020	O	1	>1	1	HL	N702	207	M	AN	1/10

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21-15	1001	Empty SEAVAN Actual Length For empty SEAVAN enter the actual van length in feet. Left-fill with zeros as required to satisfy X12-mandated field size of four numeric digits. [T_9 28/29]	C	N0	4/4	2	020	O	1	>1	1	HL	N715	567	O	N0	4/5
21-18	1001	Empty SEAVAN Container Number Check Digit As applicable, enter the check digit marked on the container. The check digit is a number separated from the container number by a dash, space, or slash. [T_9 65/65]	C	N0	1/1	2	020	O	1	>1	1	HL	N718	761	O	N0	1/1
22	1001	**REF SEGMENT - Empty Container Indicator** SEGMENT CONDITION: Use to identify an empty SEAVAN.	C			2	060	O	5	>1	1	HL					
							At least one of REF02 or REF03 is required.										
22-01	1001	Empty Container Indicator Qualifier BE - Business Activity *Use 'BE' to denote Empty Container Indicator.*	M	ID	2/2	2	060	O	5	>1	1	HL	REF01	128	M	ID	2/3
22-02	1001	Empty Container Indicator Enter value 'EMPTY' to indicate an empty container. [T_2 28/29]	M	AN	5/5	2	060	O	5	>1	1	HL	REF02	127	C	AN	1/30
23	1001	**REF SEGMENT - DoD Leased/Controlled Container Indicator** SEGMENT CONDITION: Use segment to indicate a DoD Leased/Controlled Container.	C			2	060	O	5	>1	1	HL					
							At least one of REF02 or REF03 is required.										
23-01	1001	DoD Leased/Controlled Container Indicator Qualifier OP - Original Purchase Order *Use 'OP' to denote DoD Leased/Controlled Container Indicator.*	M	ID	2/2	2	060	O	5	>1	1	HL	REF01	128	M	ID	2/3
23-02	1001	DoD Leased/Controlled Container Indicator Enter value 'LEASED' to denote DoD Leased/Controlled Container. [T_2 28/28]	M	AN	6/6	2	060	O	5	>1	1	HL	REF02	127	C	AN	1/30
24	1001	**REF SEGMENT - Type of Shipment Code**	M			2	060	O	5	>1	1	HL					
							At least one of REF02 or REF03 is required.										
24-01	1001	Type of Shipment Qualifier ZZ - Mutually Defined *Use 'ZZ' to denote Type of Shipment Information.*	M	ID	2/2	2	060	O	5	>1	1	HL	REF01	128	M	ID	2/3

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24-02	1001	Type of Shipment Code This is the second position of the TCMD Document Identifier code as defined by the 'Document Id 2nd Position Code' table found in USTranscom Reference Data Management (TRDM), mirrored at http://www.transcom.mil/dteb/files/refdata/V_DOC_ID_2_DOM.htm. Reference added per DM 1052. SOURCE: DTR, Part II, Appendix DD [T_0 2/2],[T_1 2/2]	M	AN	1/1	2	060	O	5	>1	1	HL	REF02	127	C	AN	1/30
25	1001	**REF SEGMENT - POE/POD Identification** SEGMENT CONDITION: Use this segment for water or air shipment of single shipment units to a port of Embarkation (POE). Do not use when shipping to a CCP.	C			2	060	O	5	>1	1	HL					
							At least one of REF02 or REF03 is required.										
25-01	1001	POE Qualifier Code 55 - Sequence Number	M	ID	2/2	2	060	O	5	>1	1	HL	REF01	128	M	ID	2/3
25-02	1001	POE Identifier Qualifier Enter value 'SEA' or value 'AIR' to denote Port Code Type.	M	AN	3/3	2	060	O	5	>1	1	HL	REF02	127	C	AN	1/30
25-03	1001	POE Identifier Use three-position port code. [T_0 21/23],[T_1 21/23]	M	AN	3/3	2	060	O	5	>1	1	HL	REF03	352	C	AN	1/80
25-04	1001	POD Composite Element Header COMPOSITE CONDITION: Use this element for water or air shipment of a single shipment unit when planned for movement through a designated POD for the Consignee. By placing code value '6W' (DE 128 unit qualifier) in the C04001, you are satisfying X12 syntax requirements for the composite data element. CHANGE NOTE: Composite element added per DM 680.	C	CE		2	060	O	5	>1	1	HL	REF04	C040	O	CE	
							If either C04003 or C04004 is present, then the other is required. If either C04005 or C04006 is present, then the other is required.										
25-04-01	1001	POD Qualifier Code By placing code value '6W' (DE 128 unit qualifier) in the C04001, you are satisfying X12 syntax requirements for the composite data element. 6W - Sequence Number *Use '6W' to denote Port of Debarkation.*	M	ID	2/2	2	060	O	5	>1	1	HL	C04001	128	M	ID	2/3
25-04-02	1001	POD Identifier Qualifier Use three-position port code.	M	AN	3/3	2	060	O	5	>1	1	HL	C04002	127	M	AN	1/30
26	1014	**REF SEGMENT - Van Point of Origin ZIP Code** SEGMENT CONDITION: Use for SEAVAN shipments.	C			2	060	O	5	>1	1	HL					
							At least one of REF02 or REF03 is required.										

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26-01	1014	Van Point of Origin ZIP Code Qualifier 4B - Shipment Origin Code *Use '4B' to denote Van Point of Origin ZIP Code.*	M	ID	2/2	2	060	O	5	>1	1	HL	REF01	128	M	ID	2/3
26-02	1014	Van Point of Origin ZIP Code Enter Van's point of origin five-digit ZIP code with optional hyphen and ZIP + 4.	M	AN	5/10	2	060	O	5	>1	1	HL	REF02	127	C	AN	1/30
27	1001	**N9 SEGMENT - Stop-Off Indicator** SEGMENT CONDITION: This segment is required when describing stop-offs for a shipment unit as part of a SEAVAN consolidation.	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
27-01	1001	Stop-Off Indicator Qualifier QN - Stop Sequence Number	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
27-02	1001	Stop-Off Indicator Enter the stop-off sequence number for the shipment. Sequence numbers range from 1-9. For cargo going to the final destination of the SEAVAN, enter value 'Z'. [T_4 63/63]	M	AN	1/1	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
28	1001	**N9 SEGMENT - Short Shelf Life Identification Code** SEGMENT CONDITION: Use for air shipments, when shelf life is applicable.	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
28-01	1001	Short Shelf Life Identification Code Qualifier CHANGE NOTE: Code value 'P5' changed to 'SHL' per DM 810. SHL - Shelf Life Indicator *Use 'SHL' to denote Short Shelf Life Code.*	M	ID	3/3	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
28-02	1001	Short Shelf Life Identification Code For short shelf-life items, enter one of the following values (Short Shelf Life Identification Codes): [T_0 15/15],[T_1 15/15] K - General Services Administration (GSA)-managed Sealants/Adhesives M - Medical Items X - All Other Short Shelf-life Items	M	AN	1/1	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
29	1001	**N9 SEGMENT - TCN**	M			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										

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29-01	1001	TCN Qualifier TG - Transportation Control Number (TCN)	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
29-02	1001	TCN Enter the TCN of the shipment unit. [T_4 30/46]	M	AN	17/17	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
30	1001	**N9 SEGMENT - Transportation Tracking Number (TTN)** SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable. CHANGE NOTE: Segment added per DM 887.	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
30-01	1001	Transportation Tracking Number (TTN) Qualifier 18 - Plan Number *Use '18' to denote Transportation Tracking Number (TTN).*	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
30-02	1001	Transportation Tracking Number (TTN)	M	AN	17/17	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
31	1001	**N9 SEGMENT - Project Code** SEGMENT CONDITION: Required when Project Code applies.	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
31-01	1001	Project Code Qualifier P4 - Project Code	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
31-02	1001	Project Code [T_0 57/59],[T_1 57/59]	M	AN	3/3	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
32	1001	**N9 SEGMENT - Air Dimension Code** SEGMENT CONDITION: Required only for air shipments.	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
32-01	1001	Air Dimension Code Qualifier ADM - Air Dimension Code	M	ID	3/3	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
32-02	1001	Air Dimension Code [T_0 20/20],[T_1 20/20]	M	AN	1/1	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30

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33	1001	**N9 SEGMENT - Defense Courier Service Station (DCSS) Collocation Indicator** SEGMENT CONDITION: Use this segment only for single shipments by Defense Courier Service.	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
33-01	1001	DCSS Collocation Indicator Qualifier COL - Collocation Indicator	M	ID	3/3	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
33-02	1001	DCSS Collocation Indicator Enter value '9' if DCS Station and APOE are co-located; otherwise enter value 'X'. [TC1 27/27]	M	AN	1/1	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
34	1001	**N9 SEGMENT - Estimated Transit Days to POE** SEGMENT CONDITION: This segment applies to single shipments to a POE not in a SEAVAN/RORO.	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
34-01	1001	Estimated Transit Days to POE Qualifier AR - Arrival Code *Use 'AR' to denote Estimated Transit Days to POE.*	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
34-02	1001	Estimated Transit Days to POE This figure expresses the number of days from expected time of departure from the shipper to expected time of arrival at the POE. Zero (0) is a valid entry. [T_0 63/63],[T_1 63/63]	M	AN	1/3	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
35	1001	**N9 SEGMENT - Water Type Cargo Code** SEGMENT CONDITION: This segment is used only for and required for water shipments.	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
35-01	1001	Water Type Cargo Code Qualifier PHC - Process Handling Code	M	ID	3/3	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
35-02	1001	Water Type Cargo Code This is paired with the Water Commodity Code that is mapped to the L5 Segment (HL loop position 130). [T_0 18/18],[T_1 18/18]	M	AN	1/1	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
36	1001	**N9 SEGMENT - Special Handling Code** Use this segment for shipments transiting through an Air or a Sea Port.	M			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										

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36-01	1001	Special Handling Code Qualifier AHC - Air Handling Code SU - Special Processing Code *Use 'SU' to denote Water Special Handling Code.*	M	ID	2/3	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
36-02	1001	Special Handling Code For water shipments, enter the one-position water special handling code from Appendix LL of the DTR Part II. This is paired with the water commodity code mapped to the L5 segment (HL loop position 130). For air shipments, enter the special handling code from Appendix Z of the DTR Part II. SOURCE: Defense Transportation Regulations [T_0 19/19],[T_1 19/19]	M	AN	1/1	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
37	1001	**H3 SEGMENT - Special Requirements Code** SEGMENT CONDITION: Use this segment when a Special Requirements Code applies. Do not enter a Julian date for the Special Requirements Code.	C			2	105	O	1	>1	1	HL					
							Only one of H301 or H302 may be present.										
37-02	1001	Special Requirements Code Code list includes supplysupply Special Requirements Codes '444', '555', '777', '999', 'Exx', 'Nxx', 'Sxx' and 'Xxx'. (As a measure of consistency between this 858B IC and the 856A IC enter triple-position codes 'Exx', 'Nxx', 'Sxx' and 'Xxx' where the first byte is literal and the 'xx' represent any valid alpha-numeric value that completes the code as defined by the Supply Community). Change per DM 1014 [T_0 54/56],[T_1 54/56]	M	AN	3/3	2	105	O	1	>1	1	HL	H302	153	C	AN	2/30
38	1001	**L5 SEGMENT - Air Commodity Code and Federal Supply Class** SEGMENT CONDITION: Required for and used only for air shipments.	C			2	130	O	10	>1	1	HL					
							If either L503 or L504 is present, then the other is required. If L507 is present, then L506 is required. If either L508 or L509 is present, then the other is required.										
38-03	1001	Air Commodity Code This is paired with the special handling code that is mapped to the N9 segment (HL loop position 100). [T_0 18/18],[T_1 18/18]	M	AN	1/1	2	130	O	10	>1	1	HL	L503	22	C	AN	1/30
38-04	1001	Air Commodity Code Qualifier Z - Mutually defined *Use 'Z' to denote Air Commodity Code.*	M	ID	1/1	2	130	O	10	>1	1	HL	L504	23	C	ID	1/1

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38-08	1001	Federal Supply Class Qualifier ELEMENT CONDITION: Use for air shipments if Federal Supply Class furnished by the application system. K - Federal Supply Classification	C	ID	1/1	2	130	O	10	>1	1	HL	L508	23	C	ID	1/1
38-09	1001	Federal Supply Class ELEMENT CONDITION: Use for air shipments if furnished by the application system. [T_0 5/8],[T_1 5/8]	C	AN	4/4	2	130	O	10	>1	1	HL	L509	22	C	AN	1/30
39	1001	**L5 SEGMENT - Water Commodity Code** SEGMENT CONDITION: Required for and used only for water shipments.	C			2	130	O	10	>1	1	HL					
							If either L503 or L504 is present, then the other is required. If L507 is present, then L506 is required. If either L508 or L509 is present, then the other is required.										
39-03	1001	Water Commodity Code [T_0 15/17],[T_1 15/17]	M	AN	3/3	2	130	O	10	>1	1	HL	L503	22	C	AN	1/30
39-04	1001	Water Commodity Code Qualifier I - Milstamp AITC or Water Commodity Code	M	ID	1/1	2	130	O	10	>1	1	HL	L504	23	C	ID	1/1
40	1001	**L5 SEGMENT - Non Palletized Mail Registry Number** SEGMENT CONDITION: Use when Non Palletized Mail Registry applies.	C			2	130	O	10	>1	1	HL					
							If either L503 or L504 is present, then the other is required. If L507 is present, then L506 is required. If either L508 or L509 is present, then the other is required.										
40-03	1001	Non Palletized Mail Registry Number [T_A 9/14],[T_D 9/14]	M	AN	1/30	2	130	O	10	>1	1	HL	L503	22	C	AN	1/30
40-04	1001	Non Palletized Mail Registry Number Qualifier D - Department of Defense Unique Codes *Use 'D' to denote Non Palletized Mail Registry Number.*	M	ID	1/1	2	130	O	10	>1	1	HL	L504	23	C	ID	1/1
41	1001	**Y7 SEGMENT - Transportation Priority Code** SEGMENT CONDITION: Use when priority code applies.	C			2	137	O	2	>1	1	HL					
							If either Y702 or Y703 is present, then the other is required.										
41-01	1001	Transportation Priority Code Enter the transportation priority of the shipment unit. Valid values are '1', '2', '3', or '4' [T_0 53/53],[T_1 53/53]	M	N0	1/1	2	137	O	2	>1	1	HL	Y701	467	O	N0	1/1
42	1001	**G62 SEGMENT - Date/Time (UTC) Shipped to POE** SEGMENT CONDITION: Required for air and water shipments to a POE -- not for shipments to a CCP or for shipments loaded at POE.	C			2	138	O	10	>1	1	HL					
							At least one of G6201 or G6203 is required. If either G6201 or G6202 is present, then the other is required. If either G6203 or G6204 is present, then the other is required.										

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42-01	1001	Date (UTC) Shipped to POE Qualifier SE - Date Shipped to Port of Embarkation (POE)	M	ID	2/2	2	138	O	10	>1	1	HL	G6201	432	C	ID	2/2
42-02	1001	Date (UTC) Shipped to POE For air shipments, the date appears in DTR TCMD T_0/1/2/4 record. This date is paired with the time in G6204. The DTR value is an ordinal number that represents a day of the year on a 365 day calendar. Convert the ordinal to a standard date format of CCYYMMDD. (Example: ordinal value 23 could equal days 23, 123, 223, or 323.) For water shipments, the date appears in Julian format in DTR TCMD T_0/1/2/4 record positions 60/62. That value should be converted to the CCYYMMDD format and carried here. [T_0 60/62],[T_1 60/62],[T_2 60/62],[T_4 60/62]	M	DT	8/8	2	138	O	10	>1	1	HL	G6202	373	C	DT	8/8
42-03	1001	Estimated Departure Time Qualifier ELEMENT CONDITION: Required for and used only for air shipments. D - Estimated Departure Time	C	ID	1/1	2	138	O	10	>1	1	HL	G6203	176	C	ID	1/2
42-04	1001	Time (UTC) Shipped to APOE Enter time in 24 hr time format (HHMM). ELEMENT CONDITION: Required for and used only for air shipments. [T_0 60/60],[T_1 60/60]	C	TM	4/4	2	138	O	10	>1	1	HL	G6204	337	C	TM	4/8
42-05	1001	UTC Date/Time Zone Indicator Use Universal Time Coordinate (UTC), also referred to as Greenwich Mean Time (GMT), for both G6202 and G6204. ELEMENT CONDITION: Required for and used only for air shipments. SOURCE: ISO 8601 available from American National Standards Institute UT - Universal Time Coordinate	C	ID	2/2	2	138	O	10	>1	1	HL	G6205	623	O	ID	2/2
43	1001	**G62 SEGMENT - Required Delivery Date (RDD) (UTC)** SEGMENT CONDITION: Use when RDD furnished by the application system is a Julian date.	C			2	138 At least one of G6201 or G6203 is required. If either G6201 or G6202 is present, then the other is required. If either G6203 or G6204 is present, then the other is required.	O	10	>1	1	HL					
43-01	1001	Required Delivery Date (RDD) Qualifier 54 - Deliver No Later Than Date *Use '54' to denote RDD.*	M	ID	2/2	2	138	O	10	>1	1	HL	G6201	432	C	ID	2/2

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43-02	1001	Required Delivery Date (RDD) (UTC) This is the calendar date, specified by the requisitioner, when material is required by the requisitioner. It is not a date assigned by the shipper. [T_0 54/56],[T_1 54/56]	M	DT	8/8	2	138	O	10	>1	1	HL	G6202	373	C	DT	8/8
44	1001	**NTE SEGMENT - Shipment Unit Adjustment Code** SEGMENT CONDITION: Use this segment only when BX01 contains code value '03' or '04'.	C			2	140	O	100	>1	1	HL					
							The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.										
44-01	1001	Shipment Unit Adjustment Code Qualifier ACN - Action Taken *Use 'ACN' to denote Shipment Unit Adjustment Code.*	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
44-02	1001	Shipment Unit Adjustment Code For BX01 code value '03' enter value 'Deletion'; For BX01 code value '04' enter value 'Correction', followed by the date in CCYYMMDD format.	M	AN	16/18	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
45	1001	**L0 SEGMENT - Piece, Weight, Cube and Type Pack**	M			2	145	O	1	20	2	L0					
							If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.										
45-04	1001	Total Weight of Shipment Unit Express total weight of shipment unit in whole pounds. Round up to a whole number. [T_0 72/76],[T_1 72/76]	M	R	1/10	2	145	O	1	20	2	L0	L004	81	C	R	1/10
45-05	1001	Weight Type Code G - Gross Weight	M	ID	1/1	2	145	O	1	20	2	L0	L005	187	C	ID	1/2
45-06	1001	Total Cube of Shipment Unit Express total cube of all pieces in the shipment unit in cubic feet. Round up to a whole number. [T_0 77/80],[T_1 77/80]	M	R	1/8	2	145	O	1	20	2	L0	L006	183	C	R	1/8
45-07	1001	Cube Qualifier E - Cubic Feet	M	ID	1/1	2	145	O	1	20	2	L0	L007	184	C	ID	1/1

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
45-08	1001	Number of Pieces for the Shipment Unit Express the number of separate pieces for the shipment unit that are not unitized. If the separate pieces are banded to a pallet, then the piece count is one (1). [T_0 68/71],[T_1 68/71]	M	N0	1/7	2	145	O	1	20	2	L0	L008 L008 is the number of handling units of the line item tendered to the carrier.	80	C	N0	1/7
45-09	1001	Type Pack Code Code for packaging form of the lading quantity. Select appropriate three-position Type Pack Code that describes the type pack for the Shipment Unit. PLL - [Migration Code] 463L pallet. [T_0 28/29],[T_1 28/29] See Section 6 for list of data values.	M	ID	3/3	2	145	O	1	20	2	L0	L009	211	C	ID	3/3
46	1001	**FA1 SEGMENT - Shipment Unit (T_0/1/4)** This segment begins the appropriation number loop for T_0/1/4 data (DG 1001). It calls for both FA1 and FA2 segments. Carriers do not need to receive appropriation data. Shipper systems that are capable of receiving, storing, and sending structured DoD appropriation numbers may use this loop to exchange those numbers with trading partners.	M			2	230	O	1	>1	2	FA1					
46-01	1001	Agency Qualifier Code Code identifying the agency assigning the code values. DF - Department of Defense (DoD) DN - Department of the Navy DX - United States Marine Corps DY - Department of Air Force DZ - Department of Army HS - Department of Health and Human Services *Use 'HS' to denote Department of Homeland Security/US Coast Guard (DHS/USCG).*	M	ID	2/2	2	230	O	1	>1	2	FA1	FA101 FA101 Identifies the organization controlling the assignment of financial accounting information.	559	M	ID	2/2
47	1001	**FA2 SEGMENT - Shipment Unit Appropriation Elements (T_0/1/4)**	M			2	240	M	>1	>1	2	FA1					
47-01	1001	Breakdown Structure Detail Code (T_0/1/4) See Section 6 for list of data values.	M	ID	2/2	2	240	M	>1	>1	2	FA1	FA201	1196	M	ID	2/2

