Department
of
Defense

DoD Transportation Electronic Business (DTEB) Convention

ASC X12 Transaction Set 858 Shipment Information (Version 004010) – Freight Bill of Lading Shipment Information

VERSION 1

April 2012

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Section 1.0

INTRODUCTION

This implementation convention (IC) describes the convention the Department of Defense will use to exchange Bills of 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:

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

https://cris.transcom.mil/cris/dteb/ic/trans_ics.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 requirements 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 1

This Implementation Convention contains all DTEB approved changes (Data Maintenance items) applied in all previous versions in addition to the changes identified in the following table.

DM Number	DM Description	Approval Date
1043	Changes segment condition for declared value.	3/22/2012
1028	Comply with X12 Syntax at index 118 (DG120) by adding 118-04	12/5/2011
1026	Adjust the min/max length attribute at index 109-03 to 1/8, and the DIC reference to T_0 15/19 .	11/15/2011

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 M ID 2/2
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 ISA06 I06 Interchange Sender ID M AN 15/15
Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this 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 ISA07 I05 Interchange ID Qualifier M ID 2/2
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 ISA08 I07 Interchange Receiver ID M AN 15/15
Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them.

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 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 generating bills of lading using *ASC* X12 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

NOTE: Whenever a segment occurs more than once, DoD's actual usage requirement may differ among the instances of segment usage. In all cases, the Data Element Summary will indicate the highest order DoD requirement. In other words, if one or several particular instances for a segment are OPTIONAL but another is MANDATORY, the Data Element Summary will indicate a MANDATORY requirement. A review of the IC layout in Section 4.0 will distinguish among the multiple instances and clarify the usage requirement for each instance.

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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
	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		
	080	Y7	Priority	O	1		
	090	C3	Currency	O	1		
Not Used	100	ITD	Terms of Sale/Deferred Terms of Sale	O	1		
Must Use	110	G62	Date/Time	O	10		
	120	PER	Administrative Communications Contact	O	3		
Not Used	130	NA	Cross-Reference Equipment	O	999		
	140	F9	Origin Station	O	1		
	150	D9	Destination Station	O	1		
Not Used	160	R1	Route Information (Air)	O	1		
	170	R2	Route Information	O	13		
Not Used	175	R3	Route Information - Motor	O	13		
	180	R4	Port or Terminal	O	5		
Not Used	190	MEA	Measurements	O	10		
	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	
	220	E1	Empty Car Disposition - Pended Destination Consignee	O	1		
	230	E4	Empty Car Disposition - Pended Destination City	O	1		
	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	
	270	L7	Tariff Reference	O	30	
	280	NTE	Note/Special Instruction	O	50	
Not Used	290	XH	Pro Forma - B13 Information	O	1	
			LOOP ID - N7			600
	330	N7	Equipment Details	O	1	
	331	EM	Equipment Characteristics	O	1	
	335	NA	Cross-Reference Equipment	O	30	
	340	M7	Seal Numbers	O	5	
	350	N5	Equipment Ordered	O	1	
	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
Must Use	390	N1	Name	O	1	
	400	N2	Additional Name Information	O	2	
	410	N3	Address Information	O	2	
	420	N4	Geographic Location	O	1	
Not Used	430	REF	Reference Identification	O	12	
	440	PER	Administrative Communications Contact	O	3	
Not Used	445	H3	Special Handling Instructions	O	5	
			LOOP ID - S5			999
	450	S5	Stop-off Details	O	1	
	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
Must Use	490	N1	Name	O	1	
	500	N2	Additional Name Information	O	2	
	510	N3	Address Information	O	2	
	520	N4	Geographic Location	O	1	
Not Used	530	REF	Reference Identification	O	12	
	540	PER	Administrative Communications Contact	O	3	
			LOOP ID - FA1			>1
	550	FA1	Type of Financial Accounting Data	O	1	
M	560	FA2	Accounting Data	M	>1	
Must Use	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		
	020	N7	Equipment Details	O	1		
	030	NA	Cross-Reference Equipment	O	1		
	040	M7	Seal Numbers	O	5		
Not Used	050	N5	Equipment Ordered	O	1		
Not Used	060	REF	Reference Identification	O	5		
Not Used	070	IC	Intermodal Chassis Equipment	O	1		
Not Used	080	VC	Motor Vehicle Control	O	24		
	090	L7	Tariff Reference	O	10		
	095	SL1	Tariff Reference	O	1		
Must Use	100	N9	Reference Identification	O	10		
Not Used	105	H3	Special Handling Instructions	O	1		
Not Used	110	X1	Export License	O	6		
Not Used	120	X2	Import License	O	1		
Must Use	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		
	134	LH6	Hazardous Certification	O	5		
Not Used	137	Y7	Priority	O	2		
Not Used	138	G62	Date/Time	O	10		
	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		
	150	L1	Rate and Charges	O	20		
	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	
	230	FA1	Type of Financial Accounting Data	O	1		
M	240	FA2	Accounting Data	M	>1		
	250	L10	Weight	O	1		
			LOOP ID - NM1			4	
	260	NM1	Individual or Organizational Name	O	1		