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
47-02	1001	Financial Information Code (T_0/1/4) When FA201 contains code value '84', FA202 should be formatted as a dollar amount including a decimal character and two positions after the decimal, representing cents even if the value is a whole dollar amount. Enter value '0003' when FA201 code value is 'TA' (Transportation Account Code) and shipment is by courier. [T_0 64/67],[T_1 64/67]	M	AN	1/80	2	240	M	>1	>1	2	FA1	FA202	1195	M	AN	1/80
48	1001	**N1 SEGMENT - Consignor or Defense Courier Transfer Station Code** This is a mandatory segment for the following reasons: the consignor/consignee DoDAAC is needed for most TCMDs; the consignor CAGE is needed for MSLs when a vendor does not have a DoDAAC; and the TCMD TC1 record needs the DCSS data for record position 9-14 and 47-52.	M			2	290	O	1	4	2	N1					
							At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.										
48-01	1001	Consignor or Defense Courier Transfer Station Code Qualifier CI - Consignor *Use 'CI' to denote Consignor DoDAAC.* TSR - Consignor Courier Transfer Station XX - Business Area *Use 'XX' to denote Consignor CAGE.*	M	ID	2/3	2	290	O	1	4	2	N1	N101	98	M	ID	2/3
48-02	1001	Consignor or Defense Courier Transfer Station Code For code value 'XX' in N101, use this element for the Consignor CAGE code. For code value 'CI' in N101, use this element for Consignor DoDAAC. For code value 'TSR' in N101, use this element for Armed Forces Courier Service Shipment Units. Enter the DCSS code followed immediately by the APOE air terminal identifier code.	C	AN	1/60	2	290	O	1	4	2	N1	N102	93	C	AN	1/60
49	1001	**N1 SEGMENT - Consignee or Courier Transfer Station Code**	M			2	290	O	1	4	2	N1					
							At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.										
49-01	1001	Consignee or Courier Transfer Station Code Qualifier CN - Consignee IAD - Foreign Office *Use 'IAD' to denote Military Assistance Program Address Code (MAPAC).* TSE - Consignee Courier Transfer Station	M	ID	2/3	2	290	O	1	4	2	N1	N101	98	M	ID	2/3

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
49-02	1001	Consignee or Courier Transfer Station Code For the code values in N101, perform the following actions: 'CN' - Show ultimate consignee DoDAAC if available. If DoDAAC is not available, use Service indicator (e.g., A, F, N, etc.) followed by five zeros, as it appears in DTR, and furnish the clear text name and address of the consignee in the Line Detail HL '9' loop (DG 9013) using the NM1 and N3 segments (HL loop positions 260/270). `IAD' - Enter the MAPAC constructed IAW DTR Part II, Appendix E. 'TSE' - Use this element for Armed Forces Courier Service Shipment Units. Enter the DCSS code followed immediately by the APOD Air Terminal Identifier code.	C	AN	1/60	2	290	O	1	4	2	N1	N102	93	C	AN	1/60
50	2001	**HL SEGMENT - SEAVAN/RORO/463L Shipment Units (T_2)** LOOP CONDITION: This HL loop is required when passing header and trailer data associated with a SEAVAN/RORO/463L shipment unit. For capped 463L pallets this loop will be a child loop of the capped pallet loop only for the situation where the pallet and its load are documented as a shipment unit and the complete, single load is marked with an MSL.	C			2	010	M	1	>1	1	HL					
													The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data. The HL segment defines a top-down/left-right ordered structure.				
50-01	2001	Hierarchical (Segment) ID Number Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)	M	AN	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
													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.				
50-02	2001	Hierarchical Parent ID Number Enter parent loop ID only if this is a child loop for a 463L capped pallet (HL03=24) that is marked with an MSL as a consolidated shipment unit. Use this data element to link this DG 2001 loop as a nested child within a parent container (DG 2001) or a unitized load (DG 3001). Otherwise, do not use this data element.	C	AN	1/12	2	010	M	1	>1	1	HL	HL02	734	O	AN	1/12
													HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.				
50-03	2001	Hierarchical Level Code Use code value '2' to indicate that the HL loop contains information from DTR T_2 records for a shipment using SEAVAN/RORO/463L corresponding to DG 2001, along with related trailer data corresponding to DG 2014 and DG 2015. 2 - Billing Arrangement	M	ID	2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
													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.				
51	2001	**N7 SEGMENT - Container Information** SEGMENT CONDITION: Use this segment only for SEAVAN.	C			2	020	O	1	>1	1	HL					
													If either N703 or N704 is present, then the other is required. If either N705 or N716 is present, then the other is required. If either N708 or N709 is present, then the other is required.				
51-01	2001	SEAVAN Ownership Code For SEAVAN enter the ownership code which is the first four positions of the ISO container ID number. If none, enter the value 'XXXX' and list the clear text name of the SEAVAN owner in the DG 9013 NTE segment (HL loop position 140). SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association [T_2 9/12]	M	AN	4/4	2	020	O	1	>1	1	HL	N701	206	O	AN	1/4
													N701 is mandatory for rail transactions.				

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
51-02	2001	SEAVAN Container Serial Number Enter the serial number marked on the container by the van owner. Do not include the van owner code (first 4 characters of the container ID number) or the check digit (11th character of the ID number). Include alphabetic characters but exclude special characters such as dashes, slashes, or other symbols. [T_9 56/63]	M	AN	1/10	2	020	O	1	>1	1	HL	N702	207	M	AN	1/10
51-08	2001	Cubic Capacity of SEAVAN Enter using whole cubic feet. Use only for SEAVAN shipments. [T_2 64/67]	M	R	1/4	2	020	O	1	>1	1	HL	N708	183	C	R	1/8
51-09	2001	Cubic Capacity of SEAVAN Qualifier E - Cubic Feet	M	ID	1/1	2	020	O	1	>1	1	HL	N709	184	C	ID	1/1
51-15	2001	SEAVAN Length Enter the length in feet. [T_2 13/14]	M	N0	4/4	2	020	O	1	>1	1	HL	N715	567	O	N0	4/5
51-18	2001	SEAVAN Container Number Check Digit The check digit is a number separated from the container number by a dash, space, or slash. ELEMENT CONDITION: As applicable, enter the check digit marked on the container. [T_9 65/65]	C	N0	1/1	2	020	O	1	>1	1	HL	N718	761	O	N0	1/1
51-23	2001	Ocean Carrier Code For SEAVAN(s). SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc. [T_9 74/77]	M	ID	2/4	2	020	O	1	>1	1	HL	N723	140	O	ID	2/4
							N723 is the operator or carrier of the rights of the equipment.										
52	2001	**N5 SEGMENT - Length of SEAVAN Ordered** SEGMENT CONDITION: Do not use for empty vans.	C			2	050	O	1	>1	1	HL					
							If either N507 or N508 is present, then the other is required.										
52-01	2001	Length of SEAVAN Ordered Enter the length of the SEAVAN ordered, in feet. [T_9 28/29]	M	N0	4/4	2	050	O	1	>1	1	HL	N501	567	O	N0	4/5
53	2001	**REF SEGMENT - Type of Shipment Code**	M			2	060	O	5	>1	1	HL					
							At least one of REF02 or REF03 is required.										

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
53-01	2001	Type of Shipment Qualifier ZZ - Mutually Defined *Use 'ZZ' to denote Type of Shipment.*	M	ID	2/2	2	060	O	5	>1	1	HL	REF01	128	M	ID	2/3
53-02	2001	Type of Shipment Code This is the second position of the TCMD Document Identifier code as defined by the 'Document Id 2nd Position Code' table found in USTranscom Reference Data Management (TRDM), mirrored at http://www.transcom.mil/dteb/files/refdata/V_DOC_ID_2_DOM.htm. Reference added per DM 1052. SOURCE: DTR, Part II, Appendix DD. [T_2 2/2]	M	AN	1/1	2	060	O	5	>1	1	HL	REF02	127	C	AN	1/30
54	2001	**REF SEGMENT - DoD Leased/Controlled Container Indicator** SEGMENT CONDITION: Use segment to indicate a DoD Leased/Controlled Container.	C			2	060 At least one of REF02 or REF03 is required.	O	5	>1	1	HL					
54-01	2001	DoD Leased/Controlled Container Indicator Qualifier OP - Original Purchase Order *Use 'OP' to denote DoD Leased/Controlled Container Indicator.*	M	ID	2/2	2	060	O	5	>1	1	HL	REF01	128	M	ID	2/3
54-02	2001	DoD Leased/Controlled Container Indicator Enter value 'LEASED' to indicate a DoD Leased/Controlled Container. [T_2 28/28]	M	AN	6/6	2	060	O	5	>1	1	HL	REF02	127	C	AN	1/30
55	2001	**REF SEGMENT - Container Loading Information** SEGMENT CONDITION: Only used when the T_2 is for a container, not used for 463L pallet shipments Identifies the load configuration within the container and the activity loading it. Repeat the segment for each load situation (i.e., when the initial, partial load is done by one activity with loading completed by another activity).	C			2	060 At least one of REF02 or REF03 is required.	O	5	>1	1	HL					
55-01	2001	Container Loading Information Qualifier CHANGE NOTE: Replace code value 'BE' with 'IL' per DM 847. IL - Internal Order Number *Use 'IL' to denote Container Loading Information.*	M	ID	2/2	2	060	O	5	>1	1	HL	REF01	128	M	ID	2/3

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
55-02	2001	Container Loading Information Enter the following values as indicated: 'FULL' to denote a container loaded to its capacity 'NOT FULL - MIXED' to denote a container loaded to less than its capacity with military and commercial cargo commingled IAW the SDDC Container Agreement and Rate Guide. 'NOT FULL' to denote a container loaded to less than its capacity. CHANGE NOTE: Length attribute changed to 4/16 per DM 762. [T_2 28/29]	M	AN	4/16	2	060	O	5	>1	1	HL	REF02	127	C	AN	1/30
55-03	2001	Container Loading Activity Enter the applicable value as indicated from the following: 'CARRIER' to denote an Ocean Carrier 'CONTRACT CCP' to denote a Contract Shipment Consolidation facility. 'MIL SHIPPER' to denote a Military Shipping activity 'MIL TERMINAL' to denote a Military Terminal 'VENDOR' to denote a Commercial Vendor [T_2 28/29]	M	AN	6/12	2	060	O	5	>1	1	HL	REF03	352	C	AN	1/80
56	2015	**L7 SEGMENT - Stop-Off DoDAAC** SEGMENT CONDITION: This segment is required when describing stop-offs for a shipment unit as part of a SEAVAN consolidation. Repeat up to ten times for each Stop-Off DoDAAC.	C			2	090	O	10	>1	1	HL					
56-03	2015	Stop-Off DoDAAC Enter Stop-Off DoDAAC. [T_9 60/65],[T_9 74/79]	M	AN	6/6	2	090	O	10	>1	1	HL	L703	171	O	AN	1/7
56-04	2015	Stop-Off Number Enter the stop-off sequence number for the shipment. Sequence numbers range from 1-9. [T_9 54/59],[T_9 68/73]	M	AN	1/1	2	090	O	10	>1	1	HL	L704	172	O	AN	1/2
57	2001	**N9 SEGMENT - TCN**	M			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
57-01	2001	TCN Qualifier TG - Transportation Control Number (TCN)	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
57-02	2001	TCN Enter the TCN of the consolidated shipment unit. [T_2 30/46]	M	AN	17/17	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
58	2001	**N9 SEGMENT - Transportation Tracking Number (TTN)** SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable. CHANGE NOTE: Segment added per DM 887.	C			2	100 At least one of N902 or N903 is required. If N906 is present, then N905 is required.	O	10	>1	1	HL					
58-01	2001	Transportation Tracking Number (TTN) Qualifier 18 - Plan Number *Use '18' to denote Transportation Tracking Number (TTN).*	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
58-02	2001	Transportation Tracking Number (TTN)	M	AN	17/17	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
59	2001	**N9 SEGMENT - Project Code** SEGMENT CONDITION: Use for 463L pallets only with a single Project Code.	C			2	100 At least one of N902 or N903 is required. If N906 is present, then N905 is required.	O	10	>1	1	HL					
59-01	2001	Project Code Qualifier P4 - Project Code	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
59-02	2001	Project Code [T_2 57/59]	M	AN	3/3	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
60	2001	**N9 SEGMENT - Consignee Distribution (CDIST) Code** SEGMENT CONDITION: This segment is required when describing the number of consignees for a single stop or the number of stop-offs for shipment units as part of a SEAVAN/RORO consolidation.	C			2	100 At least one of N902 or N903 is required. If N906 is present, then N905 is required.	O	10	>1	1	HL					
60-01	2001	Consignee Distribution (CDIST) Code Qualifier NOTE: Code changed from 'QN' to '6A' per DM 1021. 6A - Consignee Reference Number *Use '6A' to denote Consignee Distribution (CDIST) Code.*	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
60-02	2001	Consignee Distribution (CDIST) Code For ROROs, enter 'S' for single consignee and 'M' for multiple consignees. For SEAVAN shipments, use the following values: S - Single consignee at a single destination. M - Multiple consignees via a break bulk point for distribution to the consignees. C - Multiple consignees via a centralized receiving point for distribution to the ultimate consignees. 1-9 - Multiple consignees via stop offs. Enter the number of stop offs, excluding the final consignee. [T_2 57/57]	M	AN	1/1	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30

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61	2001	**N9 SEGMENT - Estimated Transit Days to POE** SEGMENT CONDITION: This segment applies to SEAVAN/RORO/463L shipments to a POE.	C			2	100 At least one of N902 or N903 is required. If N906 is present, then N905 is required.	O	10	>1	1	HL					
61-01	2001	Estimated Transit Days to POE Qualifier AR - Arrival Code *Use 'AR' to denote Estimated Transit Days to POE.*	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
61-02	2001	Estimated Transit Days to POE This figure expresses the number of days from expected time of departure from the shipper to expected time of arrival at the POE. Zero (0) is a valid entry. [T_2 63/63]	M	AN	1/3	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
62	2001	**N9 SEGMENT - Water Type Cargo Code** SEGMENT CONDITION: This segment is used only for and required for water shipments.	C			2	100 At least one of N902 or N903 is required. If N906 is present, then N905 is required.	O	10	>1	1	HL					
62-01	2001	Water Type Cargo Code Qualifier PHC - Process Handling Code *Use 'PHC' to denote Water Type Cargo Code.*	M	ID	3/3	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
62-02	2001	Water Type Cargo Code This is paired with the water commodity code that is mapped to the L5 Segment (HL loop position 130). [T_2 18/18]	M	AN	1/1	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
63	2001	**N9 SEGMENT - Special Handling Code** SEGMENT CONDITION: Use this segment for shipments, except 463L pallet, transiting through an Air or Sea Port.	C			2	100 At least one of N902 or N903 is required. If N906 is present, then N905 is required.	O	10	>1	1	HL					
63-01	2001	Special Handling Code Qualifier AHC - Air Handling Code SU - Special Processing Code *Use 'SU' to denote Water Special Handling Code.*	M	ID	2/3	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
63-02	2001	Special Handling Code For water shipments, enter the one-position Special Handling Code from Appendix LL of the DTR Part II. This is paired with the water commodity code mapped to the L5 segment (HL loop position 130). For air shipments, enter the special handling code from Appendix Z of the DTR Part II. SOURCE: DTR Part II [T_2 19/19]	M	AN	1/1	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
64	2001	**N9 SEGMENT - Air Dimension Code** SEGMENT CONDITION: Required for air shipments.	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
64-01	2001	Air Dimension Code Qualifier ADM - Air Dimension Code	M	ID	3/3	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
64-02	2001	Air Dimension Code [T_2 20/20]	M	AN	1/1	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
65	2001	**N9 SEGMENT - Short Shelf Life Identification Code** SEGMENT CONDITION: Use for RORO shipment by air when shelf life is applicable.	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
65-01	2001	Short Shelf Life Identification Code Qualifier SHL - Shelf Life Indicator	M	ID	3/3	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
65-02	2001	Short Shelf Life Identification Code CHANGE NOTE: Value 'Z' changed to 'X' per DM 810. For short shelf-life items, enter one of the following values to denote the DoD definition indicated: [T_2 15/15] K - GSA-managed sealants/adhesives M - Medical Items X - Any Other Commodity with Limited Shelf Life	M	AN	1/1	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
66	2001	**H3 SEGMENT - Special Requirements Code** SEGMENT CONDITION: Use this segment when a Special Requirements Code applies. Do not enter a Julian date for the Special Requirements Code.	C			2	105	O	1	>1	1	HL					
							Only one of H301 or H302 may be present.										

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
66-02	2001	Special Requirements Code Code list includessupply Special Requirements Codes '444', '555', '777', '999', 'Exx', 'Nxx', 'Sxx' and 'Xxx'. (As a measure of consistency between this 858B IC and the 856A IC enter triple-position codes 'Exx', 'Nxx', 'Sxx' and 'Xxx' where the first byte is literal and the 'xx' represent any valid alpha-numeric value that completes the code as defined by the Supply Community). Change per DM 1014 [T_2 54/56]	M	AN	3/3	2	105	O	1	>1	1	HL	H302	153	C	AN	2/30
67	2001	**L5 SEGMENT - Air Commodity Code** SEGMENT CONDITION: Required for and used only for air shipments.	C			2	130	O	10	>1	1	HL					
							If either L503 or L504 is present, then the other is required. If L507 is present, then L506 is required. If either L508 or L509 is present, then the other is required.										
67-03	2001	Air Commodity Code This is paired with the special handling code that is mapped to the N9 segment (HL loop position 100). [T_2 18/18]	M	AN	1/1	2	130	O	10	>1	1	HL	L503	22	C	AN	1/30
67-04	2001	Air Commodity Code Qualifier Z - Mutually defined *Use 'Z' to denote Water Special Handling Code.*	M	ID	1/1	2	130	O	10	>1	1	HL	L504	23	C	ID	1/1
68	2001	**L5 SEGMENT - Water Commodity Code** SEGMENT CONDITION: Use for Water Commodity Codes.	C			2	130	O	10	>1	1	HL					
							If either L503 or L504 is present, then the other is required. If L507 is present, then L506 is required. If either L508 or L509 is present, then the other is required.										
68-03	2001	Water Commodity Code This is paired with the water Type Cargo Code and the Special Handling Code that are mapped to the N9 segments (HL loop position 100). [T_2 15/17]	M	AN	3/3	2	130	O	10	>1	1	HL	L503	22	C	AN	1/30
68-04	2001	Water Commodity Code Qualifier I - Milstamp AITC or Water Commodity Code *Use 'I' to denote Water Commodity Code.*	M	ID	1/1	2	130	O	10	>1	1	HL	L504	23	C	ID	1/1
69	2014	**L5 SEGMENT - Reefer Temperature** SEGMENT CONDITION: Use this element when reefer cargo must be maintained within a specified temperature range.	C			2	130	O	10	>1	1	HL					
							If either L503 or L504 is present, then the other is required. If L507 is present, then L506 is required. If either L508 or L509 is present, then the other is required.										

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
69-03	2014	Reefer Temperature For reefer vans, enter the temperature or temperature range required to properly maintain the cargo, e.g., 34 degrees is shown as 34, 34 to 41degrees is shown as 34-41. CHANGE NOTE: Use L503 (rather than L502) for Reefer Temperature per DM 763. [T_9 15/19]	M	AN	2/7	2	130	O	10	>1	1	HL	L503	22	C	AN	1/30
69-04	2014	Reefer Temperature Qualifier C - Canadian Freight Classification *Use 'C' to denote Reefer Temperature measured in Centigrade.* F - National Stock Number *Use 'F' to denote Fahrenheit.*	M	ID	1/1	2	130	O	10	>1	1	HL	L504	23	C	ID	1/1
70	2001	**Y7 SEGMENT - Transportation Priority Code** SEGMENT CONDITION: Use when priority code applies.	C			2	137	O	2	>1	1	HL					
							If either Y702 or Y703 is present, then the other is required.										
70-01	2001	Transportation Priority Code Enter the highest transportation priority contained in the loaded SEAVAN/RORO/463L. [T_2 53/53]	M	N0	1/1	2	137	O	2	>1	1	HL	Y701	467	O	N0	1/1
71	2001	**G62 SEGMENT - Date/Time (UTC) Shipped to POE** SEGMENT CONDITION: Required for air and water shipment to a POE - not for shipment to a CCP or for shipment loaded at POE.	C			2	138	O	10	>1	1	HL					
							At least one of G6201 or G6203 is required. If either G6201 or G6202 is present, then the other is required. If either G6203 or G6204 is present, then the other is required.										
71-01	2001	Date (UTC) Shipped to POE Qualifier Use code value '17' when DLA-sourced 463L air pallet processing status code values 'C' and 'T' (NTE02 - DG 9801). CHANGE NOTE: Code value '17' and user note added per DM 807. 17 - Estimated Delivery Date *Use '17' to denote Estimated Date/Time Shipped to POE.* SE - Date Shipped to Port of Embarkation (POE)	M	ID	2/2	2	138	O	10	>1	1	HL	G6201	432	C	ID	2/2
71-02	2001	Date (UTC) Shipped to POE For air shipments, the date appears in DTR TCMD T_2 record positions 61/62. This date is paired with the time in G6204. The DTR value is an ordinal number that represents a day of the year on a 365 day calendar. Convert the ordinal to a standard date format of CCYYMMDD. (Example: ordinal value 23 could equal days 23, 123, 223, or 323). For water shipments, the date appears in Julian format in DTR TCMD T_2 record positions 60/62. [T_2 60/62]	M	DT	8/8	2	138	O	10	>1	1	HL	G6202	373	C	DT	8/8

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
71-03	2001	Time (UTC) Shipped to APOE Qualifier ELEMENT CONDITION: Required for and used only for air shipments. D - Estimated Departure Time	C	ID	1/1	2	138	O	10	>1	1	HL	G6203	176	C	ID	1/2
71-04	2001	Time (UTC) Shipped to APOE Enter time in 24 hr time format (HHMM). ELEMENT CONDITION: Required for and used only for air shipments. [T_2 60/60]	C	TM	4/4	2	138	O	10	>1	1	HL	G6204	337	C	TM	4/8
71-05	2001	UTC Date/Time Zone Indicator Universal Time Coordinate (UTC), also referred to as Greenwich Mean Time (GMT), for both G6202 and G6204. ELEMENT CONDITION: Required for and used only for air shipments. SOURCE: ISO 8601 available from American National Standards Institute UT - Universal Time Coordinate	C	ID	2/2	2	138	O	10	>1	1	HL	G6205	623	O	ID	2/2
72	2001	**G62 SEGMENT - Contractual RDD (UTC)** SEGMENT CONDITION: Use when a commercial ocean booking RDD is provided. Required Delivery Date (RDD) should also be provided in the G62 Segment (Required Delivery Date) if available. CHANGE NOTE: Segment added per DM 839.	C			2	138 At least one of G6201 or G6203 is required. If either G6201 or G6202 is present, then the other is required. If either G6203 or G6204 is present, then the other is required.	O	10	>1	1	HL					
72-01	2001	Contractual RDD Qualifier BD - Required By *Use 'BD' to denote Contractual RDD.*	M	ID	2/2	2	138	O	10	>1	1	HL	G6201	432	C	ID	2/2
72-02	2001	Contractual RDD Enter the contractual booking RDD which was accepted by the ocean carrier during the booking process as YYYYMMDD. Specify date in Coordinated Universal Time (UTC). [T_2 54/56]	M	DT	8/8	2	138	O	10	>1	1	HL	G6202	373	C	DT	8/8
73	2001	**G62 SEGMENT - Required Delivery Date (RDD) (UTC)** SEGMENT CONDITION: Use when RDD furnished by the application system as Julian date.	C			2	138 At least one of G6201 or G6203 is required. If either G6201 or G6202 is present, then the other is required. If either G6203 or G6204 is present, then the other is required.	O	10	>1	1	HL					
73-01	2001	Required Delivery Date (RDD) Qualifier 54 - Deliver No Later Than Date	M	ID	2/2	2	138	O	10	>1	1	HL	G6201	432	C	ID	2/2

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
73-02	2001	Required Delivery Date (RDD) (UTC) If DTR TCMD T_2 record positions 54/56 are other than 1 to 366, then map to H302 (HL loop position 105) as an expedited handling code. [T_2 54/56]	M	DT	8/8	2	138	O	10	>1	1	HL	G6202	373	C	DT	8/8
74	2001	**NTE SEGMENT - Shipment Unit Adjustment Code** SEGMENT CONDITION: Use this segment only when BX01 contains code value '03' or '04'.	C			2	140	O	100	>1	1	HL					
							The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.										
74-01	2001	Shipment Unit Adjustment Code Qualifier ACN - Action Taken *Use 'ACN' to denote Shipment Unit Adjustment Code.*	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
74-02	2001	Shipment Unit Adjustment Code Enter the following values that correspond to code value contained in BX01: For BX01 code value '03' enter value 'Deletion' For BX01 code value '04' enter value 'Correction', followed by the date in CCYYMMDD format	M	AN	16/18	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
75	2001	**L0 SEGMENT - SEAVAN/RORO/463L Piece, Weight, Cube, and Type Pack**	M			2	145	O	1	20	2	L0					
							If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.										
75-04	2001	Weight of SEAVAN/RORO/463L For SEAVAN, enter the weight of the contents. For ROROs, enter the weight of the RORO plus its contents. For 463L enter weight of pallet plus its contents. [T_2 72/76]	M	R	1/10	2	145	O	1	20	2	L0	L004	81	C	R	1/10
75-05	2001	Weight of SEAVAN/RORO/463L Qualifier G - Gross Weight *Use 'G' to denote Weight for RORO.* N - Actual Net Weight	M	ID	1/1	2	145	O	1	20	2	L0	L005	187	C	ID	1/2

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
75-06	2001	Cube of SEAVAN/RORO/463L Enter the cube of the contents for a SEAVAN shipment. For 463L enter the total cube of the 463L pallet plus its contents. Enter the total cube of the RORO (total cube is based on length, width, and height of RORO, including any exposed cargo). All cube entries should be rounded to whole numbers. CHANGE NOTE: Reference to whole numbers added per DM 810. [T_2 77/80]	M	R	1/8	2	145	O	1	20	2	L0	L006	183	C	R	1/8
75-07	2001	Cube of SEAVAN/RORO/463L Qualifier E - Cubic Feet	M	ID	1/1	2	145	O	1	20	2	L0	L007	184	C	ID	1/1
75-08	2001	Total Number of Pieces For SEAVAN enter actual number of shipment unit pieces loaded in the SEAVAN. For RORO or 463L always enter the value one (1). [T_2 68/71]	M	N0	1/7	2	145	O	1	20	2	L0	L008	80	C	N0	1/7
							L008 is the number of handling units of the line item tendered to the carrier.										
75-09	2001	Type Pack Code Code for packaging form of the lading quantity. [T_2 28/29] PLL - [Migration Code] 463L pallet TBN - Tote Bin *Use 'TBN' to denote SEAVAN.* WHE - On Own Wheel *Use 'WHE' to denote RORO.*	M	ID	3/3	2	145	O	1	20	2	L0	L009	211	C	ID	3/3
76	2001	**MEA SEGMENT - Total Number of Shipment Units** SEGMENT CONDITION: Not used for T_2 records for 463L pallets.	C			2	160	O	10	20	2	L0					
							At least one of MEA03, MEA05, MEA06, or MEA08 is required. If MEA05 is present, then MEA04 is required. If MEA06 is present, then MEA04 is required. If MEA07 is present, then at least one of MEA03, MEA05, or MEA06 is required. Only one of MEA08 or MEA03 may be present.										
76-01	2001	Total Number of Shipment Units Count Qualifier CT - Counts	M	ID	2/2	2	160	O	10	20	2	L0	MEA01	737	O	ID	2/2
76-02	2001	Total Number of Shipment Units Qualifier SU - Shipped Units	M	ID	2/2	2	160	O	10	20	2	L0	MEA02	738	O	ID	1/3

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
76-03	2001	Total Number of Shipment Units Enter the total number of shipment units loaded in the SEAVAN or RORO. [T_2 58/59]	M	R	1/4	2	160	O	10	20	2	L0	MEA03	739	C	R	1/20
77	2001	**FA1 SEGMENT - 463L (T_2)** SEGMENT CONDITION: Use this segment for the Transportation Account Code (TAC).This segment begins the appropriation number loop for T_2 data (DG 2001). It calls for both FA1 and FA2 segments. Carriers do not need to receive appropriation data. Shipper systems that are capable of receiving, storing, and sending structured DoD appropriation numbers may use this loop to exchange those numbers with trading partners.	C			2	230	O	1	>1	2	FA1					
77-01	2001	Agency Qualifier Code Code identifying the agency assigning the code values. DF - Department of Defense (DoD) DN - Department of the Navy DX - United States Marine Corps DY - Department of Air Force DZ - Department of Army HS - Department of Health and Human Services *Use 'HS' to denote Department of Homeland Security/US Coast Guard (DHS/USCG).*	M	ID	2/2	2	230 FA101 Identifies the organization controlling the assignment of financial accounting information.	O	1	>1	2	FA1	FA101	559	M	ID	2/2
78	2001	**FA2 SEGMENT - 463L Appropriation Elements (T_2)** Required when FA1 segment is used.	M			2	240	M	>1	>1	2	FA1					
78-01	2001	Breakdown Structure Detail Code (T_2) See Section 6 for list of data values.	M	ID	2/2	2	240	M	>1	>1	2	FA1	FA201	1196	M	ID	2/2
78-02	2001	Financial Information Code (T_2) When FA201 code value is '84', FA202 should be formatted as a dollar amount including a decimal character and two positions after the decimal, representing cents even if the value is a whole dollar amount. [T_2 64/67]	M	AN	1/80	2	240	M	>1	>1	2	FA1	FA202	1195	M	AN	1/80
79	2001	**N1 SEGMENT - Loading Activity DoDAAC** SEGMENT CONDITION: This segment identifies the activity loading the shipment units and/or consolidation containers into a RORO or onto a 463L pallet.	C			2	290 At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.	O	1	4	2	N1					
79-01	2001	Loading Activity Qualifier LP - Loading Party	M	ID	2/2	2	290	O	1	4	2	N1	N101	98	M	ID	2/3

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
79-03	2001	Loading Activity DoDAAC Qualifier 10 - Department of Defense Activity Address Code (DODAAC)	M	ID	2/2	2	290	O	1	4	2	N1	N103	66	C	ID	1/2
79-04	2001	Loading Activity DoDAAC Enter the DoDAAC of the Loading Activity. [T_2 9/14]	M	AN	6/6	2	290	O	1	4	2	N1	N104	67	C	AN	2/80
							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.										
80	2001	**N1 SEGMENT - Consignee of SEAVAN/RORO/463L** This segment identifies the activity receiving the SEAVAN/RORO/463L.	M			2	290	O	1	4	2	N1					
							At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.										
80-01	2001	Consignee of SEAVAN/RORO/463L Qualifier CE - Consignee (To receive large parcels and freight)	M	ID	2/2	2	290	O	1	4	2	N1	N101	98	M	ID	2/3
80-03	2001	Consignee of SEAVAN/RORO/463L DoDAAC Qualifier 10 - Department of Defense Activity Address Code (DODAAC)	M	ID	2/2	2	290	O	1	4	2	N1	N103	66	C	ID	1/2
80-04	2001	Consignee of SEAVAN/RORO/463L DoDAAC Enter the DoDAAC for the final consignee. For stop-offs, use N9/N1 segments (HL loop positions 100/290). [T_2 47/52]	M	AN	6/6	2	290	O	1	4	2	N1	N104	67	C	AN	2/80
							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.										
81	2014	**N1 SEGMENT - Van Point of Origin** SEGMENT CONDITION: Use for SEAVAN shipments.	C			2	290	O	1	4	2	N1					
							At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.										
81-01	2014	Van Point of Origin Qualifier OT - Origin Terminal	M	ID	2/2	2	290	O	1	4	2	N1	N101	98	M	ID	2/3
81-03	2014	Van Point of Origin ZIP Code Qualifier 16 - ZIP Code	M	ID	2/2	2	290	O	1	4	2	N1	N103	66	C	ID	1/2
81-04	2014	Van Point of Origin ZIP Code Van's Point of Origin five-digit ZIP code with optional hyphen and ZIP + 4. [T_9 10/14]	M	AN	5/10	2	290	O	1	4	2	N1	N104	67	C	AN	2/80
							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.										
82	3001	**HL SEGMENT - Other Consolidations (Not SEAVAN/RORO/463L) (T_3)** LOOP CONDITION: This HL loop is required when passing header and trailer data associated with a multi-shipment unit consolidation other than a SEAVAN/RORO/463L.	C			2	010	M	1	>1	1	HL					
							The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data. The HL segment defines a top-down/left-right ordered structure.										

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
82-01	3001	Hierarchical (Segment) ID Number Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)	M	AN	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
							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.										
82-02	3001	Hierarchical Parent ID Number ELEMENT CONDITION: Enter parent loop ID only if this is the child of larger SEAVAN/RORO/463L consolidation (HL03=2) or is the child of a nested unitized load (HL03=3). Otherwise, do not use this data element.	C	AN	1/12	2	010	M	1	>1	1	HL	HL02	734	O	AN	1/12
							HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.										
82-03	3001	Hierarchical Level Code Use code value '3' to indicate that the HL loop contains information from DTR T_3 records for a multi-shipment unit consolidation corresponding to DG 3001, along with related trailer data corresponding to DG 3014. 3 - Sub-Billing Arrangement	M	ID	1/1	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
							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.										
83	3014	**N7 SEGMENT - Other Consolidation Identification Number** SEGMENT CONDITION: Use this segment for other consolidation shipments.	C			2	020	O	1	>1	1	HL					
							If either N703 or N704 is present, then the other is required. If either N705 or N716 is present, then the other is required. If either N708 or N709 is present, then the other is required.										
83-02	3014	Other Consolidation Identification Number Enter the identification number marked on the consolidation. [T_9 56/65]	M	AN	1/10	2	020	O	1	>1	1	HL	N702	207	M	AN	1/10
84	3001	**REF SEGMENT - Type of Shipment Code**	M			2	060	O	5	>1	1	HL					
							At least one of REF02 or REF03 is required.										
84-01	3001	Type of Shipment Code Qualifier ZZ - Mutually Defined *Use 'ZZ' to denote Type of Shipment Information.*	M	ID	2/2	2	060	O	5	>1	1	HL	REF01	128	M	ID	2/3
84-02	3001	Type of Shipment Code This is the second position of the TCMD Document Identifier code as defined by the 'Document Id 2nd Position Code' table found in USTranscom Reference Data Management (TRDM), mirrored at http://www.transcom.mil/dteb/files/refdata/V_DOC_ID_2_DOM.htm. Reference added per DM 1052. SOURCE: DTR, Part II, Appendix DD [T_3 2/2]	M	AN	1/1	2	060	O	5	>1	1	HL	REF02	127	C	AN	1/30
85	3001	**N9 SEGMENT - Stop-Off Indicator** SEGMENT CONDITION: This segment is required when describing stop-offs for a consolidated shipment loaded into a SEAVAN.	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
85-01	3001	Stop-Off Indicator Qualifier QN - Stop Sequence Number	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
85-02	3001	Stop-Off Indicator Enter the stop-off sequence number for the SEAVAN, where the consolidated shipment should be delivered. Sequence numbers range from 1-9. For cargo going to the final destination of the SEAVAN, enter value 'Z'. [T_3 63/63]	M	AN	1/1	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
86	3001	**N9 SEGMENT - Estimated Transit Days to POE** SEGMENT CONDITION: This segment applies to consolidations not in a SEAVAN.	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
86-01	3001	Estimated Transit Days to POE Qualifier AR - Arrival Code *Use 'AR' to denote Estimated Transit Days to POE.*	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
86-02	3001	Estimated Transit Days to POE This figure expresses the number of days from expected time of departure from the shipper to expected time of arrival at the POE (estimated days in transit). [T_3 63/63]	M	AN	1/3	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
87	3001	**N9 SEGMENT - TCN**	M			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
87-01	3001	TCN Qualifier TG - Transportation Control Number (TCN)	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
87-02	3001	TCN Enter the TCN of the consolidated shipment unit. [T_3 30/46]	M	AN	17/17	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
88	3001	**N9 SEGMENT - Transportation Tracking Number (TTN)** SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable. CHANGE NOTE: Segment added per DM 887.	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
88-01	3001	Transportation Tracking Number (TTN) Qualifier 18 - Plan Number *Use '18' to denote Transportation Tracking Number (TTN).*	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
88-02	3001	Transportation Tracking Number (TTN)	M	AN	17/17	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
89	3001	**N9 SEGMENT - Project Code** SEGMENT CONDITION: Required when Project Code applies.	C			2	100 At least one of N902 or N903 is required. If N906 is present, then N905 is required.	O	10	>1	1	HL					
89-01	3001	Project Code Qualifier P4 - Project Code	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
89-02	3001	Project Code [T_3 57/59]	M	AN	3/3	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
90	3001	**N9 SEGMENT - Short Shelf Life Identification Code** SEGMENT CONDITION: Use for air shipments, when shelf life is applicable.	C			2	100 At least one of N902 or N903 is required. If N906 is present, then N905 is required.	O	10	>1	1	HL					
90-01	3001	Short Shelf Life Identification Code Qualifier SHL - Shelf Life Indicator *Use 'SHL' to denote Short Shelf Life Identification Code.*	M	ID	3/3	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
90-02	3001	Short Shelf Life Identification Code For short shelf-life items, enter one of the following values (Short Shelf Life Identification Codes): . CHANGE NOTE: Value 'X' replaced value 'Z' per DM 838. [T_3 15/15] K - General Services Administration (GSA)-managed sealants/adhesives M - Medical Items X - All Other Short Shelf-life Items	M	AN	1/1	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
91	3001	**N9 SEGMENT - Water Type Cargo Code** SEGMENT CONDITION: This segment is required for water shipments.	C			2	100 At least one of N902 or N903 is required. If N906 is present, then N905 is required.	O	10	>1	1	HL					
91-01	3001	Water Type Cargo Code Qualifier PHC - Process Handling Code *Use 'PHC' to denote Water Type Cargo Code.*	M	ID	3/3	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
91-02	3001	Water Type Cargo Code This is paired with the water commodity code that is mapped to the L5 Segment (HL loop position 130). [T_3 18/18]	M	AN	1/1	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
92	3001	**N9 SEGMENT - Special Handling Code** Use this segment for shipments transiting through an Air or Sea Port.	M			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
92-01	3001	Special Handling Code Qualifier AHC - Air Handling Code SU - Special Processing Code *Use 'SU' to denote Water Special Handling Code.*	M	ID	2/3	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
92-02	3001	Special Handling Code For water shipments, enter the one-position special handling code from Appendix LL of the DTR Part II. This is paired with the water commodity code mapped to the L5 segment (HL loop position 130). For air shipments, enter the special handling code from Appendix Z of the DTR Part II. [T_3 19/19]	M	AN	1/1	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
93	3001	**N9 SEGMENT - Air Dimension Code** SEGMENT CONDITION: Required for air shipments.	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
93-01	3001	Air Dimension Code Qualifier ADM - Air Dimension Code	M	ID	3/3	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
93-02	3001	Air Dimension Code [T_3 20/20]	M	AN	1/1	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
94	3001	**H3 SEGMENT - Special Requirements Code** SEGMENT CONDITION: Use this segment when a Special Requirements Code applies. Do not enter a Julian date for the Special Requirements Code.	C			2	105	O	1	>1	1	HL					
							Only one of H301 or H302 may be present.										
94-02	3001	Special Requirements Code Code list includessupply Special Requirements Codes '444', '555', '777', '999', 'Exx', 'Nxx', 'Sxx' and 'Xxx'. (As a measure of consistency between this 858B IC and the 856A IC enter triple-position codes 'Exx', 'Nxx', 'Sxx' and 'Xxx' where the first byte is literal and the 'xx' represent any valid alpha-numeric value that completes the code as defined by the Supply Community). Change per DM 1014 [T_3 54/56]	M	AN	3/3	2	105	O	1	>1	1	HL	H302	153	C	AN	2/30

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
95	3001	**L5 SEGMENT - Air Commodity Code** SEGMENT CONDITION: Required for and used only for air shipments.	C			2	130	O	10	>1	1	HL					
							If either L503 or L504 is present, then the other is required. If L507 is present, then L506 is required. If either L508 or L509 is present, then the other is required.										
95-03	3001	Air Commodity Code This is paired with the special handling code that is mapped to the N9 segment (HL loop position 100). [T_3 18/18]	M	AN	1/1	2	130	O	10	>1	1	HL	L503	22	C	AN	1/30
95-04	3001	Air Commodity Code Qualifier Z - Mutually defined *Use 'Z' to denote Air Commodity Code.*	M	ID	1/1	2	130	O	10	>1	1	HL	L504	23	C	ID	1/1
96	3001	**L5 SEGMENT - Water Commodity Code** SEGMENT CONDITION: Required for and used only for water shipments.	C			2	130	O	10	>1	1	HL					
							If either L503 or L504 is present, then the other is required. If L507 is present, then L506 is required. If either L508 or L509 is present, then the other is required.										
96-03	3001	Water Commodity Code This is paired with the Water Type Cargo Code and the Special Handling Code that are mapped to the N9 segments (HL loop position 100). [T_3 15/17]	M	AN	3/3	2	130	O	10	>1	1	HL	L503	22	C	AN	1/30
96-04	3001	Water Commodity Code Qualifier I - Milstamp AITC or Water Commodity Code	M	ID	1/1	2	130	O	10	>1	1	HL	L504	23	C	ID	1/1
97	3001	**Y7 SEGMENT - Transportation Priority Code** SEGMENT CONDITION: Use when Priority Code applies.	C			2	137	O	2	>1	1	HL					
							If either Y702 or Y703 is present, then the other is required.										
97-01	3001	Transportation Priority Code Enter the highest transportation priority loaded in the shipment unit. [T_3 53/53]	M	N0	1/1	2	137	O	2	>1	1	HL	Y701	467	O	N0	1/1
98	3001	**G62 SEGMENT - Date/Time (UTC) Shipped to POE** SEGMENT CONDITION: Required for air and water shipments to a POE - not for shipments to a CCP or for shipments loaded at POE.	C			2	138	O	10	>1	1	HL					
							At least one of G6201 or G6203 is required. If either G6201 or G6202 is present, then the other is required. If either G6203 or G6204 is present, then the other is required.										
98-01	3001	Date (UTC) Shipped to POE Qualifier SE - Date Shipped to Port of Embarkation (POE)	M	ID	2/2	2	138	O	10	>1	1	HL	G6201	432	C	ID	2/2

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
98-02	3001	Date (UTC) Shipped to POE For air shipments, the date appears in DTR TCMD T_3 record positions 61/62. This date is paired with the time in G6204. The DTR value is an ordinal number that represents a day of the year on a 365 day calendar. Convert the ordinal to a standard date format of CCYYMMDD. (Example: ordinal value 23 could equal days 23, 123, 223, or 323) For water shipments, the date appears in Julian format in DTR TCMD T_3 record positions 60/62. [T_3 60/62]	M	DT	8/8	2	138	O	10	>1	1	HL	G6202	373	C	DT	8/8
98-03	3001	Time (UTC) Shipped to APOE Qualifier ELEMENT CONDITION: Required for and used only for air shipments. D - Estimated Departure Time	C	ID	1/1	2	138	O	10	>1	1	HL	G6203	176	C	ID	1/2
98-04	3001	Time (UTC) Shipped to APOE Enter time in 24 hr time format (HHMM). ELEMENT CONDITION: Required for and used only for air shipments. [T_3 60/60]	C	TM	4/4	2	138	O	10	>1	1	HL	G6204	337	C	TM	4/8
98-05	3001	UTC Date/Time Zone Indicator Use Universal Time Coordinate (UTC), also referred to as Greenwich Mean Time (GMT), for both G6202 and G6204. ELEMENT CONDITION: Required and used only for air shipments. SOURCE: ISO 8601 available from American National Standards Institute UT - Universal Time Coordinate	C	ID	2/2	2	138	O	10	>1	1	HL	G6205	623	O	ID	2/2
99	3001	**G62 SEGMENT - Required Delivery Date (RDD)** SEGMENT CONDITION: Use when RDD furnished by the application system.	C			2	138 At least one of G6201 or G6203 is required. If either G6201 or G6202 is present, then the other is required. If either G6203 or G6204 is present, then the other is required.	O	10	>1	1	HL					
99-01	3001	Required Delivery Date (RDD) Qualifier 54 - Deliver No Later Than Date	M	ID	2/2	2	138	O	10	>1	1	HL	G6201	432	C	ID	2/2
99-02	3001	Required Delivery Date (RDD) If DTR TCMD T_3 record positions 54/56 are other than 1 to 366, then map to H302 (HL loop position 105) as an expedited handling code. [T_3 54/56]	M	DT	8/8	2	138	O	10	>1	1	HL	G6202	373	C	DT	8/8