Not Used	270	N3	Address Information	O	2	
Not Used	280	N4	Geographic Location	O	1	
			LOOP ID - N1			4
	290	N1	Name	O	1	
	300	N2	Additional Name Information	O	2	
	310	N3	Address Information	O	2	
	320	N4	Geographic Location	O	1	

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	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:
Notes: [1] ST SEGMENT - Bill of Lading Header (DG 10)

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) The application and structure of the control number must be agreed upon between trading partners. (For example, some applications use all nine digits where the first five might indicate a group control number and the last four represent the sequence of the transaction set within the functional group. Also, 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 - Bill of Lading Number (DG 10)

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**BX01**	**353**	**Transaction Set Purpose Code**		**M ID 2/2**
			Code identifying purpose of transaction set		
			[2-01] Transaction Set Purpose Code (DG 10)		
			00	Original	
				[2-01] Original	
			01	Cancellation	
				[2-01] Cancellation	
			04	Change	
				[2-01] Change	
			14	Advance Notification	
				[2-01] Advance Notification	
			20	Final Transmission	
				[2-01] Final Transmission	
M	**BX02**	**91**	**Transportation Method/Type Code**		**M ID 1/2**
			Code specifying the method or type of transportation for the shipment		
			[2-02] Transportation Method Code (Mode Code) (DG 10)		
			AF	Air Freight	
				[2-02] Air Freight	
			AH	Air Taxi	
				FAA approved carrier utilizing a 1 or 2 engine aircraft for on demand service	
				[2-02] Air Taxi	
			B	Barge	
				[2-02] Barge	
			BU	Bus	
				[2-02] Bus	
			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	
			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	
			ED	European or Pacific Distribution System	

	Military operated logistic distribution system within the indicated theaters of operation
	[2-02] European or Pacific Distribution System Use 'ED' to denote Air Mobility Command (AMC) Transportation Method/Type Code
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
IP	New Code Added by IC
	[2-02] Intermodal (Personal Property)
J	Motor
	[2-02] Motor Use 'J' to denote Motor, Truckload
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 Use 'LA' to denote Military Air
LD	New Code Added by IC
	[2-02] Local Delivery
MP	Motor (Package Carrier)
	[2-02] Motor (Package Carrier)
MS	New Code Added by IC
	[2-02] Military Sealift Command (MSC), Controlled, Contract, or Arranged Space
PL	Pipeline
	[2-02] Pipeline
R	Rail
	[2-02] Rail
RO	New Code Added by IC
	[2-02] Ocean (Roll on - Roll off)
SB	Shipper Agent
	Agent for piggyback code consolidation
	[2-02] Shipper Agent
SC	Shipper Agent (Truck)
	Motor carrier agent for piggyback trailer consolidators
	[2-02] Shipper Agent (Truck)
SD	Shipper Association
	Non-profit cooperative consolidator or distributors of shipments by member firms
	[2-02] Shipper Association
SF	New Code Added by IC
	[2-02] Surface Freight Forwarder
TA	Towaway Service
	Movement of shipper owned trailers or semi-trailers loaded and/or pulled by carrier furnished power unit
	[2-02] Towaway Service
U	Private Parcel Service