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
100	3001	**NTE SEGMENT - Shipment Unit Adjustment Code** SEGMENT CONDITION: Use this segment only when BX01 contains code value '03' or '04'. CHANGE NOTE: Segment added per DM 704B.	C			2	140 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.	O	100	>1	1	HL					
100-01	3001	Shipment Unit Adjustment Code Qualifier ACN - Action Taken *Use 'ACN' to denote Shipment Unit Adjustment Code.*	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
100-02	3001	Shipment Unit Adjustment Code Enter the date in CCYYMMDD format, preceded by one of the following values, corresponding to code value contained in BX01: For BX01 code value '03', enter value 'Deletion' followed by date. For BX01 code value '04' enter value 'Correction' followed by date. [TAJ 4/4],[T_J 53/53],[T_R 53/53]	M	AN	16/18	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
101	3001	**L0 SEGMENT - Piece, Weight, Cube and Type Pack**	M			2	145 If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.	O	1	20	2	L0					
101-04	3001	Total Weight of Shipment Unit Enter total weight of the consolidated shipment and its contents in whole pounds. [T_3 72/76]	M	R	1/10	2	145	O	1	20	2	L0	L004	81	C	R	1/10
101-05	3001	Gross Weight Qualifier G - Gross Weight	M	ID	1/1	2	145	O	1	20	2	L0	L005	187	C	ID	1/2
101-06	3001	Total Cube of Shipment Unit Enter the total cube of the consolidated shipment. Total cube is based on length, width, and height of the consolidated shipment, including any exposed cargo. All cube entries should be rounded to whole numbers. CHANGE NOTE: Reference to whole numbers added per DM 810. [T_3 77/80]	M	R	1/8	2	145	O	1	20	2	L0	L006	183	C	R	1/8
101-07	3001	Cube Qualifier E - Cubic Feet	M	ID	1/1	2	145	O	1	20	2	L0	L007	184	C	ID	1/1

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
101-08	3001	Number of Pieces for the Shipment Unit Enter value one (1). [T_3 68/71]	M	N0	1/1	2	145	O	1	20	2	L0	L008	80	C	N0	1/7
							L008 is the number of handling units of the line item tendered to the carrier.										
101-09	3001	Type Pack Code PLL - [Migration Code] 463L pallet. [T_3 28/29] See Section 6 for list of data values.	M	ID	3/3	2	145	O	1	20	2	L0	L009	211	C	ID	3/3
102	3001	**FA1 SEGMENT - Other Consolidations (Not SEAVAN/RORO/463L) (T_3)** SEGMENT CONDITION: Use this segment for the Transportation Account Code (TAC) when available.This segment begins the appropriation number loop for T_3 data (DG 3001). It calls for both FA1 and FA2 segments. Carriers do not need to receive appropriation data. Shipper systems that are capable of receiving, storing, and sending structured DoD appropriation numbers may use this loop to exchange those numbers with trading partners.	C			2	230	O	1	>1	2	FA1					
102-01	3001	Agency Qualifier Code Code identifying the agency assigning the code values. DF - Department of Defense (DoD) DN - Department of the Navy DX - United States Marine Corps DY - Department of Air Force DZ - Department of Army HS - Department of Health and Human Services *Use 'HS' to denote Department of Homeland Security/US Coast Guard (DHS/USCG).*	M	ID	2/2	2	230	O	1	>1	2	FA1	FA101	559	M	ID	2/2
							FA101 Identifies the organization controlling the assignment of financial accounting information.										
103	3001	**FA2 SEGMENT - Other Consolidations (Not SEAVAN/RORO/463L) (T_3)** Required when FA1 segment is used.	M			2	240	M	>1	>1	2	FA1					
103-01	3001	Breakdown Structure Detail Code (T_3) See Section 6 for list of data values.	M	ID	2/2	2	240	M	>1	>1	2	FA1	FA201	1196	M	ID	2/2
103-02	3001	Financial Information Code (T_3) When FA201 contains code value '84', FA202 should be formatted as a dollar amount including a decimal character and two positions after the decimal, representing cents even if the value is a whole dollar amount. [T_3 64/67]	M	AN	1/80	2	240	M	>1	>1	2	FA1	FA202	1195	M	AN	1/80

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104	3001	**N1 SEGMENT - Loading Activity** LOOP CONDITION: This segment identifies the activity loading the consolidated shipment into a SEAVAN/RORO or onto a 463L pallet.	C			2	290	O	1	4	2	N1					
							At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.										
104-01	3001	Loading Activity Qualifier LP - Loading Party	M	ID	2/2	2	290	O	1	4	2	N1	N101	98	M	ID	2/3
104-03	3001	Loading Activity DoDAAC Qualifier 10 - Department of Defense Activity Address Code (DODAAC)	M	ID	2/2	2	290	O	1	4	2	N1	N103	66	C	ID	1/2
104-04	3001	Loading Activity DoDAAC Enter the DoDAAC of the activity loading the consolidated shipment. [T_3 9/14]	M	AN	6/6	2	290	O	1	4	2	N1	N104	67	C	AN	2/80
							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.										
105	3001	**N1 SEGMENT - Consignee of the Consolidated Shipment**	M			2	290	O	1	4	2	N1					
							At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.										
105-01	3001	Consignee of the Consolidated Shipment Qualifier CE - Consignee (To receive large parcels and freight)	M	ID	2/2	2	290	O	1	4	2	N1	N101	98	M	ID	2/3
105-03	3001	Consignee of the Consolidated Shipment DoDAAC Qualifier 10 - Department of Defense Activity Address Code (DODAAC)	M	ID	2/2	2	290	O	1	4	2	N1	N103	66	C	ID	1/2
105-04	3001	Consignee of the Consolidated Shipment DoDAAC Enter the DoDAAC for consignee of the consolidated shipment. [T_3 47/52]	M	AN	6/6	2	290	O	1	4	2	N1	N104	67	C	AN	2/80
							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.										
106	5001	**HL SEGMENT - Cargo Attribute/Dimension Information (T_5)** LOOP CONDITION: This HL loop is required when describing attribute/dimension information (each T_5) for all Government vehicles, trailers, tracked/wheeled guns, aircraft, and outsize general cargo. Repeat this loop for each Government vehicle, trailer, tracked/wheeled gun, or aircraft. Also repeat this loop for outsize general cargo that exceeds 84 inches in any one of the dimensions. CHANGE NOTE: Change dimension 72" to 84" per DM 889	C			2	010	M	1	>1	1	HL					
							The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data. The HL segment defines a top-down/left-right ordered structure.										
106-01	5001	Hierarchical (Segment) ID Number Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)	M	AN	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
							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.										

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106-02	5001	Hierarchical Parent ID Number Use this element to link this loop with its parent loop. Establish the link by copying the hierarchical ID number (HL01) of the DG 1001, DG 2001, or DG 3001 parent HL loop here.	M	AN	1/12	2	010 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.	M	1	>1	1	HL	HL02	734	O	AN	1/12
106-03	5001	Hierarchical Level Code Use code value '5' to indicate that the HL loop contains information from DTR T_5 records corresponding to DG 5001, along with related trailer data corresponding to DG 5013. 5 - Category	M	ID	1/1	2	010 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.	M	1	>1	1	HL	HL03	735	M	ID	1/2
107	5001	**VC SEGMENT - Serial Number** SEGMENT CONDITION: Use for shipments of Government vehicles, trailers, tracked/wheeled guns, and aircraft.	C			2	080	O	24	>1	1	HL					
107-01	5001	Serial Number Enter the Serial Number for each shipment unit. [T_5 68/80]	M	AN	1/25	2	080	O	24	>1	1	HL	VC01	539	M	AN	1/25
108	5001	**N9 SEGMENT - Basic Issue Item Pieces** SEGMENT CONDITION: Applies to Government vehicles, trailers, tracked/wheeled guns, and aircraft.	C			2	100 At least one of N902 or N903 is required. If N906 is present, then N905 is required.	O	10	>1	1	HL					
108-01	5001	Basic Issue Item (BII) Qualifier ZZ - Mutually Defined *Use 'ZZ' to denote Basic Issue Item Number Information.*	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
108-02	5001	Basic Issue Item (BII) Pieces Indicate the number of pieces of BII. (Example: BII02 for two BII items). Occurs once for each shipment unit (T_0/1/4). [T_5 15/19]	M	AN	5/5	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
109	5001	**NTE SEGMENT - Model Number** SEGMENT CONDITION: Applies to Government vehicles, trailers, tracked/wheeled guns, and aircraft.	C			2	140 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.	O	100	>1	1	HL					
109-01	5001	Model Number Qualifier OTN - Another Type of Number Description *Use 'OTN' to denote Model Number.*	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
109-02	5001	Model Number [T_5 9/14]	M	AN	1/80	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
110	5001	**NTE SEGMENT - Nomenclature** SEGMENT CONDITION: Applies to Government vehicles, trailers, wheeled or tracked guns, and aircraft.	C			2	140	O	100	>1	1	HL					
							The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.										
110-01	5001	Nomenclature Qualifier EED - Equipment Description *Use 'EED' to denote Nomenclature.*	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
110-02	5001	Nomenclature Enter the nomenclature of the item. Applies to Government vehicles, trailers, tracked/wheeled guns, aircraft, and outsize general cargo. [T_5 9/14]	M	AN	1/80	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
111	5013	**NTE SEGMENT - Vehicle Year** SEGMENT CONDITION: For vehicles shipped to Central or South America.	C			2	140	O	100	>1	1	HL					
							The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.										
111-01	5013	Vehicle Year Qualifier CAR - Other Related Information *Use 'CAR' to denote Vehicle Year.*	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
111-02	5013	Vehicle Year Enter vehicle year for vehicle shipped to Central/South America. [T_9 54/79]	M	AN	4/4	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
112	5013	**NTE SEGMENT - Vehicle Make** SEGMENT CONDITION: For vehicles shipped to Central or South America.	C			2	140	O	100	>1	1	HL					
							The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.										
112-01	5013	Vehicle Make Qualifier CBI - Description of Title *Use 'CBI' to denote Vehicle Make.*	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
112-02	5013	Vehicle Make Enter vehicle make for vehicle shipped to Central/South America. [T_9 54/79]	M	AN	1/25	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
113	5001	**L0 SEGMENT - Pieces, Piece Weight, Piece Cube, and Dimensions** Each DG 5001 will contain pieces, piece weight, piece cube, and dimensions. This segment creates a loop that contains MEA segments.	M			2	145 If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.	O	1	20	2	L0					
113-04	5001	Weight of a Single Piece Enter weight of the piece (whole number) to which the MEA segment (HL loop position 160) dimensions apply. [T_5 72/76]	M	R	1/10	2	145	O	1	20	2	L0	L004	81	C	R	1/10
113-05	5001	Weight Qualifier for a Single Piece G - Gross Weight	M	ID	1/1	2	145	O	1	20	2	L0	L005	187	C	ID	1/2
113-06	5001	Cube of a Single Piece Enter cube of the piece (whole number) to which the MEA segment (HL loop position 160) dimensions apply. [T_5 77/80]	M	R	1/8	2	145	O	1	20	2	L0	L006	183	C	R	1/8
113-07	5001	Cube Qualifier E - Cubic Feet	M	ID	1/1	2	145	O	1	20	2	L0	L007	184	C	ID	1/1
113-08	5001	Pieces Enter the number of shipment unit pieces to which the MEA segment (HL loop position 160) dimensions apply. Enter zero (0) for estimated number of pieces. CHANGE NOTE: Use L008 (rather than L010) for Pieces per DM 762. [T_5 60/71]	M	N0	1/7	2	145 L008 is the number of handling units of the line item tendered to the carrier.	O	1	20	2	L0	L008	80	C	N0	1/7
113-09	5001	Pieces Qualifier PCS - Pieces	M	ID	3/3	2	145	O	1	20	2	L0	L009	211	C	ID	3/3
113-11	5001	Gross Weight Units Qualifier L - Pounds	M	ID	1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
114	5001	**MEA SEGMENT - Length**	M			2	160 At least one of MEA03, MEA05, MEA06, or MEA08 is required. If MEA05 is present, then MEA04 is required. If MEA06 is present, then MEA04 is required. If MEA07 is present, then at least one of MEA03, MEA05, or MEA06 is required. Only one of MEA08 or MEA03 may be present.	O	10	20	2	L0					

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
114-01	5001	Dimensions Qualifier SD - Shipped Dimensions	M	ID	2/2	2	160	O	10	20	2	L0	MEA01	737	O	ID	2/2
114-02	5001	Length of a Piece(s) Qualifier LN - Length	M	ID	2/2	2	160	O	10	20	2	L0	MEA02	738	O	ID	1/3
114-03	5001	Length of a Piece(s) of the Shipment Unit Dimension measured in inches. T_5 59/59, which equals 'L', is not used in the 858 transaction. [T_5 54/58]	M	R	1/5	2	160	O	10	20	2	L0	MEA03	739	C	R	1/20
115	5001	**MEA SEGMENT - Width**	M			2	160	O	10	20	2	L0					
						At least one of MEA03, MEA05, MEA06, or MEA08 is required. If MEA05 is present, then MEA04 is required. If MEA06 is present, then MEA04 is required. If MEA07 is present, then at least one of MEA03, MEA05, or MEA06 is required. Only one of MEA08 or MEA03 may be present.											
115-01	5001	Dimensions Qualifier SD - Shipped Dimensions	M	ID	2/2	2	160	O	10	20	2	L0	MEA01	737	O	ID	2/2
115-02	5001	Width of Pieces Qualifier WD - Width	M	ID	2/2	2	160	O	10	20	2	L0	MEA02	738	O	ID	1/3
115-03	5001	Width of a Piece(s) of the Shipment Unit Dimension measured in inches. T_5 63/63, which equals 'W', is not used in the 858 transaction.	M	R	1/4	2	160	O	10	20	2	L0	MEA03	739	C	R	1/20
116	5001	**MEA SEGMENT - Height**	M			2	160	O	10	20	2	L0					
						At least one of MEA03, MEA05, MEA06, or MEA08 is required. If MEA05 is present, then MEA04 is required. If MEA06 is present, then MEA04 is required. If MEA07 is present, then at least one of MEA03, MEA05, or MEA06 is required. Only one of MEA08 or MEA03 may be present.											
116-01	5001	Dimensions Qualifier SD - Shipped Dimensions	M	ID	2/2	2	160	O	10	20	2	L0	MEA01	737	O	ID	2/2
116-02	5001	Height of Pieces Qualifier HT - Height	M	ID	2/2	2	160	O	10	20	2	L0	MEA02	738	O	ID	1/3

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
116-03	5001	Height of a Piece(s) of the Shipment Unit Dimension measured in inches. T_5 67/67, which equals 'H', is not used in the 858 transaction. [T_5 64/66]	M	R	1/4	2	160	O	10	20	2	L0	MEA03	739	C	R	1/20
117	6001	**HL SEGMENT - NSN, Nomenclature, and HAZMAT Information (T_6)** LOOP CONDITION: This HL loop is required when describing entries for an item NSN and a non-hazardous item nomenclature for shipments where the weight of all like items (single NSN) comprises 51 percent or more of the total shipment weight. The loop is also required for shipments when describing HAZMAT codes, ammunition round count, and IMO classification. For other than HAZMAT material, do not use this loop to describe personal effects (personal property), material for sale in stores, and material which is not covered by NSNs. It includes both T_6 and T_9 information. Repeat this loop as required.	C			2	010	M	1	>1	1	HL					
							The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data. The HL segment defines a top-down/left-right ordered structure.									
117-01	6001	Hierarchical (Segment) ID Number Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)	M	AN	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
							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.									
117-02	6001	Hierarchical Parent ID Number Use this element to link this loop with its parent loop. Establish the link by copying the hierarchical ID number (HL01) of the DG 1001 parent HL loop here.	M	AN	1/12	2	010	M	1	>1	1	HL	HL02	734	O	AN	1/12
							HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.										
117-03	6001	Hierarchical Level Code Use code value '6' to indicate that the HL loop contains information from DTR T_6 records corresponding to DG 6001, along with related trailer data corresponding to DG 6016. 6 - Sub-Category	M	ID	1/1	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
							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.										
118	6001	**N9 SEGMENT - National Stock Number (NSN)/Part Number** SEGMENT CONDITION: For a single line item shipment, enter the NSN or the CAGE code and Part number if the NSN is not known. When multiple line items are consolidated and the consolidation container comprises 51 percent or more by weight of a single NSN, enter the NSN (or the CAGE and Part-Number).	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
118-01	6001	NSN/Part Number Qualifier NS - National Stock Number PM - Part Number *Use 'PM' to denote CAGE + Part Number.*	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
118-02	6001	NSN/Part Number Enter one NSN or one concatenated CAGE + Part Number (whenever NSN in unavailable) per HL loop. [T_6 54/66]	M	AN	1/30	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
119	6001	**NTE SEGMENT - Nomenclature** SEGMENT CONDITION: For a non-hazardous, single line item shipment, enter the Nomenclature of the item. When multiple, non-hazardous line items are consolidated and the consolidation container comprises 51 percent or more by weight of a single NSN, enter the Nomenclature of the items that comprise 51 percent or more of the shipment weight.	C			2	140	O	100	>1	1	HL	The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.				
119-01	6001	Nomenclature Qualifier ABN - Abbreviated Nomenclature *Use 'ABN' to denote Full Available Nomenclature.*	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
119-02	6001	Nomenclature [T_6 67/80]	M	AN	1/80	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
120	6016	**NTE SEGMENT - Protective Service** SEGMENT CONDITION: Use for transportation protective service requirements in accordance with the descriptions in Appendix Z or LL of the DTR Part II. CHANGE NOTE: Title changed and user note modified per DM 842.	C			2	140	O	100	>1	1	HL	The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.				
120-01	6016	Protective Service Qualifier CHANGE NOTE: Code definition changed per DM 842. SSH - Security Service Information *Use 'SSH' to denote Protective Service.*	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
120-02	6016	Protective Service Enter as free-form, abbreviated text the transportation protective service requirements in accordance with the descriptions in Appendix Z or LL of the DTR Part II. CHANGE NOTE: Title and user note changed per DM 842. SOURCE: Defense Transportation Regulations [T_9 54/79]	M	AN	1/80	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
121	6016	**NTE SEGMENT - HAZMAT Goods Packaged Prior to January 1990 Indicator** SEGMENT CONDITION: The statement: 'GOVERNMENT-OWNED GOODS PACKAGED BEFORE 1 JANUARY 1990' is required if HAZMAT item was originally packaged prior to 1 January 1990.	C			2	140	O	100	>1	1	HL	The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.				

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
121-01	6016	HAZMAT Goods Package Prior to January 1990 Qualifier VEC - Verification Comments *Use 'VEC' to denote HAZMAT item was originally packaged prior to 1 January 1990.*	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
121-02	6016	HAZMAT Goods Packaged Prior to January 1990 Indicator Insert the following value: 'GOVERNMENT-OWNED GOODS PACKAGED BEFORE 1 JANUARY 1990'. [T_9 54/79]	M	AN	53/53	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
122	6001	**L0 SEGMENT - HAZMAT Ammunition Round Count** SEGMENT CONDITION: If Use this segment/loop for ammunition shipments only. This segment is required for X12 compliance to create a loop that contains MEA segments.	C			2	145	O	1	20	2	L0					
							If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.										
122-01	6001	Compliance Number Use the value one (1) to satisfy X12 syntax requirements.	M	N0	1/1	2	145	O	1	20	2	L0	L001	213	O	N0	1/3
123	6001	**MEA SEGMENT - HAZMAT Total Round Count** SEGMENT CONDITION: This segment is mandatory for ammunition.	C			2	160	O	10	20	2	L0					
							At least one of MEA03, MEA05, MEA06, or MEA08 is required. If MEA05 is present, then MEA04 is required. If MEA06 is present, then MEA04 is required. If MEA07 is present, then at least one of MEA03, MEA05, or MEA06 is required. Only one of MEA08 or MEA03 may be present.										
123-01	6001	HAZMAT Total Round Count Qualifier CT - Counts	M	ID	2/2	2	160	O	10	20	2	L0	MEA01	737	O	ID	2/2
123-03	6001	HAZMAT Total Round Count For ammunition, enter the Total Round Count in the shipment unit. [T_6 9/14]	M	R	1/20	2	160	O	10	20	2	L0	MEA03	739	C	R	1/20
124	6016	**LH1 SEGMENT - HAZMAT Information** LOOP CONDITION: Use a separate LH1 segment/loop for each HAZMAT item.	C			2	170	O	1	100	2	LH1					
124-01	6016	HAZMAT Information Use code value 'ZZ' to satisfy X12 syntax requirements. (Note: The HAZMAT Type Pack Code moved to data element LFH02 - HAZMAT Type Pack Code.) CHANGE NOTE: Per DM 863 do the following: Rename LH101 data element. Remove reference to T_9 54/79. Select code value 'ZZ'. Replace user note as modified by FACTS guidance. ZZ - Mutually Defined	M	ID	2/2	2	170	O	1	100	2	LH1	LH101	355	M	ID	2/2
							LH101 and LH102 are used to convey the number and type of packages for bulk and nonbulk movements.										