			[2-02] Private Parcel Service Use 'U' to denote Package Express		
			W Inland Waterway		
			[2-02] Inland Waterway		
			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		
			X Intermodal (Piggyback)		
			[2-02] Intermodal (Piggyback) Use 'X' to denote Rail Intermodal Piggyback(TOFC/COFC)		
M	**BX03**	**146**	**Shipment Method of Payment**	**M**	**ID 2/2**
			Code identifying payment terms for transportation charges		
			[2-03] Method of Payment (DG 10) Use only 'TP' for ocean shipments only.		
			CC Collect		
			[2-03] Collect		
			CD Collect on Delivery		
			[2-03] Collect on Delivery		
			PP Prepaid (by Seller)		
			[2-03] Prepaid (by Seller)		
			TP Third Party Pay		
			[2-03] 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] Bill of Lading/Shipment ID Number (DG 10) Carry either original or most recent bill of lading number or shipment identification number here. For ocean shipments, use TCN as shipment identifier. Do not use any punctuation or special characters.		
>>	**BX05**	**140**	**Standard Carrier Alpha Code**	**O**	**ID 2/4**
			Standard Carrier Alpha Code		
			[2-05] Transportation Company Tendered To (SCAC) (DG 10) Use SCAC of origin carrier. SCAC should be validated against the National Motor Freight Traffic Association (NMFTA) SCAC reference file. For ocean shipments, enter 'NONE' if carrier is unknown. This entry represents the booked carrier for ocean shipments, not the carrier that actually transports the shipment. For Defense Transportation Coordination Initiative (DTCI) shipments, enter the DTCI coordinator's SCAC. SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.		
X	**BX06**	**188**	**Weight Unit Code**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
>>	**BX07**	**147**	**Shipment Qualifier**	**O**	**ID 1/1**
			Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time		
			[2-07] Bill Purpose/Application Type Code (DG 10)		
			A Sub for Assembly		
			[2-07] Sub for Assembly Use 'A' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Break-Bulk		
			B Bill of Lading for Individual Shipment		
			[2-07] Bill of Lading for Individual Shipment		

			C	Consolidated Shipment [2-07] Consolidated Shipment Use 'C' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Consolidation Header (Stand-Alone)	
			E	Empty Equipment Billing (Non-Revenue) [2-07] Empty Equipment Billing (Non-Revenue) Use 'E' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Container (Skeleton SI)	
			F	Stop-off Shipment Shipment with sub-shipments to be loaded or unloaded enroute to final destination [2-07] Stop-off Shipment Use 'F' to denote Negotiated Rates for Foreign Military Sales Bills of Lading	
			G	Switch Waybill [2-07] Switch Waybill Use 'G' to denote Negotiated Rates for Tailored Transportation Contract Traffic Bill of Lading	
			M	Master Bill of Lading for Assembly, Distribution and Volume Shipment A bill of lading with multiple delivery locations [2-07] Master Bill of Lading for Assembly, Distribution and Volume Shipment Use 'M' to denote Commercial Rates for Foreign Military Sales Bills of Lading		
			Z	Commercial Zone Pick-up [2-07] Commercial Zone Pick-up Use 'Z' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Container.	
X	**BX08**	**226**	**Section Seven Code**		**O ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	BX09	**195**	**Capacity Load Code**		**O ID 1/1**
			Code specifying type of capacity load [2-09] Vehicle Fully Loaded (Capacity Load Status) (DG 10) ELEMENT CONDITION: Include if shipment is tendered as truckload.		
			F	Full Capacity [2-09] Full Capacity	
	BX10	**160**	**Status Report Request Code**		**O ID 1/1**
			Code used by the shipper to specify that an automatic status report is requested when the shipment is delivered [2-10] Defense Transportation Tracking System Reporting Qualifier (DG 10) Use of this element results in immediate Military Surface Deployment and Distribution Command (SDDC) processing for DTTS shipments. ELEMENT CONDITION: Include if the Defense Transportation Tracking System (DTTS) is required.		
			R	Automatic Status Report Requested [2-10] Automatic Status Report Requested	
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] Application Type (DG 10) Use the following migration code value to denote the DoD definition as		