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
124-02	6016	HAZMAT Type Pack Quantity For HAZMAT Type Pack Quantity enter the number of packages associated with the type of packaging referenced in the LFH (HAZMAT Type Pack Code) segment, data element LFH02. CHANGE NOTE: Replace user note as modified by FACTS guidance per DM 863. [T_9 54/79]	M	N0	1/7	2	170	O	1	100	2	LH1	LH102	80	M	N0	1/7
124-03	6016	HAZMAT UN/NA Number CHANGE NOTE: User note modified per DM 838, ELEMENT CONDITION: As applicable, enter value 'UN', value 'NA', or value 'ID' followed by four-position number. SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications [T_9 54/79]	C	ID	6/6	2	170	O	1	100	2	LH1	LH103	277	O	ID	6/6
124-05	6016	HAZMAT Weight CHANGE NOTE: User note corrected per DM 774. ELEMENT CONDITION: Use when qualifier in LH106 refers to weight. Enter HAZMAT total quantity weight in pounds or kilograms except for Class 1 material which must be the net explosive mass (kilograms). For quantity exceptions, see 49 CFR 172.203. [T_9 54/79]	C	AN	1/7	2	170	O	1	100	2	LH1	LH105	22	O	AN	1/30

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
124-06	6016	HAZMAT Volume or Weight Qualifier CHANGE NOTE: User note modified per DM 838. Select from the following code values from DE 355 to qualify weight or volume carried in either LH105 or LH107. When code value 'ZZ' applies, use it to denote 'Radioactive' or 'MILS' data (volume). CC - Cubic Centimeter CF - Cubic Feet CR - Cubic Meter GA - Gallon GR - Gram GT - Gross Kilogram KG - Kilogram LB - Pound LT - Liter ML - Milliliter PJ - Pounds, Decimal - Pounds per Square Foot - Pound Gage PT - Pint QS - Quart, Dry U.S. ZZ - Mutually Defined *Use 'ZZ' to denote Radioactive or MILS data (volume), as applicable.*	M	ID	2/2	2	170	O	1	100	2	LH1	LH106 LH106 and LH107 are used to convey the quantity or volume and unit of measure for nonbulk shipments only.	355	O	ID	2/2
124-07	6016	HAZMAT Volume When qualifier in LH106 = 'ZZ', enter value zero (0) to denote that either Radioactive Activity Level is present or additional NTE segment contains MILS HAZMAT weight or volume information. CHANGE NOTE: User note modified per DM 838. ELEMENT CONDITION: Use when qualifier in LH106 refers to volume. Enter HAZMAT total quantity volume value in accordance with the unit of measure noted in LH106 (e.g., cubic feet, gallon). [T_9 54/79]	C	R	1/5	2	170	O	1	100	2	LH1	LH107	380	O	R	1/15

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124-10	6016	HAZMAT Packing Group CHANGE NOTE: Requirement attributed changed to 'C' and user note replaced per DM 808. ELEMENT CONDITION: As applicable, enter value 'I', 'II', or 'III' to denote PGI, PGII, or PGIII, when Packing Group is assigned. SOURCE: The Canadian Gazette, Part II available from Canadian Government Publishing Centre Supply and Services Canada [T_9 54/79]	C	ID	1/3	2	170	O	1	100	2	LH1	LH110	254	O	ID	1/3
125	6016	**LH2 SEGMENT - HAZMAT Additional Information** SEGMENT CONDITION: Use for HAZMAT additional information as appropriate. Repeat the LH2 segment up to four times to document the UN Class or Division Number for subsidiary hazards.	C			2	180	O	4	100	2	LH1					
							If either LH206 or LH207 is present, then the other is required. If either LH208 or LH209 is present, then the other is required. If either LH210 or LH211 is present, then the other is required.										
125-01	6016	HAZMAT UN Class or Division Number ELEMENT CONDITION: As appropriate, enter the one- or two-digit hazard class or division number in accordance with 49 CFR or International Maritime Dangerous Goods Code (IMDGC). If two characters, the second position is a decimal value (e.g., 12 implies 1.2). SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications [T_6 71/72]	C	ID	1/2	2	180	O	4	100	2	LH1	LH201	215	O	ID	1/30
125-05	6016	HAZMAT Reportable Quantity Indicator ELEMENT CONDITION: As appropriate, use to indicate that the hazardous material quantity meets or exceeds the quantity limit listed in 49 CFR. [T_9 54/79] RQ - Reportable Quantity	C	ID	2/2	2	180	O	4	100	2	LH1	LH205	759	O	ID	2/2
125-06	6016	HAZMAT Flash Point Qualifier ELEMENT CONDITION: Required if HAZMAT Flash Point applies. CE - Centigrade, Celsius FA - Fahrenheit	C	ID	2/2	2	180	O	4	100	2	LH1	LH206	355	C	ID	2/2
							LH206 and LH207 indicate the flashpoint temperature.										
125-07	6016	HAZMAT Flash Point The flash point for flammable liquids, in degrees Centigrade (C) or Fahrenheit (F). (For example, '800F' might indicate a closed cup flashpoint of 800 degrees Fahrenheit.) [T_9 54/79]	C	R	1/4	2	180	O	4	100	2	LH1	LH207	408	C	R	1/4
126	6016	**LH3 SEGMENT - HAZMAT Proper Shipping Name** SEGMENT CONDITION: Segment is required for all HAZMAT shipping. If HAZMAT Proper Shipping Name is greater than 25 characters, use additional LH3 segments as required.	C			2	190	O	12	100	2	LH1					
							If either LH301 or LH302 is present, then the other is required.										

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
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126-01	6016	HAZMAT Proper Shipping Name Enter proper shipping name. See LFH02 segment (HL loop position 191) to enter the technical name when required by regulation. SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications [T_9 54/79]	M	AN	1/25	2	190	O	12	100	2	LH1	LH301	224	C	AN	1/25
126-02	6016	HAZMAT Proper Shipping Name Qualifier C - Canadian Shipping Name D - Domestic (United States) Shipping Name I - International Shipping Name	M	ID	1/1	2	190	O	12	100	2	LH1	LH302	984	C	ID	1/1
127	6016	**LFH SEGMENT - HAZMAT Type Pack Code** SEGMENT CONDITION: Use when LH102 - HAZMAT Type Pack Quantity present. CHANGE NOTE: Segment added (and FACTS guidance applied) per DM 863.	C			2	191	O	20	100	2	LH1					
							If either LFH05 or LFH06 is present, then the other is required.										
127-01	6016	HAZMAT Shipment Identifier HZC - Hazardous Substance Constituents *Use 'HZC' to denote HAZMAT Type Pack Code segment.*	M	ID	3/3	2	191	O	20	100	2	LH1	LFH01	808	M	ID	3/3
127-02	6016	HAZMAT Type Pack Code Enter the appropriate ANSI X12 code from TMDS (https://www-tmds.c2.amc.af.mil/TMDS/DTRdata.xsql?result=&view=V_TYPE_PACK&skip=0&max=10) .	M	AN	3/3	2	191	O	20	100	2	LH1	LFH02	809	M	AN	1/25
127-03	6016	HAZMAT Type Pack Description ELEMENT CONDITION: Enter corresponding HAZMAT Type Pack Code description, if applicable. [T_9 54/79]	C	AN	1/25	2	191	O	20	100	2	LH1	LFH03	809	O	AN	1/25
128	6016	**LFH SEGMENT - HAZMAT Remarks (Radioactive)** SEGMENT CONDITION: Use for Radioactive HAZMAT shipments. CHANGE NOTE: Segment added per DM 803.	C			2	191	O	20	100	2	LH1					
							If either LFH05 or LFH06 is present, then the other is required.										
128-01	6016	Additional Basic Description Information Qualifier Use code value 'RAM' when additional information must appear for Radioactive Material according to 49 CFR. RAM - Radioactive Material Data	M	ID	3/3	2	191	O	20	100	2	LH1	LFH01	808	M	ID	3/3

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
128-02	6016	Additional Basic Description Information (Radioactive) Enter the appropriate text in quotes as specified by 49 CFR 172.203(d).	M	AN	1/25	2	191	O	20	100	2	LH1	LFH02	809	M	AN	1/25
128-05	6016	Radioactive Unit of Measure Code 08 - Heat Lots *Use '08' to denote Nanocurie.* 09 - Tire *Use '09' to denote Terabecquerels.* 2Q - Kilobecquerel 2R - Kilocurie 4D - Curie 4N - Megabecquerel G4 - Gigabecquerel M5 - Microcurie MU - Millicurie R2 - Becquerel	M	ID	2/2	2	191	O	20	100	2	LH1	LFH05	355	C	ID	2/2
128-06	6016	Radioactive Activity Level Enter Radioactive Activity Level.	M	R	1/15	2	191	O	20	100	2	LH1	LFH06	380	C	R	1/15
							LFH06 indicates activity of the radioactive material.										
128-07	6016	Transport Index of Radioactive Material ELEMENT CONDITION: Enter Transport Index if required.	C	R	1/15	2	191	O	20	100	2	LH1	LFH07	380	O	R	1/15
							LFH07 indicates transport index of the radioactive material.										
129	6016	**LFH SEGMENT - HAZMAT Technical Name** SEGMENT CONDITION: Required when Proper Shipping Name (PSN) contains a technical name in parentheses immediately following the PSN. If HAZMAT Technical Name is greater than 25 characters, use additional LFH segments as required.	C			2	191	O	20	100	2	LH1					
							If either LFH05 or LFH06 is present, then the other is required.										
129-01	6016	HAZMAT Technical Name Qualifier TEC - Technical or Chemical Group Name	M	ID	3/3	2	191	O	20	100	2	LH1	LFH01	808	M	ID	3/3
129-02	6016	HAZMAT Technical Name Enter the technical name of the HAZMAT material. [T_9 54/79]	M	AN	1/25	2	191	O	20	100	2	LH1	LFH02	809	M	AN	1/25

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130	6016	**LFH SEGMENT - HAZMAT Waste Indicator**	C			2	191	O	20	100	2	LH1					
		SEGMENT CONDITION: Required if the hazardous material is defined as waste.					If either LFH05 or LFH06 is present, then the other is required.										
130-01	6016	HAZMAT Waste Indicator Qualifier WST - Waste Declaration	M	ID	3/3	2	191	O	20	100	2	LH1	LFH01	808	M	ID	3/3
130-02	6016	HAZMAT Waste Indicator Enter the word 'WASTE' if the hazardous material is defined as waste. [T_9 54/79]	M	AN	5/5	2	191	O	20	100	2	LH1	LFH02	809	M	AN	1/25
131	6016	**LFH SEGMENT - HAZMAT Limited Quantity Indicator**	C			2	191	O	20	100	2	LH1					
		SEGMENT CONDITION: Required when the hazardous material is defined as limited.					If either LFH05 or LFH06 is present, then the other is required.										
131-01	6016	HAZMAT Limited Quantity Indicator Qualifier LQY - "Limited Quantity" Declaration	M	ID	3/3	2	191	O	20	100	2	LH1	LFH01	808	M	ID	3/3
131-02	6016	HAZMAT Limited Quantity Indicator Include the words 'Limited Quantity' or 'LTD QTY' when the material is defined as such. [T_9 54/79]	M	AN	1/25	2	191	O	20	100	2	LH1	LFH02	809	M	AN	1/25
132	6016	**LFH SEGMENT - HAZMAT Cargo Aircraft Only Indicator**	C			2	191	O	20	100	2	LH1					
		SEGMENT CONDITION: Required for HAZMAT cargo on military air transportation when the applicable passenger 'P' code is indicated in accordance with AFMAN 24-204(I)/TM 38-250/MCO P4030.19H/NAVSUP Pub 505/DLAI 4145.3, "Preparing Hazardous Materials for Military Air Shipments."					If either LFH05 or LFH06 is present, then the other is required.										
132-01	6016	HAZMAT Cargo Aircraft Only Indicator Qualifier CAO - Cargo Airlift Only	M	ID	3/3	2	191	O	20	100	2	LH1	LFH01	808	M	ID	3/3
132-02	6016	HAZMAT Cargo Aircraft Only Indicator Enter 'Cargo Aircraft Only'. [T_9 54/79]	M	AN	19/19	2	191	O	20	100	2	LH1	LFH02	809	M	AN	1/25
133	6016	**LFH SEGMENT - HAZMAT Toxic Inhalation Zone Code**	C			2	191	O	20	100	2	LH1					
		SEGMENT CONDITION: Required for toxic inhalation materials.					If either LFH05 or LFH06 is present, then the other is required.										
133-01	6016	HAZMAT Toxic Inhalation Materials Indicator Qualifier PIH - "Poison - Inhalation Hazard" Declaration	M	ID	3/3	2	191	O	20	100	2	LH1	LFH01	808	M	ID	3/3

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133-02	6016	HAZMAT Toxic Inhalation Materials Indicator Use the words 'Toxic Inhalation Hazard ' followed by 'Zone A', 'Zone B', 'Zone C', or 'Zone D' for gases or 'Zone A' or 'Zone B' for liquids depending on the zone selected in LFH04. The word 'toxic' is not required if already included as part of the PSN. [T_9 54/79]	M	AN	24/24	2	191	O	20	100	2	LH1	LFH02	809	M	AN	1/25
133-04	6016	HAZMAT Toxic Inhalation Zone Code Indicate the appropriate hazard zone to affix to entry in LFH02. A - Hazard Zone A B - Hazard Zone B C - Hazard Zone C D - Hazard Zone D	M	ID	1/1	2	191	O	20	100	2	LH1	LFH04	1023	O	ID	1/1
134	6001	**LHR SEGMENT - HAZMAT DoDIC/IMO Designation** SEGMENT CONDITION: Required for all hazardous materials.	C			2	210	O	10	100	2	LH1					
134-01	6001	HAZMAT DoDIC/IMO Designation Qualifier 1I - Department of Defense Identification Code (DoDIC) *Use '1I' to denote ammunition, ammunition components, and explosives.* ZZ - Mutually Defined *Use 'ZZ' to denote other HAZMAT.*	M	ID	2/2	2	210	O	10	100	2	LH1	LHR01	128	M	ID	2/3
134-02	6001	HAZMAT DoDIC/IMO Designation For ammunition, ammunition components, and explosives, enter the Department of Defense Identification Code (DoDIC). For other HAZMAT, enter the letters 'IMO'. [T_6 67/70]	M	AN	3/4	2	210	O	10	100	2	LH1	LHR02	127	M	AN	1/30
135	6001	**LHR SEGMENT - HAZMAT Compatibility Group Code** SEGMENT CONDITION: Required for ammunition and explosives.	C			2	210	O	10	100	2	LH1					
135-01	6001	HAZMAT Compatibility Group Code Qualifier 6P - Group Number	M	ID	2/2	2	210	O	10	100	2	LH1	LHR01	128	M	ID	2/3
135-02	6001	HAZMAT Compatibility Group Code [T_6 80/80]	M	AN	1/1	2	210	O	10	100	2	LH1	LHR02	127	M	AN	1/30

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136	6016	**LHR SEGMENT - HAZMAT Special Approval Number** SEGMENT CONDITION: A Special Approval (DOT Special Permit, CAA, COE, or DoD packaging waiver) number must be entered if applicable.	C			2	210	O	10	100	2	LH1					
136-01	6016	HAZMAT Special Approval Number Qualifier HN - Hazardous Certification Number *Use 'HN' to denote Special Approval Number.*	M	ID	2/2	2	210	O	10	100	2	LH1	LHR01	128	M	ID	2/3
136-02	6016	HAZMAT Special Approval Number Enter special approval (DOT Special Permit, CAA, COE, or DoD packaging waiver) number. [T_9 54/79]	M	AN	1/26	2	210	O	10	100	2	LH1	LHR02	127	M	AN	1/30
137	7001	**HL SEGMENT - NEW, Ammunition, Explosives, or Lot Information (T_7)** LOOP CONDITION: This HL loop is required when describing entries for NEW, ammunition, explosives, or lot information. If the shipment unit contains more than one lot, make a separate loop for each lot.	C			2	010	M	1	>1	1	HL					
							The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data. The HL segment defines a top-down/left-right ordered structure.										
137-01	7001	Hierarchical (Segment) ID Number Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)	M	AN	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
							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.										
137-02	7001	Hierarchical Parent ID Number Use this element to link this loop with its parent loop. Establish the link by copying the hierarchical ID number (HL01) of the DG 1001 parent HL loop here.	M	AN	1/12	2	010	M	1	>1	1	HL	HL02	734	O	AN	1/12
							HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.										
137-03	7001	Hierarchical Level Code Use code value '7' to indicate that the HL loop contains information from DTR T_7 records corresponding to DG 7001. 7 - Type	M	ID	1/1	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
							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.										
138	7001	**L0 SEGMENT - Lot Number Information** Each L0 segment reflects the round count, weight, and cube of the lot or shipment unit being described. If a shipment unit contains multiple lots, create additional HL loops with associated information for each lot.	M			2	145	O	1	20	2	L0					
							If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.										
138-04	7001	Weight per Lot Number Enter the total shipping weight (L011) of the MIL-STD-129 defined unit packs for the Lot Number or for that part of the shipment unit that does not have a Lot Number. [T_7 72/76]	C	R	1/10	2	145	O	1	20	2	L0	L004	81	C	R	1/10

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138-05	7001	Weight Qualifier ELEMENT CONDITION: Required if L004 is used. G - Gross Weight	C	ID	1/1	2	145	O	1	20	2	L0	L005	187	C	ID	1/2
138-06	7001	Cube per Lot Number Enter the total cube (L007) of the MIL-STD-129 defined unit packs for the Lot Number or for that part of the shipment unit that does not have a Lot Number. All cube entries should be rounded to whole numbers. CHANGE NOTE: Reference to whole numbers added per DM 810. [T_7 77/80]	C	R	1/8	2	145	O	1	20	2	L0	L006	183	C	R	1/8
138-07	7001	Cube per Lot Number Qualifier ELEMENT CONDITION: Required if L006 is used. E - Cubic Feet	C	ID	1/1	2	145	O	1	20	2	L0	L007	184	C	ID	1/1
138-08	7001	Round Count per Lot Number Enter the number of munitions pieces (Round Count) for the Lot Number or for that part of the shipment unit that does not have a Lot Number. [T_7 68/71]	C	N0	1/7	2	145	O	1	20	2	L0	L008	80	C	N0	1/7
							L008 is the number of handling units of the line item tendered to the carrier.										
138-09	7001	Round Count per Lot Number Qualifier ELEMENT CONDITION: Required if L008 is used. AMM - Ammo Pack *Use 'AMM' to denote Round Count.*	C	ID	3/3	2	145	O	1	20	2	L0	L009	211	C	ID	3/3
138-10	7001	Lot Number Enter the Lot Number or, if no Lot Number is available, enter 'NO LOT NUMBER'. [T_7 54/67]	M	AN	2/25	2	145	O	1	20	2	L0	L010	458	O	AN	2/25
138-11	7001	Weight Unit Qualifier L - Pounds	C	ID	1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
139	7001	**MEA SEGMENT - NEW** SEGMENT CONDITION: Use this segment for Class/Division 1.1, 1.2, 1.3, 1.4 munitions to show the NEW for each Lot Number identified in L010 or for that part of the shipment unit that does not have a Lot Number. Use segment only once per Lot Number or shipment unit. If L010 is 'NO LOT NUMBER', enter NEW for shipment unit.	C			2	160	O	10	20	2	L0					
							At least one of MEA03, MEA05, MEA06, or MEA08 is required. If MEA05 is present, then MEA04 is required. If MEA06 is present, then MEA04 is required. If MEA07 is present, then at least one of MEA03, MEA05, or MEA06 is required. Only one of MEA08 or MEA03 may be present.										

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139-01	7001	NEW Qualifier NX - Net Explosive Weight	M	ID	2/2	2	160	O	10	20	2	L0	MEA01	737	O	ID	2/2
139-03	7001	NEW Enter NEW in pounds. [T_7 9/14]	M	R	1/10	2	160	O	10	20	2	L0	MEA03	739	C	R	1/20
140	8001	**HL SEGMENT - Personal Property (T_8)** LOOP CONDITION: This HL loop is required when describing entries for household goods, baggage, or POV.	C			2	010	M	1	>1	1	HL					
							The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data. The HL segment defines a top-down/left-right ordered structure.										
140-01	8001	Hierarchical (Segment) ID Number Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)	M	AN	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
							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.										
140-02	8001	Hierarchical Parent ID Number Use this element to link this loop with its parent loop. Establish the link by copying the hierarchical ID number (HL01) of the DG 1001 parent HL loop here.	M	AN	1/12	2	010	M	1	>1	1	HL	HL02	734	O	AN	1/12
							HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.										
140-03	8001	Hierarchical Level Code Use code value '8' to indicate that the HL loop contains information from DTR T_8 records corresponding to DG 8001, along with related trailer data corresponding to DG 8013 and DG 8017. 8 - Charge Detail	M	ID	1/1	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
							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.										
141	8001	**N9 SEGMENT - Type of Personal Property Shipment Code** SEGMENT CONDITION: Use when describing personal property.	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
141-01	8001	Type of Personal Property Shipment Code Qualifier HHT - Type of Household Goods Code	M	ID	3/3	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
141-02	8001	Type of Personal Property Shipment Code Select the applicable Personal Property Shipment Code from the TRANSCOM Reference Data Management table Personal Property Shipment-Unit TCN Type Code (Part II, Appendix L). (D_PRSNL_PRPRTY_S2_CD), mirrored at http://www.ustranscom.mil/cmd/associated/dteb/files/refdata/V_D_ PRSNL_PRPRTY_S2_CD.htm SOURCE: Table Management Distribution System (TMDS) [T_8 71/71]	M	AN	1/1	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30

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142	8001	**N9 SEGMENT - Household Goods and Baggage Carrier SCAC** SEGMENT CONDITION: Required if ITGBL code is 'T', 'J', or '5'.	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
142-01	8001	Household Goods and Baggage Carrier SCAC Qualifier SCA - Standard Carrier Alpha Code (SCAC)	M	ID	3/3	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
142-02	8001	Household Goods and Baggage Carrier SCAC Enter HHG and Baggage Carrier SCAC. [T_8 77/80]	M	AN	2/4	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
143	8001	**N9 SEGMENT - POV License Plate Number** SEGMENT CONDITION: Use when describing POVs.	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
143-01	8001	POV License Plate Number Qualifier LV - License Plate Number	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
143-02	8001	POV License Plate Number Enter full plate letters/numbers of license plate. [T_8 73/77]	M	AN	1/15	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
143-03	8001	POV License Plate - U.S. State Abbreviation Enter abbreviation for state issuing vehicle license plate. If none, enter NO. [T_8 71/72]	M	AN	2/2	2	100	O	10	>1	1	HL	N903	369	C	AN	1/45
144	8001	**L5 SEGMENT - POV Make and Color** SEGMENT CONDITION: Required when describing Privately-Owned Vehicle (POV).	C			2	130	O	10	>1	1	HL					
							If either L503 or L504 is present, then the other is required. If L507 is present, then L506 is required. If either L508 or L509 is present, then the other is required.										
144-02	8001	POV Make Enter the first 25 letters of the POV make. [T_8 11/14] Sample Values: CHEVROLET, FORD, PLYMOUTH	M	AN	1/25	2	130	O	10	>1	1	HL	L502	79	O	AN	1/50
							L502 may be used to send quantity information as part of the product description.										
144-06	8001	POV Color Enter predominate POV color. [T_8 78/80] Sample Values: black, blue, red	C	AN	3/20	2	130	O	10	>1	1	HL	L506	87	C	AN	1/48

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145	8001	**NTE SEGMENT - POV Year** SEGMENT CONDITION: Required when describing POV.	C			2	140	O	100	>1	1	HL					
							The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.										
145-01	8001	POV Year Qualifier CHANGE NOTE: Change code definition per DM 847. CAR - Other Related Information *Use 'CAR' to denote Vehicle Year.*	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
145-02	8001	POV Year Enter POV year. [T_8 9/14]	M	AN	4/4	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
146	8013	**NTE SEGMENT - Personal Property GBL (PPGBL)** SEGMENT CONDITION: Use for property shipped under a Personal Property GBL (PPGBL).	C			2	140	O	100	>1	1	HL					
							The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.										
146-01	8013	PPGBL Qualifier BOL - Bill of Lading Note *Use 'BOL' to denote PPGBL.*	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
146-02	8013	PPGBL Number Enter origin PPGBL number. [T_9 54/79]	M	AN	1/26	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
147	8013	**NTE SEGMENT- PPGBL Origin Carrier Name** SEGMENT CONDITION: Use for property shipped under a PPGBL.	C			2	140	O	100	>1	1	HL					
							The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.										
147-01	8013	PPGBL Origin Carrier Name Qualifier AAA - Agent Details *Use 'AAA' to denote PPGBL Origin Carrier Name.*	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
147-02	8013	PPGBL Origin Carrier Name Enter name of origin carrier. [T_9 54/79]	M	AN	1/80	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80

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148	8017	**NTE SEGMENT - USAF TDY Travel Order Number and ADSN/Fiscal Station Number** SEGMENT CONDITION: Required for unaccompanied baggage of TDY USAF personnel, military and civilian, to list the travel order number and the Accounting Disbursing Station Number (ADSN)/fiscal station number from the DD Form 1610, "Request and Authorization TDY Travel of DoD Personnel." Use additional NTE segments, as required, to list the organization and address that issued the orders, including sufficient data to allow Air Mobility Command (AMC) billing.	C			2	140	O	100	>1	1	HL					
							The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.										
148-01	8017	Travel Order Number and ADSN/Fiscal Station Number Qualifier ORI - Order Instructions *Use 'ORI' to denote Travel Order Number and ADSN/Fiscal Station Number.*	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
148-02	8017	Travel Order Number and ADSN/Fiscal Station Number Enter the travel order number and the ADSN/fiscal station number from the DD Form 1610, "Request and Authorization for TDY Travel of DoD Personnel." [T_9 54/79]	M	AN	1/80	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
149	8001	**L0 SEGMENT - DPM Shipment Net Weight** SEGMENT CONDITION: Use for DPM shipments from activities OCONUS (outside CONUS) to CONUS.	C			2	145	O	1	20	2	L0					
							If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.										
149-04	8001	DPM Shipment Net Weight Activities outside CONUS (OCONUS) enter net weight of DPM shipments to CONUS. [T_8 72/76]	M	R	1/10	2	145	O	1	20	2	L0	L004	81	C	R	1/10
149-05	8001	DPM Shipment Net Weight Qualifier N - Actual Net Weight	M	ID	1/1	2	145	O	1	20	2	L0	L005	187	C	ID	1/2
150	8001	**NM1 SEGMENT - Personal Property Owner**	M			2	260	O	1	4	2	NM1					
							If either NM108 or NM109 is present, then the other is required. If NM111 is present, then NM110 is required.										
150-01	8001	Personal Property Owner Identifier Code OW - Owner of Property or Unit	M	ID	2/2	2	260	O	1	4	2	NM1	NM101	98	M	ID	2/3
150-02	8001	Personal Property Owner Qualifier 1 - Person	M	ID	1/1	2	260	O	1	4	2	NM1	NM102	1065	M	ID	1/1

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150-03	8001	Personal Property Owner's Last Name [T_8 54/66]	M	AN	1/35	2	260	O	1	4	2	NM1	NM103	1035	O	AN	1/35
150-04	8001	Personal Property Owner's First Name If available use full first name, otherwise use initial. [T_8 67/67]	M	AN	1/25	2	260	O	1	4	2	NM1	NM104	1036	O	AN	1/25
150-05	8001	Personal Property Owner's Middle Name/Initial Enter middle name or initial. [T_8 68/68]	C	AN	1/25	2	260	O	1	4	2	NM1	NM105	1037	O	AN	1/25
150-08	8001	Grade Code Qualifier ZZ - Mutually Defined *Use 'ZZ' to denote Grade Code Information.*	M	ID	2/2	2	260	O	1	4	2	NM1	NM108	66	C	ID	1/2
150-09	8001	Military/Civilian Grade Code Insert the applicable pay grade code. SOURCE: DTR Part II, Appendix FF [T_8 69/70]	M	AN	2/2	2	260	O	1	4	2	NM1	NM109	67	C	AN	2/80
151	8017	**N3 SEGMENT - Additional Consignee Address** SEGMENT CONDITION: Use this segment/loop to describe up to four additional consignee address lines for property consigned to a civil address.	C			2	270	O	2	4	2	NM1					
151-01	8017	Additional Consignee Address Enter Clear Text address information for consignee. [T_9 54/79]	M	AN	1/35	2	270	O	2	4	2	NM1	N301	166	M	AN	1/55
151-02	8017	Additional Consignee Address Enter additional Clear Text address information for consignee. [T_9 54/79]	C	AN	1/35	2	270	O	2	4	2	NM1	N302	166	O	AN	1/55
152	9013	**HL SEGMENT - General Miscellaneous Information (T_9)** LOOP CONDITION: This HL loop is required when describing general miscellaneous information not otherwise detailed.	C			2	010	M	1	>1	1	HL					
							The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data. The HL segment defines a top-down/left-right ordered structure.										

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
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152-01	9013	Hierarchical (Segment) ID Number Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)	M	AN	1/12	2	010 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.	M	1	>1	1	HL	HL01	628	M	AN	1/12
152-02	9013	Hierarchical Parent ID Number Use this element to link this loop with its parent loop. Establish the link by copying the hierarchical ID number (HL01) of the DG 1001, DG 2001, or DG 3001 parent HL loop here.	M	AN	1/12	2	010 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.	M	1	>1	1	HL	HL02	734	O	AN	1/12
152-03	9013	Hierarchical Level Code Use code value '9' to indicate that the HL loop contains information from DTR T_9 records (trailer data) corresponding to DG 9013. 9 - Line Detail	M	ID	1/1	2	010 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.	M	1	>1	1	HL	HL03	735	M	ID	1/2
153	9013	**REF SEGMENT - Classified Shipment Container Number** SEGMENT CONDITION: Use for Classified Shipment Container Number. Repeat segment for each different container number.	C			2	060 At least one of REF02 or REF03 is required.	O	5	>1	1	HL					
153-01	9013	Classified Shipment Container Number Qualifier 98 - Container/Packaging Specification Number *Use '98' to denote Classified Container Number.*	M	ID	2/3	2	060	O	5	>1	1	HL	REF01	128	M	ID	2/3
153-02	9013	Classified Shipment Container Number Enter container number. For ISO containers (e.g., SEAVANs) enter all 11 characters of the container ID number (owner code, serial number, check digit). [T_9 54/79]	M	AN	1/30	2	060	O	5	>1	1	HL	REF02	127	C	AN	1/30
154	9013	**N9 SEGMENT - Controlled Inventory Item Code (CIIC)** SEGMENT CONDITION: Required for all DoD managed inventory items that have a CIIC assigned. CHANGE NOTE: Segment added per DM 842.	C			2	100 At least one of N902 or N903 is required. If N906 is present, then N905 is required.	O	10	>1	1	HL					
154-01	9013	Controlled Inventory Item Code Qualifier 8R - Security Type *Use '8R' to denote Controlled Inventory Item Code.*	M	ID	2/3	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3

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154-02	9013	Controlled Inventory Item Code Enter CIIC from the authoritative code source. SOURCE: DoD 4100.39R (FLIS Manual) Volume 10, Table 61	M	AN	1/1	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
155	9013	**N9 SEGMENT - Classified Shipment Seal Number** SEGMENT CONDITION: Use for Classified Shipment Container Seal Number. Repeat segment for each different seal number.	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
155-01	9013	Classified Shipment Seal Number Qualifier SN - Seal Number *Use 'SN' to denote Classified Shipment Seal Number.*	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
155-02	9013	Classified Shipment Seal Number Enter seal number. [T_9 54/79]	M	AN	1/30	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
156	9013	**N9 SEGMENT - Serial Shipping Container Code (SSCC)** SEGMENT CONDITION: Use when shipment is marked with a Serial Shipping Container Code (SSCC).	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
156-01	9013	SSCC Qualifier LA - Shipping Label Serial Number *Use 'LA' to denote SSCC.*	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
156-02	9013	SSCC Enter SSCC (numeric value). [T_9 54/79]	M	AN	18/18	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
157	9013	**N9 SEGMENT - Direct-Booked Container Contract Number** SEGMENT CONDITION: Used for Direct-Booked container shipments.	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
157-01	9013	Direct-Booked Container Contract Number Qualifier CT - Contract Number	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
157-02	9013	Direct-Booked Container Contract Number Enter the contract number under which the Direct-Booked container is moving.	M	AN	1/30	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
158	9013	**N9 SEGMENT - Direct-Booked Container Booking Number** SEGMENT CONDITION: Used for Direct-Booked container shipments.	C			2	100 At least one of N902 or N903 is required. If N906 is present, then N905 is required.	O	10	>1	1	HL					
158-01	9013	Direct-Booked Container Booking Number Qualifier BN - Booking Number	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
158-02	9013	Direct-Booked Container Booking Number Enter the booking number under which the Direct-Booked container is moving.	M	AN	1/15	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
159	9013	**N9 SEGMENT - Direct-Booked Container Declared Value** SEGMENT CONDITION: Used for Direct-Booked container shipments.	C			2	100 At least one of N902 or N903 is required. If N906 is present, then N905 is required.	O	10	>1	1	HL					
159-01	9013	Declared Value Qualifier PR - Price Quote Number *Use 'PR' to denote Declared Value.*	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
159-02	9013	Declared Value Enter the declared value of the Direct-Booked cargo. This field is expressed as a dollar amount and contains an explicit decimal point in the third position from the right to express cents. The decimal point must be present and is considered a character in the maximum field length.	M	N	4/10	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
160	9013	**N9 SEGMENT - Direct-Booked Container Voyage Document Number** SEGMENT CONDITION: Used for Direct-Booked container shipments	C			2	100 At least one of N902 or N903 is required. If N906 is present, then N905 is required.	O	10	>1	1	HL					
160-01	9013	Voyage Document Number Qualifier V3 - Voyage Number *Use 'V3' to denote Military Voyage Number.*	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
160-02	9013	Military Voyage Number Enter the military assigned Voyage Number under which the Direct-Booked container is moving.	M	AN	1/15	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
160-03	9013	Voyage Document Year Enter the four digit year associated to the Voyage Document Number.	M	AN	4/4	2	100	O	10	>1	1	HL	N903	369	C	AN	1/45

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
161	9013	**NTE SEGMENT - General Miscellaneous and Pertinent Information** SEGMENT CONDITION: Use this segment for pertinent information, including clear text data and in-the-clear consignee address information, necessary for shipment but not detailed in other data entries.	C			2	140	O	100	>1	1	HL					
							The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.										
161-01	9013	General Miscellaneous and Pertinent Information Qualifier ADD - Additional Information	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
161-02	9013	General Miscellaneous and Pertinent Information Enter clear text miscellaneous data here. [T_9 54/79]	M	AN	1/80	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
162	9013	**NTE SEGMENT - Unit Deployment Information (ULN)** SEGMENT CONDITION: Required for unit move cargo to identify unit line number (ULN) deployment information for unit move TCNs.	C			2	140	O	100	>1	1	HL					
							The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.										
162-01	9013	ULN Qualifier OTN - Another Type of Number Description *Use 'OTN' to denote Unit Line Number for a TPFDD Move.*	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
162-02	9013	ULN Enter the unit line number. [T_9 58/64]	M	AN	5/7	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
163	9013	**NTE SEGMENT - Transportation Tracking Account Number (TTAN)** SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable. CHANGE NOTE: Segment added per DM 887.	C			2	140	O	100	>1	1	HL					
							The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.										
163-01	9013	Transportation Tracking Account Number (TTAN) Qualifier TCF - Tariff Commodity Footnotes *Use 'TCF' to denote Transportation Tracking Account Number (TTAN).*	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
163-02	9013	Transportation Tracking Account Number (TTAN)	M	AN	13/13	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80

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164	9013	**NTE SEGMENT - Not Otherwise Specified (NOS) Type Cargo** SEGMENT CONDITION: Required when Not Otherwise Specified (NOS) cargo description applies.	C			2	140	O	100	>1	1	HL					
							The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.										
164-01	9013	NOS Qualifier ZZZ - Mutually Defined *Use 'ZZZ' to denote NOS Type Cargo Information.*	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
164-02	9013	Description of NOS Type Cargo Code [T_9 54/79]	M	AN	1/80	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
165	9013	**NTE SEGMENT - Liquor Type** SEGMENT CONDITION: Use when type of liquor entry applies.	C			2	140	O	100	>1	1	HL					
							The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.										
165-01	9013	Liquor Type Qualifier LIQ - Liquor Information *Use 'LIQ' to denote Type of Liquor.*	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
165-02	9013	Liquor Information Enter type of Liquor. [T_9 54/79] Sample Values: gin, rye	M	AN	1/80	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
166	9013	**NTE SEGMENT - Liquor Bottle Size** SEGMENT CONDITION: Use when Liquor Bottle Size entry applies.	C			2	140	O	100	>1	1	HL					
							The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.										
166-01	9013	Liquor Bottle Size Qualifier CAI - General Business Description *Use 'CAI' to denote Liquor Bottle Size.*	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
166-02	9013	Liquor Bottle Size Enter Liquor Bottle Size. [T_9 54/79]	M	AN	1/80	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
167	9013	**NTE SEGMENT - Liquor Bottles per Case** SEGMENT CONDITION: Use when Liquor Bottles per Case entry applies.	C			2	140	O	100	>1	1	HL					
							The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.										

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167-01	9013	Liquor Bottles per Case Qualifier CAC - Relationship Information	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
167-02	9013	Liquor Bottles per Case Enter number of bottles per case. [T_9 54/79]	M	AN	1/2	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
168	9013	**NTE SEGMENT - Cigarette Information** SEGMENT CONDITION: Use for shipment of cigarettes.	C			2	140	O	100	>1	1	HL					
							The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.										
168-01	9013	Cigarette Information Qualifier CIG - Cigarette Information	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
168-02	9013	Cigarette Information Enter the number of cartons per case. [T_9 54/79]	M	AN	1/3	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
169	9013	**NTE SEGMENT - CONUS to Hawaii/Guam Rating Information** SEGMENT CONDITION: Use for shipments between CONUS and Hawaii or Guam to carry the clear text National Motor Freight Classification or Standard Transportation Commodity Code description of the highest rated article in the shipment unit other than HAZMAT.	C			2	140	O	100	>1	1	HL					
							The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.										
169-01	9013	CONUS to Hawaii/Guam Rating Information Qualifier OCR - Outside the Continental U.S. (OCONUS) Rating Information *Use 'OCR' to denote CONUS to Hawaii/Guam Rating Information.*	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
169-02	9013	CONUS to Hawaii/Guam Rating Information Enter the clear text National Motor Freight Classification or Standard Transportation Commodity Code description of the highest rated article in the shipment unit. [T_9 54/79]	M	AN	1/80	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
170	9013	**NTE SEGMENT - RFID Tag Serial Number** SEGMENT CONDITION: Use to indicate the tag serial number of the RFID tag attached to the shipment unit.	C			2	140	O	100	>1	1	HL					
							The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.										

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170-01	9013	RFID Tag Serial Number Qualifier PID - Property Improvement Description *Use 'PID' to denote Passive RFID Tag Serial Number.* RFL - Reason for Leaving *Use 'RFL' to denote Active RFID Tag Serial Number.*	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
170-02	9013	RFID Tag Serial Number Enter the RFID tag serial number used for in transit visibility tracking of the tag. [T_9 54/79]	M	AN	1/32	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
171	9013	**NM1 SEGMENT - Clear Text Consignee Address Name** SEGMENT CONDITION: This segment shows the first line of the address, which may be an organization's name or individual's name.	C			2	260	O	1	4	2	NM1					
							If either NM108 or NM109 is present, then the other is required. If NM111 is present, then NM110 is required.										
171-01	9013	Clear Text Consignee Address Qualifier CN - Consignee *Use 'CN' to denote Clear Text Consignee Address.*	M	ID	2/2	2	260	O	1	4	2	NM1	NM101	98	M	ID	2/3
171-02	9013	Clear Text Consignee Address Name Qualifier 6 - Organization *Use '6' to denote Clear Text Consignee Address Name.*	M	ID	1/1	2	260	O	1	4	2	NM1	NM102	1065	M	ID	1/1
171-03	9013	Clear Text Consignee Name Enter first line of the Clear Text Consignee address. (i.e., organization's name or individual's name).	M	AN	1/35	2	260	O	1	4	2	NM1	NM103	1035	O	AN	1/35
172	9013	**N3 SEGMENT - Clear Text Consignee Address** SEGMENT CONDITION: Required when no consignee DoDAAC is available in N104 (Consignee DoDAAC) data element. Use the first iteration of this segment to show the second and third lines of the address. Use the second iteration of this segment to show the fourth and fifth lines of the address.	C			2	270	O	2	4	2	NM1					
172-01	9013	Clear Text Consignee Address Information Enter Clear Text Address Information for consignee. [T_9 54/79]	M	AN	1/35	2	270	O	2	4	2	NM1	N301	166	M	AN	1/55

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
172-02	9013	Clear Text Consignee Address Information Enter additional Clear Text Address Information for consignee. [T_9 54/79]	C	AN	1/35	2	270	O	2	4	2	NM1	N302	166	O	AN	1/55
169	9014	**HL SEGMENT - Seal Numbers and Applier of Replacement Seals** LOOP CONDITION: Use this HL loop to identify original and replacement seal numbers and to identify the applier of replacement seals when passing header and trailer data associated with SEAVAN shipment units in data groups 1001/2001/3001 as applicable. Repeat this loop for each different applier of replacement seals.	C			2	010	M	1	>1	1	HL					
							The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data. The HL segment defines a top-down/left-right ordered structure.										
169-01	9014	Hierarchical ID Number Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)	M	AN	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
							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.										
169-02	9014	Hierarchical Parent ID Number Use this element to link this loop with its parent loop. Establish the link by copying the hierarchical ID number (HL01) of the DG 1001, DG 2001, or DG 3001 parent HL loop here.	M	AN	1/12	2	010	M	1	>1	1	HL	HL02	734	O	AN	1/12
							HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.										
169-03	9014	Hierarchical Level Code Use code value 'ZZ' to indicate that the HL loop identifies seal numbers and the applier of a replacement seal number (from DTR T_9 records) for a SEAVAN shipment unit corresponding to M7 segment of DG 9014 ZZ - Mutually Defined	M	ID	2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
							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.										
170	9014	**M7 SEGMENT - SEAVAN Seal Number and Replacement Seal Number** SEGMENT CONDITION: Use this segment for SEAVAN shipments. Repeat the HL loop and this segment for each seal number. To link the seal number with the applicable applier, only one M7 segment may be used per HL loop.	C			2	040	O	5	>1	1	HL					
170-01	9014	SEAVAN Seal Number and Replacement Seal Number Enter seal number. Use for original seal. Also, use when original seal is removed and replaced with a new seal. [T_9 66/73]	M	AN	2/15	2	040	O	5	>1	1	HL	M701	225	M	AN	2/15
171	9014	**N1 SEGMENT - Applier of Replacement Seals** SEGMENT CONDITION: Use when replacement seals are applied.	C			2	290	O	1	4	2	N1					
							At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.										
171-01	9014	Applier of Replacement Seals Qualifier SW - Sealing Company	M	ID	2/2	2	290	O	1	4	2	N1	N101	98	M	ID	2/3

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171-03	9014	DoDAAC/SCAC/CAGE Qualifier 10 - Department of Defense Activity Address Code (DODAAC) 2 - Standard Carrier Alpha Code (SCAC) 33 - Commercial and Government Entity (CAGE)	M	ID	1/2	2	290	O	1	4	2	N1	N103	66	C	ID	1/2
171-04	9014	Activity that Applied Seals DoDAAC or CAGE code for Defense activities or enter ocean carrier SCAC code. [T_9 74/79]	M	AN	4/6	2	290	O	1	4	2	N1	N104	67	C	AN	2/80
							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.										
172	9801	**HL SEGMENT - 463L Capped Pallet Header Information** LOOP CONDITION: Use this loop to document pallet header information for a capped 463L pallet. Use this 463L pallet header HL Loop to identify a loaded and fully documented (capped) 463L pallet that will be delivered to an aerial port. Capped 463L pallets that have not been documented as a manifested load (with a TAB record) will use the SEAVAN/RORO/463L Shipment Units HL loop (HL03=2) to identify the 463L pallet as a shipment unit (marked with an MSL) on the truck manifest.	C			2	010	M	1	>1	1	HL					
							The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data. The HL segment defines a top-down/left-right ordered structure.										
172-01	9801	Hierarchical ID Number Enter the next available HL loop sequential number to describe each pallet.	M	AN	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
							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.										
172-03	9801	Hierarchical Level Code Use code value '24' to indicate hierarchical level representing pallet header information. 24 - Supergroup	M	ID	2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
							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.										
173	9801	**N7 SEGMENT - Pallet Details**	M			2	020	O	1	>1	1	HL					
							If either N703 or N704 is present, then the other is required. If either N705 or N716 is present, then the other is required. If either N708 or N709 is present, then the other is required.										

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
173-01	9801	Module Type	M	AN	1/1	2	020	O	1	>1	1	HL	N701	206	O	AN	1/4
		SOURCE: Table Management Distribution System (TMDS) data values as indicated (DTR,Part II, Appendix DD) [TAB 40/40] A - Non-unitized, Rolling Stock B - Pallet up to 76 inches C - Containerized, skidded cargo D - Pallet for 727/707/DC-9/L-100/DC-8 stretched model E - Pallet up to 60 inches F - Pallet for DC-10 (2L-12R), MD-11 (2-14) G - Pallet with a propeller H - C-130 Ramp pallet I - ISU Pallet J - Pallet for C130 (6" aisle way) K - KC-135 L - Pallet for C-5, L-100, C-130, B-747 (upstairs), C-141, C-17 M - C-5 or C-17 only N - KC-10 (PP 2-10 L + R) P - KC-10 (position 1)					N701 is mandatory for rail transactions.										
173-02	9801	Pallet ID	M	AN	5/6	2	020	O	1	>1	1	HL	N702	207	M	AN	1/10
		Enter the pallet ID assigned by the loading activity. In sequenced order: [DTR TAB 21/23] [DTR TAB 4/5] [TAB 67/67]															
173-14	9801	Pallet Serial Number	C	AN	1/3	2	020	O	1	>1	1	HL	N714	219	O	AN	1/3
		Enter the serial number assigned by the pallet loading activity if other than an aerial port. This is not the number stamped on Pallet Data Plate. [TAB 41/43]															
174	9801	**REF SEGMENT - Air POE Identification**	C			2	060	O	5	>1	1	HL					
		SEGMENT CONDITION: Use this segment for water or air shipment of a capped pallet to a POE.					At least one of REF02 or REF03 is required.										

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
174-01	9801	POE Qualifier Code 55 - Sequence Number *Use '55' to denote Port of Embarkation.*	M	ID	2/2	2	060	O	5	>1	1	HL	REF01	128	M	ID	2/3
174-02	9801	Air POE Identifier Qualifier Enter value 'AIR' to denote Port Code type.	M	AN	3/3	2	060	O	5	>1	1	HL	REF02	127	C	AN	1/30
174-03	9801	Air POE Code Use three-position port code. [T_0 21/23],[T_1 21/23]	M	AN	3/3	2	060	O	5	>1	1	HL	REF03	352	C	AN	1/80
175	9801	**REF SEGMENT - Air POD Identification** SEGMENT CONDITION: Use this segment for water or air shipment of a capped pallet to a POD.	C			2	060 At least one of REF02 or REF03 is required.	O	5	>1	1	HL					
175-01	9801	POD Qualifier Code 6W - Sequence Number *Use '6W' to denote Port of Debarkation.*	M	ID	2/2	2	060	O	5	>1	1	HL	REF01	128	M	ID	2/3
175-02	9801	Air POD Identifier Qualifier Enter value 'AIR' to denote Port Code type.	M	AN	3/3	2	060	O	5	>1	1	HL	REF02	127	C	AN	1/30
175-03	9801	Air POD Code Use three-position port code. [T_0 24/26],[T_1 24/26]	M	AN	3/3	2	060	O	5	>1	1	HL	REF03	352	C	AN	1/80
176	9801	**N9 SEGMENT - Pallet Configuration Code**	M			2	100 At least one of N902 or N903 is required. If N906 is present, then N905 is required.	O	10	>1	1	HL					
176-01	9801	Pallet Configuration Code Qualifier WL - Federal Supply Classification Code *Use 'WL' to denote Pallet Configuration Code.*	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
176-02	9801	Pallet Configuration Code SOURCE: Table Management Distribution System (TMDS) [TAB 44/45] BC - BELLY CARGO LS - LOOSE CARGO PC - PALLETIZED CARGO RS - ROLLING STOCK SD - CARGO ON SKID T2 - PALLET TRAIN CONSISTING OF 2 PALLETS T3 - PALLET TRAIN CONSISTING OF 3 PALLETS T4 - PALLET TRAIN CONSISTING OF 4 PALLETS T5 - PALLET TRAIN CONSISTING OF 5 PALLETS T6 - PALLET TRAIN CONSISTING OF 6 PALLETS T7 - PALLET TRAIN CONSISTING OF 7 PALLETS	M	AN	2/2	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
177	9801	**N9 SEGMENT - Cargo Type Classification Code**	M			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
177-01	9801	Cargo Type Classification Code Qualifier 8X - Transaction Category or Type *Use '8X' to denote Cargo Type Classification Code.*	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
177-03	9801	Cargo Type Classification Code SOURCE: Table Management Distribution System (TMDS) [TAB 46/46] G - General Cargo M - Mixtures of G and S S - Cargo Requiring Special Handling U - Mail Y - Signature Service	M	AN	1/1	2	100	O	10	>1	1	HL	N903	369	C	AN	1/45
178	9801	**N9 SEGMENT - Personal Property Code** SEGMENT CONDITION: Required for personal property shipments.	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
178-01	9801	Personal Property Code Qualifier Q5 - Property Control Number *Use 'Q5' to denote Personal Property Code.*	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
178-02	9801	Personal Property Code Select the applicable Personal Property Shipment Code from the TRANSCOM Reference Data Management table Personal Property Shipment-Unit TCN Type Code (Part II, Appendix L). (D_PRSNL_PRPRTY_S2_CD), mirrored at http://www.ustranscom.mil/cmd/associated/dteb/files/refdata/V_D_ PRSNL_PRPRTY_S2_CD.htm SOURCE: Table Management Distribution System (TMDS) [TAB 65/65]	M	AN	1/1	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
179	9801	**N9 SEGMENT - Chain or Devices Tie Down Code** SEGMENT CONDITION: Use if chain or device is used for tie down.	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
179-01	9801	Chain or Devices Tie Down Code Qualifier 8R - Security Type *Use '8R' to denote Chain or Devices Tie Down Code.*	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
179-02	9801	Chain or Devices Tie Down Indicator Enter value 'CHAIN' to denote Chain or Devices Tie Down.	M	AN	5/5	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
179-07	9801	COMPOSITE DE - Tie Down Code Header	M	CE		2	100	O	10	>1	1	HL	N907	C040	O	CE	
							If either C04003 or C04004 is present, then the other is required. If either C04005 or C04006 is present, then the other is required.										
179-07-01	9801	Chain Tie Down Code 01 - American Bankers Assoc. (ABA) Transit/Routing Number (Including Check Digit, 9 Digits) *Use '01' to denote 01 C-Chain.*	C	ID	2/3	2	100	O	10	>1	1	HL	C04001	128	M	ID	2/3
179-07-02	9801	Chain Quantity Enter quantity of chains. ELEMENT CONDITION: Required if N907 code value of '01' is used.	C	ID	1/2	2	100	O	10	>1	1	HL	C04002	127	M	AN	1/30
179-07-03	9801	Devices Tie Down Code 02 - Society for Worldwide Interbank Financial Telecommunication (S.W.I.F.T.) Identification (8 or 11 Characters) *Use '02' to denote D - Device.*	C	ID	2/3	2	100	O	10	>1	1	HL	C04003	128	C	ID	2/3

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
179-07-04	9801	Devices Quantity Enter quantity of devices. ELEMENT CONDITION: Required if N907 code value of '02' is used.	C	ID	1/2	2	100	O	10	>1	1	HL	C04004	127	C	AN	1/30
180	9801	**N9 SEGMENT - Top Net, Side Net, or Strap Tie Down Code** SEGMENT CONDITION: Use if top net, side net, or strap is used for tie down.	C			2	100 At least one of N902 or N903 is required. If N906 is present, then N905 is required.	O	10	>1	1	HL					
180-01	9801	Top Net, Side Net, or Strap Tie Down Code Qualifier Z3 - Safety Equipment Certificate *Use 'Z3' to denote Top Net, Side Net, or Strap Tie Down Code.*	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
180-02	9801	Top Net, Side Net, or Strap Tie Down Indicator Enter value 'NET' to denote Top Net, Side Net, or Strap Tie Down.	M	AN	3/3	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
180-07	9801	COMPOSITE DE - Tie Down Code Header	M	CE		2	100 If either C04003 or C04004 is present, then the other is required. If either C04005 or C04006 is present, then the other is required.	O	10	>1	1	HL	N907	C040	O	CE	
180-07-01	9801	Top Net Tie Down Code 03 - Clearing House Interbank Payment System (CHIPS) Participant Number (3 or 4 Digits) *Use '03' to denote T - Top Net.*	C	ID	2/3	2	100	O	10	>1	1	HL	C04001	128	M	ID	2/3
180-07-02	9801	Top Net Quantity Enter quantity of top nets. ELEMENT CONDITION: Required if N907 code value of '03' is used.	C	ID	1/2	2	100	O	10	>1	1	HL	C04002	127	M	AN	1/30
180-07-03	9801	Side Net Tie Down Code 04 - Canadian Financial Institution Branch and Institution Number *Use '04' to denote N - Side Net.*	C	ID	2/3	2	100	O	10	>1	1	HL	C04003	128	C	ID	2/3
180-07-04	9801	Side Net Quantity Enter quantity of side nets. ELEMENT CONDITION: Required if N907 code value of '04' is used.	C	ID	1/2	2	100	O	10	>1	1	HL	C04004	127	C	AN	1/30
180-07-05	9801	Strap Tie Down Code 05 - Clearing House Interbank Payment System (CHIPS) User Identification (6 digits) *Use '05' to denote Strap.*	C	ID	2/3	2	100	O	10	>1	1	HL	C04005	128	C	ID	2/3

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
180-07-06	9801	Strap Quantity Enter quantity of straps. ELEMENT CONDITION: Required if N907 code value of '05' is used.	C	AN	1/2	2	100	O	10	>1	1	HL	C04006	127	C	AN	1/30
181	9801	**N9 SEGMENT - Center of Balance of Pallet Train** SEGMENT CONDITION: Use if 463L pallet configuration is a pallet train.	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
181-01	9801	Center of Balance Qualifier P5 - Position Code *Use 'P5' to denote Center of Balance.*	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
181-02	9801	Center of Balance of Pallet Train Enter Center of Balance of Pallet Train in inches. [TAB 58/60]	M	AN	1/3	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
182	9801	**N9 SEGMENT - Pallet Overhang Direction Code** SEGMENT CONDITION: Required when cargo overhangs the physical edges of the 463L pallet.	C			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
182-01	9801	Pallet Overhang Direction Code Qualifier GY - Empty Repositioning Number *Use 'GY' to denote Pallet Overhang Direction Code.*	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
182-02	9801	Pallet Overhang Direction Code Enter one of the following values as appropriate: [TAB 64/64] A - Aft B - Both F - Front	M	AN	1/1	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
183	9801	**N9 SEGMENT - Equivalent Pallet Positions**	M			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
183-01	9801	Equivalent Pallet Positions Qualifier 8Z - Alternate Clause Number *Use '8Z' to denote Number of Equivalent Pallet Positions.*	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
183-02	9801	Equivalent Pallet Positions Enter the number of Equivalent Pallet Positions. Include an explicit decimal point. Use only one decimal place. Do not enter a leading space (' '). [TAB 62/63]	M	AN	3/4	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
184	9801	**N9 SEGMENT - Air Special Handling Code**	M			2	100	O	10	>1	1	HL					
							At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
184-01	9801	Air Special Handling Code Qualifier D7 - Coverage Code *Use 'D7' to denote Air Special Handling Code.*	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
184-02	9801	Air Special Handling Code Enter the Air Special Handling Code. If special handling is not required, enter value 'Z'. SOURCE: DTR Part II, Appendix Z [TAB 66/66]	M	AN	1/1	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
185	9801	**Y7 SEGMENT - Priority**	C			2	137	O	2	>1	1	HL					
		SEGMENT CONDITION: Required for other than a Unit Move pallet. By definition Unit Move pallet does not have a shipment priority.					If either Y702 or Y703 is present, then the other is required.										
185-02	9801	Highest Transportation Priority Enter highest priority on the pallet.	M	N0	1/1	2	137	O	2	>1	1	HL	Y702	470	C	N0	1/1

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
185-03	9801	Special Priority CHANGE NOTE: Requirement attribute changed and user note modified per DM 821. Enter the following Special Priority as applicable: [TAB 54/54] 0 - No Special Priority 4 - 444 5 - 555 7 - 777 9 - 999 E - Anticipated NMCS F - FSS - Forward Supply System G - Green Sheet N - NMCS P - Purple Sheet	M	AN	1/1	2	137	O	2	>1	1	HL	Y703	471	C	AN	1/1
186	9801	**G62 SEGMENT - Pallet Departure Date/Time (UTC) from APOE** SEGMENT CONDITION: Required when pallet departs from APOE.	C			2	138	O	10	>1	1	HL					
							At least one of G6201 or G6203 is required. If either G6201 or G6202 is present, then the other is required. If either G6203 or G6204 is present, then the other is required.										
186-01	9801	Pallet Departure Date Qualifier BR - Date Delivery Commenced *Use 'BR' to denote Pallet Departure Date. Name Description.*	M	ID	2/2	2	138	O	10	>1	1	HL	G6201	432	C	ID	2/2
186-02	9801	Pallet Departure Date (UTC) from APOE Enter Pallet Departure Date (UTC) from APOE using CCYYMMDD format.	M	DT	8/8	2	138	O	10	>1	1	HL	G6202	373	C	DT	8/8
186-03	9801	Pallet Departure Time Qualifier A - Actual Departure Time	M	ID	1/1	2	138	O	10	>1	1	HL	G6203	176	C	ID	1/2
186-04	9801	Pallet Departure Time (UTC) from APOE Enter Pallet Departure Time (UTC) from APOE using HHMM format.	M	TM	4/4	2	138	O	10	>1	1	HL	G6204	337	C	TM	4/8
187	9801	**G62 SEGMENT - Estimated Date/Time (UTC) Arrival at APOE** SEGMENT CONDITION: Use for capped pallets originating at other than APOE and which are going to an APOE.	C			2	138	O	10	>1	1	HL					
							At least one of G6201 or G6203 is required. If either G6201 or G6202 is present, then the other is required. If either G6203 or G6204 is present, then the other is required.										

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
187-01	9801	Estimated Date Qualifier SE - Date Shipped to Port of Embarkation (POE) *Use 'SE' to denote Estimated Date Arrival at APOE.*	M	ID	2/2	2	138	O	10	>1	1	HL	G6201	432	C	ID	2/2
187-02	9801	Estimated Date (UTC) Arrival at APOE Enter Estimated Date (UTC) Arrival at APOE using CCYYMMDD format.	M	DT	8/8	2	138	O	10	>1	1	HL	G6202	373	C	DT	8/8
187-03	9801	Estimated Time Qualifier E - Estimated Arrival Time *Use 'E' to denote Estimated Time Arrival at APOE.*	M	ID	1/1	2	138	O	10	>1	1	HL	G6203	176	C	ID	1/2
187-04	9801	Estimated Time (UTC) Arrival at APOE Enter Estimated Time (UTC) Arrival at APOE using HHMM format.	M	TM	4/8	2	138	O	10	>1	1	HL	G6204	337	C	TM	4/8
188	9801	**G62 SEGMENT - Pallet Closed Date (UTC)** SEGMENT CONDITION: Required when the following NTE02 at Position 140 contains 'C'.	C			2	138	O	10	>1	1	HL					
							At least one of G6201 or G6203 is required. If either G6201 or G6202 is present, then the other is required. If either G6203 or G6204 is present, then the other is required.										
188-01	9801	Pallet Closed Date Qualifier BP - Contract Closed *Use 'BP' to denote Pallet Closed Date.*	M	ID	2/2	2	138	O	10	>1	1	HL	G6201	432	C	ID	2/2
188-02	9801	Pallet Closed Date (UTC) Enter date (UTC) pallet closed using CCYYMMDD format.	M	DT	8/8	2	138	O	10	>1	1	HL	G6202	373	C	DT	8/8
189	9801	**NTE SEGMENT - Pallet Processing Status Code** SEGMENT CONDITION: Required for DLA built pallets that are sent to an AMC aerial port for onward movement.	C			2	140	O	100	>1	1	HL					
							The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.										
189-01	9801	Pallet Processing Status Code Qualifier PCS - Process Specification *Use 'PCS' to denote Pallet Processing Status Code.*	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
189-02	9801	Pallet Processing Status Code Use the following values as indicated: C - Pallet Closed D - Driver Sign-off T - Truck Closed U - Un-offered.	M	AN	1/1	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
190	9801	**NTE SEGMENT - Onward Mode/Method**	M			2	140	O	100	>1	1	HL					
						The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.											
190-01	9801	Onward Mode/Method Qualifier EMD - Estimate Method Description *Use 'EMD' to denote Onward Mode/Method.*	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
190-02	9801	Onward Mode/Method NOTE: Changed attribute length fom 1/1 to 1/2 per DM 896. SOURCE: DTR Part II, Appendix GG [TAB 27/27]	M	AN	1/2	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
191	9801	**L0 SEGMENT - Total Weight, Cube, Pieces for 463L Pallet Load**	M			2	145	O	1	20	2	L0					
						If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.											
191-04	9801	Total Scale Weight for 463L Pallet Load ELEMENT CONDITION: Enter total shipping weight (including pallet, nets, chains, straps, devices, etc.) if available.	C	R	1/10	2	145	O	1	20	2	L0	L004	81	C	R	1/10
191-05	9801	Weight Type Code ELEMENT CONDITION: Required if L004 is used. G - Gross Weight	C	ID	1/1	2	145	O	1	20	2	L0	L005	187	C	ID	1/2
191-06	9801	Total Cube of 463L Pallet Load All cube entries should be rounded to whole numbers. CHANGE NOTE: Reference to whole numbers added per DM 810. [TAB 77/80]	M	R	1/4	2	145	O	1	20	2	L0	L006	183	C	R	1/8

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
191-07	9801	Cube Qualifier E - Cubic Feet	M	ID	1/1	2	145	O	1	20	2	L0	L007	184	C	ID	1/1
191-08	9801	Total Pieces on the Pallet Enter the total number of pieces for the shipment units documented on the pallet. If the pallet and its contents have been documented as one shipment unit (a single TCN) then it will only be one piece. [TAB 68/71]	M	N0	1/4	2	145	O	1	20	2	L0	L008	80	C	N0	1/7
							L008 is the number of handling units of the line item tendered to the carrier.										
191-09	9801	Pieces Qualifier CHANGE NOTE: Data element added per DM 810. PCS - Pieces	M	ID	3/3	2	145	O	1	20	2	L0	L009	211	C	ID	3/3
192	9801	**L0 SEGMENT - Cargo Weight** LOOP CONDITION: Mandatory except for DLA shipments.	C			2	145	O	1	20	2	L0					
							If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.										
192-04	9801	Cargo Weight Enter total Cargo Weight less weight of pallet, nets, chains, straps, devices, etc. [TAB 72/76]	M	R	1/10	2	145	O	1	20	2	L0	L004	81	C	R	1/10
192-05	9801	Weight Qualifier N - Actual Net Weight	M	ID	1/1	2	145	O	1	20	2	L0	L005	187	C	ID	1/2
193	9801	**MEA SEGMENT - Pallet Height** SEGMENT CONDITION: Use for loaded 463L pallet.	C			2	160	O	10	20	2	L0					
							At least one of MEA03, MEA05, MEA06, or MEA08 is required. If MEA05 is present, then MEA04 is required. If MEA06 is present, then MEA04 is required. If MEA07 is present, then at least one of MEA03, MEA05, or MEA06 is required. Only one of MEA08 or MEA03 may be present.										
193-01	9801	Pallet Dimensions Qualifier PA - Pallet Dimensions	M	ID	2/2	2	160	O	10	20	2	L0	MEA01	737	O	ID	2/2
193-02	9801	Pallet Height Qualifier HT - Height	M	ID	2/2	2	160	O	10	20	2	L0	MEA02	738	O	ID	1/3

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
193-03	9801	Pallet Height Enter Pallet Height in inches. [TAB 55/57]	M	R	1/3	2	160	O	10	20	2	L0	MEA03	739	C	R	1/20
194	9801	**N1 SEGMENT - Loading Activity DoDAAC** LOOP CONDITION: Use to indicate the pallet loading activity if the pallet is loaded at other than an air terminal.	C			2	290	O	1	4	2	N1					
							At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.										
194-01	9801	Loading Activity Qualifier LP - Loading Party *Use 'LP' to denote Pallet Loading Activity.*	M	ID	2/2	2	290	O	1	4	2	N1	N101	98	M	ID	2/3
194-02	9801	Loading Activity DODAAC Enter the DoDAAC of the activity that loaded the pallet if not an air terminal.	M	AN	6/6	2	290	O	1	4	2	N1	N102	93	C	AN	1/60
195	9801	**N1 SEGMENT - Ultimate Consignee DoDAAC** LOOP CONDITION: Use only if the 463L pallet contents will be delivered to a single consignee. SEGMENT CONDITION: Use only if the 463L pallet contents will be delivered to a single consignee.	C			2	290	O	1	4	2	N1					
							At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.										
195-01	9801	Ultimate Consignee Qualifier CN - Consignee *Use 'CN' to denote Ultimate Consignee.*	M	ID	2/2	2	290	O	1	4	2	N1	N101	98	M	ID	2/3
195-03	9801	Identification Code Qualifier 10 - Department of Defense Activity Address Code (DODAAC)	C	ID	2/2	2	290	O	1	4	2	N1	N103	66	C	ID	1/2
195-04	9801	Ultimate Consignee DoDAAC Enter DoDAAC of the ultimate consignee.	M	AN	6/6	2	290	O	1	4	2	N1	N104	67	C	AN	2/80
							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.										
196	10	**SE SEGMENT - TCMD Trailer**	M			3	020	M	1								
							SE is the last segment of each transaction set.										
196-01	10	Number of Included Segments Total segments in this transaction set including the ST and SE segments.	M	N0	1/6	3	020	M	1				SE01	96	M	N0	1/10
196-02	10	Transaction Set Control Number This data element ends the transaction set and should match the number that appears in the ST02 that begins the transaction set.	M	AN	9/9	3	020	M	1				SE02	329	M	AN	4/9

SECTION 6.0

APPLICATION CODE LISTS

This section contains code lists that are maintained by the Department of Defense for formatting freight bill of lading data to the ASC X12 Transaction Set 858. PLEASE NOTE: Tables display X12 Code Definitions where DoD definitions differ.

[2-02] – Mode/Method to POE Code

858 Mapping: 1 30 BX02 91

[8-02] – Mode/Method to POE Code

858 Mapping: 1 30 BX02 91

[14-02] – Mode/Method to POE Code

858 Mapping: 1 30 BX02 91

X12 Code	DOD Definition
6	Military Official Mail
7	Mail
A	Air
AC	Air Charter
AE	Air Express
AF	Air Freight
AH	Air Taxi
AR	Armed Forces Courier Service (ARFCOS)
B	Barge
BP	Book Postal
BU	Bus
C	Consolidation
CE	Customer Pick-Up/Customer's Expense
D	Parcel Post
DA	Driveaway Service
DW	Driveaway, Truckaway, Towaway
E	Expedited Truck
ED *X12 Definition:*	Air Mobility Command (AMC) Transportation Method/Type Code *European or Pacific Distribution System*
F	Flyaway
FA	Air Freight Forwarder
FL	Motor (Flatbed)
GG	Geographic Receiving/Shipping
GR	Geographic Receiving
GS	Geographic Shipping
H	Customer Pick-Up
HH	Household Goods Truck
I	Common Irregular Carrier

J *X12 Definition:*	Motor, Truckload *Motor*
K	Backhaul
L	Contract Carrier
LA *X12 Definition:*	Military Air *Logair*
LT *X12 Definition:*	Motor, Less than Truckload *Less Than Trailer Load (LTL)*
M	Motor (Common Carrier)
MB	Motor (Bulk Carrier)
MP	Motor (Package Carrier)
N	Private Vessel
O	Containerized Ocean
P	Private Carrier
PA	Pooled Air
PG	Pooled Piggyback
PL	Pipeline
PP	Pool to Pool
PR	Pooled Rail
PT	Pooled Truck
Q	Conventional Ocean
R	Rail
RC	Rail, Less than Carload
RR	Roadrailer
S	Ocean
SB	Shipper Agent
SC	Shipper Agent (Truck)
SD *X12 Definition:*	Shipper Association Surface *Shipper Association*
SE	Sea/Air
SR	Supplier Truck
SS	Steamship
ST	Stack Train
T	Best Way (Shippers Option)
TA	Towaway Service
TC	Cab (Taxi)
TT	Tank Truck
U *X12 Definition:*	Package Express *Private Parcel Service*
VA	Motor (Van)
VE	Vessel, Ocean
VL	Vessel, Lake
W	Inland Waterway
WP	Water or Pipeline Intermodal Movement
X *X12 Definition:*	Rail Intermodal Piggyback (TOFC/COFC) Intermodal (Piggyback)
Y	Military Intratheater Airlift Service
Y1	Ocean Conference Carrier
Y2	Ocean Non-Conference Carrier
ZZ	Mutually Defined

* Migration Code

[45-09] – Type Pack Code

858 Mapping: 2 145 L009 211

[101-09] – Type Pack Code

858 Mapping: 2 145 L009 211

DOD Code	X12 Code	DOD Definition
AB	MSV	MSCVAN
	X12 Definition:	*MSCVAN – Military Sealift Command Van*
BD	BDL	Bundle
BE	BAL	Bale
BG	BAG	Bag, Burlap or Cloth
	X12 Definition:	*Bag*
BL	BBL	Barrel
BS	BSK	Basket
	X12 Definition:	*Basket or Hamper*
BX	BOX	Box
CA	CAB	Cabinet
CB	CBY	Carboy
CC	CNA	Household Goods Container, Wood
	X12 Definition:	*Household Goods Container*
CL	COL	Coil
CM	CNB	Container, MAC-ISO, lt. wgt. 8x8x20 foot air
	X12 Definition:	*Container*
CN	CAN	Can
CO	CNT	Container, other than CC, CM, CU, CW, MW, MX
	X12 Definition:	*Container*
CR	CRT	Crate
CS	CAS	Case
CT	CTN	Carton
CU	CNC	Container, Navy Cargo Transporter
	X12 Definition:	*Container*
CW	CND	Container, Commercial Highway Lift
	X12 Definition:	*Container*
CY	CYL	Cylinder
DB	DUF	Dufflebag
	X12 Definition:	*Duffle Bag*
DR	DRM	Drum
EC	CNE	Engine Container
ED	CRD	Engine Cradle or Dolly
	X12 Definition:	*Cradle*
EN	ENV	Envelope
FK	TRK	Footlocker (Trunk)
	X12 Definition:	*Trunk and Chest*
HA	HPR	Hamper
KE	KEG	Keg
LP	PLL M	463L Air Pallet
LS	LSE	Loose, Not Packed
	X12 Definition:	*Loose*
MW	CNF	Multiwall Container Secured to Warehouse Pallet
MX	MXD	Mixed

	X12 Definition:	*Mixed Type Pack*
PC	PCS	Piece
PL	PAL	Pail
PT	PLT	Palletized Unit Load other than code MW
	X12 Definition:	*Pallet*
RL	REL	Reel
RO	ROL	Roll
RT	WHE	RORO (Roll-Off, Roll-On)
	X12 Definition:	*On Own Wheel*
SA	SAK	Sack, Paper
	X12 Definition:	*Sack*
SB	SKE	Skid, Box
	X12 Definition:	*Skid*
SD	SKD	Skid
SH	SHT	Sheet
SL	SPL	Spool
SW	SCS	Suitcase
TB	TUB	Tub
TC	TKR	Tank Car
TK	TRU	Truck
TT	TKT	Tank Truck
TU	TBE	Tube
UX	UNT	Unitized (use RT for unitized cargo on RORO)
	X12 Definition:	*Unit*
VC	VPK	Van Chassis
	X12 Definition:	*Van Pack*
VE	VEH	Vehicle
VO	VOC	Vehicle in Operating Condition
VS	TBN	SEAVAN – Tote
	X12 Definition:	*Tote Bin*
WR	WRP	Wrapped
X1	CNX	CONEX (Government Owned Container)
	X12 Definition:	*CONEX – Container Express*
YB	MLV	MILVAN
	X12 Definition:	*MILVAN – Military Van*
ZB	SVN	SEAVAN
	X12 Definition:	*SEAVAN – Sea Van*

[47-01] – Breakdown Structure Detail Code (T_0/1/4)

858 Mapping: 2 240 FA201 1196

[78-01] – Breakdown Structure Detail Code (T_2)

858 Mapping: 2 240 FA201 1196

[103-01] – Breakdown Structure Detail Code (T_3)

858 Mapping: 2 240 FA201 1196

Data Value	-	Definition
84	-	Total Direct Costs
A1	-	Department Indicator
A2	-	Transfer from Department
A3	-	Fiscal Year Indicator
A4	-	Basic Symbol Number
A5	-	Sub-Class
A6	-	Sub-Account Symbol
AT	-	Air Force Transportation Account Code (ATAC)
B1	-	Budget Activity Number
B2	-	Budget Sub-Activity Number
B3	-	Budget Program Activity
C1	-	Program Element
C2	-	Project Task or Budget Sub-Line
D1	-	Defense Agency Allocation Recipient
D4	-	Component Sub-Allocation Recipient
D6	-	Sub-Allotment Recipient
D7	-	Work Center Recipient
E1	-	Major Reimbursement Source Code
E2	-	Detail Reimbursement Source Code
E3	-	Customer Indicator
F1	-	Object Class
F3	-	Government or Public Sector Identifier
G2	-	Special Interest Code or Special Program Cost Code
I1	-	Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC) ** Use 'I1' to denote Abbreviated Department of Defense (DoD) Budget and Accounting Classification
J1	-	Document or Record Reference Number
K6	-	Accounting Classification Reference Code
L1	-	Accounting Installation Number
M1	-	Local Installation Data
MD	-	Movement Designator Code (MDC)
N1	-	Transaction Type
P5	-	Foreign Military Sales (FMS) Line Item Number
TA	-	Transportation Account Code (TAC)
ZZ	-	Mutually Defined

Section 9.0

KEY INFORMATION FOR THE DEVELOPER

This section provides functional definitions of the TCMD. It provides a brief tutorial on the ASC X12 standard HL Hierarchical Level segment. It describes the data groups cited in the IC Element Matrix. Next, it presents programming algorithms for converting TCMD data to X12 transactions. Finally, it presents three decision tables that describe logic for constructing an 858 TCMD for a single shipment unit, container, and consolidation.

Functional Definitions

This section provides brief definitions of the TCMD.

WHAT IS A TCMD?

The TCMD is a set of data that describes logistics information about items that are moving through the Defense Transportation System (DTS). The TCMD can describe information about the three shipment configurations listed in Table 9.1.

Table 9.1 TCMD Shipment Configurations

Configuration	*EDI Data Group*	*TCMD DIC Equivalent*
Shipment Unit	1000	T_0, T_1, and T_4
Container	2000	T_2
Consolidation	3000	T_3

Shipment Unit

The shipment unit is the basic shipping entity for marking, documenting, clearing and controlling a shipment. By definition, a shipment unit is 1) Single item of supply (one material release order (MRO) or DD Form 1348-1A) destined to one consignee, or; 2) Two or more compatible line items having the same consignee/destination, commodity category, and TAC, and which are shipped together…”[1] To populate a TCMD for a shipment unit, follow the decision table in *DTR, Part II, Appendix M.*

Container (SEAVAN/RORO)

To populate a TCMD for a container, follow the decision table in *DTR, Part II, Appendix M*.

Consolidation

A consolidation is a group of shipment units packed together into a conveyance other than a container. Loaded tri-wall containers, and pallets are examples of consolidations. To populate a TCMD for a consolidation, follow the decision table in *DTR, Part II, Appendix M*.

HL Segment Tutorial

The X12 community developed the HL Hierarchical Level segment to identify dependencies among and the content of hierarchically related groups of data segments. This principle can be applied to the TCMD data model. This section summarizes how the TCMD 858 uses the HL structure. It applies a parent-child data model to the TCMD, describes the X12 syntax for the HL segment, and illustrates the implementation of the HL structure to the TCMD.

A Parent-Child Model

The TCMD which describes a container shipment is composed of several levels of parent-child relationships. A child is considered a subordinate to a parent. A conveyance is always treated as a parent, and a conveyed item is always treated as a child. For example, when a tri-wall conveys shipment units, the tri-wall becomes the parent of those shipment units. Further, if a container conveys the tri-wall, then the tri-wall also becomes a child of the container. In Figure 9.1, Tri-wall (B) illustrates this condition with SEAVAN (A) and Shipment Unit (C).

Figure 9.1 TCMD Container Shipment with Tri-walls and Shipment Units

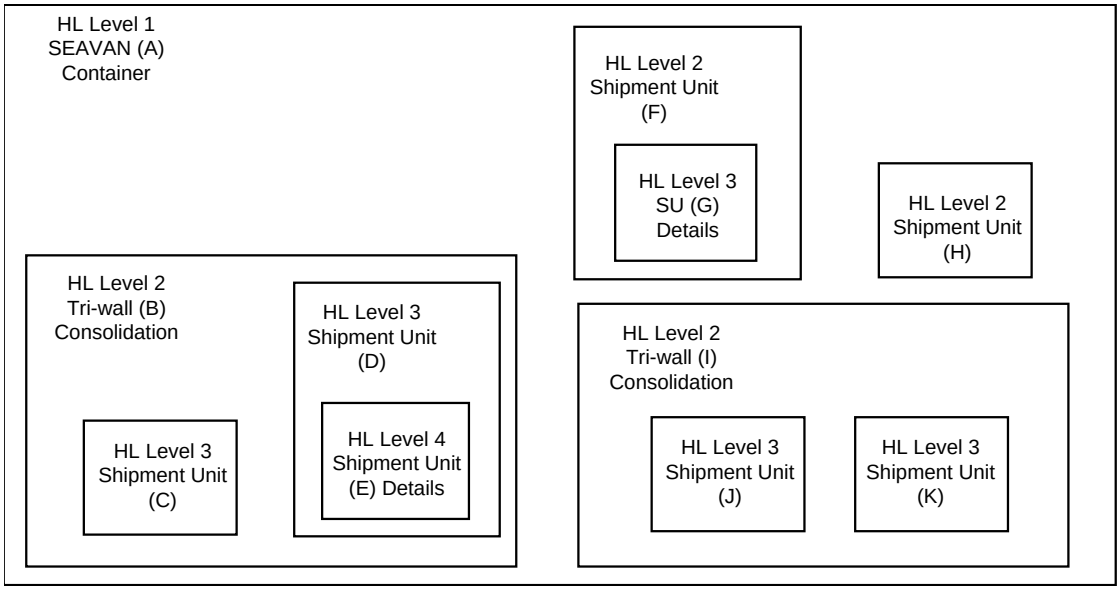
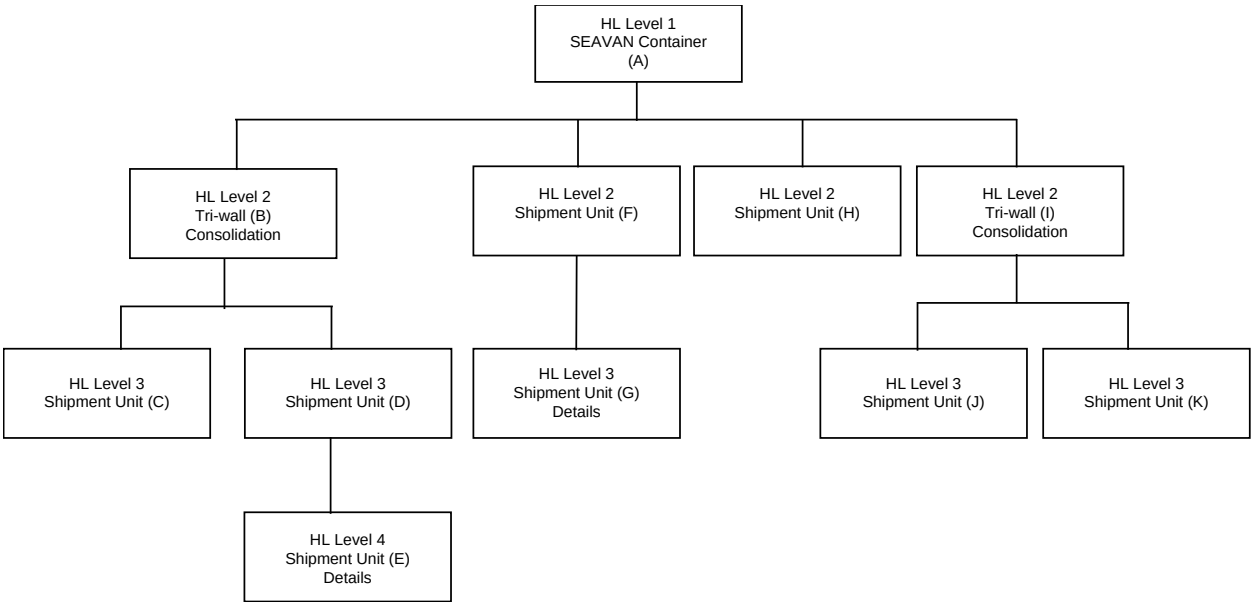


Figure 9.2 translates the example from Figure 9.1 to a hierarchical tree structure. In this example, an item at HL level 1 is always a parent and an item at HL level 4 is always a child. In between, units at level 2 are children of level-1 units and parents of level-3 units.

Figure 9.2 Hierarchical Tree Structure of a TCMD Container Shipment



ASC X12 HIERARCHICAL SEGMENT STRUCTURE

Figure 3 contains the definition of the HL segments as presented in the *EDI X12 Standard, Draft Version 4 Release 1, December 1997.*

Figure 9.3 Structure of the X12 Hierarchical Segment

HL Hierarchical Level

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

REF	ELE ID	NAME	ATTRIBUTES		
01	628	Hierarchical ID Number	M	AN	1/12
02	734	Hierarchical Parent ID Number	O	AN	1/12
03	735	Hierarchical Level Code	M	ID	1/2
04	736	Hierarchical Child Code	O	ID	1/1

COMMENTS

00 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.

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

01 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HJL01 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 HLl segment and would be incremented by one in each subsequent HL segment within the transaction.

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

03 HL03 indicates the context of the series of segments following the current HL segment up to 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.

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

LINKING HL SEGMENTS

The hierarchical principle in X12 syntax calls for the developer to create a link between a child HL loop and its parent HL loop. That link is incorporated directly into the child loop header segment at HL02. This link is one-directional from child to parent. The link may not be traced from parent to child.

HIERARCHICAL IMPLEMENTATION WITHIN THE 858 TCMD

By tracking the trailer, van, or container number, the developer creates links between child and parent HL loops. Figure 9.4 is an X12 hierarchical structure describing the shipment configuration in Figure 9.2. Recreate the translation by traversing the tree structure in Figure 9.2 following a node/left/right (NLR) scanning order.

Figure 9.4 X12 Example of the TCMD HL Hierarchical Structure

HL*1**2 n/l	HL Level 1 - SEAVAN (A) (HL03=2)
N7**(A) n/l	Equipment ID
HL*2*1*3 n/l	HL Level 2 - Tri-wall (B) (HL03=3)
N7**(B) n/l	Current level equipment ID
HL*3*2*1 n/l	HL Level 3 - Shipment unit (C) (HL03=I)
HL*4*2*I n/l	HL Level 3 - Shipment unit (D)
HL*5*4*6 n/l	HL Level 4 - Shipment unit details (E) (HL03=6)
HL*6*1*1 n/l	HL Level 2 - Shipment unit (F)
HL*7*6*6 n/l	HL Level 3 - Shipment unit details (G)
HL*8*1*1 n/l	HL Level 2 - Shipment unit (H)
HL*9*1*3 n/l	HL Level 2 - Tri-wall (I)
N7**(E) n/l	Current level equipment ID
HL*10*9*1 n/l	HL Level 3 - Shipment unit (J)
HL*11*9*1 n/l	HL Level 3 - Shipment unit (K)

DataGroups

A programmer needs to process Transportation Control and Movement Document (TCMD) data sets into EDI data groups when constructing an 858 TCMD. Table 9.3 cross-references the EDI IC data groups with corresponding DICs of TCMD prime data. Table 9.4 cross-references the EDI IC data groups with corresponding DICs for TCMD trailer data.

A programmer needs to process TCMD data sets into EDI data groups when constructing an 858 TCMD.

The EDI IC 858 TCMD format includes DataGroups (e.g., DG 1000, 1001, 2001, etc.) that are functionally mapped to the MILS transaction formats in order to provide legacy information during the migration from MILS to EDI. The mapping adheres to a general pattern as follows:

- EDI 858 TCMD DGs10xx to 90xx are for TCMD records T_1 to T_9 respectively. The transaction DGs are used to identify contextually related information and do not map to the MILS records on a one-to-one basis.
- DG “__00” identifies EDI 858 Table 1 Header records that precede each transaction.
- DG “__01” identifies EDI 858 Table 2 Detail records for TCMD T_1 to T_8 information.
- For DG “__13” to DG "__17," the digit values 13 to 17 identify EDI 858 Table 2 Detail records with respect to the *DTR Part II, Appendix M, Table M-13 to M-17* table numbers for TCMD T_9 information.

Table 9.3 cross-references the EDI IC data groups with corresponding DICs of TCMD prime data. Table 9.4 cross-references the EDI IC DataGroups with corresponding DICs for TCMD trailer data.

Table 9.3 TCMD Prime Data Group Description

Data Group Number	*TCMD DIC*	*Description*
1000	T_0/1	Shipment unit information that appears in the header table of the 858.
1001	T_0/1/4	Shipment unit information that appears in the detail table of the 858.
2000	T_2	Container information that appears in the header table of the 858.
2001	T_2	Container information that appears in the detail table of the 858.
3000	T_3	Consolidation information that appears in the header table of the 858.
3001	T_3	T_3 Consolidation information that appears in the detail table of the 858.

Table 9.4 TCMD Trailer Data Group Description

Data Group Number	*TCMD DIC*	*Data Group Description*
5001	T_5	Cargo information that appears in the detail table of the 858.
6001	T_6	NSN, Nomenclature, and HAZMAT information that appears in the detail table of the 858.
7001	T_7	NEW, Ammunition, Explosives, or Lot information that appears in the detail table of the 858.
8001	T_8	Personal Property information that appears in the detail table of the 858.
9013	T_9	General Miscellaneous Information that appears in the detail table of the 858.
9014	T_9	Seal Numbers and Applier of Replacement Seals that appears in the detail table of the 858.
9801	T_9	463L Capped Pallet Header Information that appears in the detail table of the 858.