indicated: ELEMENT CONDITION: Use when broker.	
21	Vessel Import Manifest (Canadian)
22	Vessel Export Manifest (Canadian)
23	Vessel In-Transit Manifest (Canadian)
24	Vessel Consignment Import Manifest (Canadian)
25	Vessel Consignment Export Manifest (Canadian)
26	Vessel Consignment In-Transit Manifest (Canadian)
27	Rail Import Manifest (Canadian)
28	Rail Export Manifest (Canadian)
29	Rail In-Transit Manifest (Canadian)
30	House Bill of Lading (Canada)
31	Re-Manifest Manifest (Canadian)
32	Abstract Bill of Lading (Canada)
33	Rail Consignment Import
34	Rail Consignment Export
35	Rail Consignment In-Transit
36	Rail Manifest
37	Highway Import
38	Highway Export
39	Highway In-Transit
40	Highway Consignment Import
41	Highway Consignment Export
42	Highway Consignment In-Transit
43	Air Import
44	Air Export
45	Air In-Transit
46	Air Consignment Import
47	Air Consignment Export
48	Air Consignment In-Transit
AN	Arrival Notice
AT	Appointment
BD	Financial Institution Account Statement
BF	New Code Added by IC
	[2-14] [Migration Code] Broker Files
BG	Government Bill of Lading
BH	Privately Owned Personal Property Bill of Lading
	A Government bill of lading used to request movement and storage services for Government sponsored personal property shipments
BL	Bill of Lading
BN	Booking
BR	Accounts Reconciliation
BT	Balance and Transaction Reporting
CD	Consolidator's Invoice
CF	Controlled Disbursement Funding
CI	Commercial Invoice
CL	Cash Letter
CO	Consolidation
DL	Deposit List
DO	Delivery Order
DT	Depository Transfer

EP	Electronic Presentments
FA	Full Account Reconciliation
FR	Freight Tender
	A tender of rates for services provided by a commercial carrier to move all classifications of Government freight other than personal property shipments
HR	Personal Property Tender
	A tender of rates offered by a carrier for the movement and/or storage of Government sponsored personal property shipments
IS	Transportation Control Movement Document (TCMD)
LB	Lockbox Summary
LS	Load Summary
LT	Load Tender - Truckload (TL) Carrier Only
	Used by a shipper to inform carrier that a particular load is available or becoming available for movement; also signifies an advance pick-up notification
MF	Manifest
PC	Partial Load Tender, Carrier Consolidate
PI	Pro Forma Invoice
PL	Paid List (All Debits)
PP	Point to Point Rate Application
PS	Partial Load Tender, Shipper Consolidate
R1	Simulation of Single Shipment Less Release Units (U.S. Department of Defense)
R2	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)
R4	Simulation of Multiple Level Consolidation (U.S. Department of Defense)
RD	Deposit Reconciliation
RO	Reassociation Report
RP	Partial Account Reconciliation
RQ	Simulation Single Shipment Release Unit (U.S. Department of Defense)
RR	Range Reconciliation
RS	Scale Rate Application
S1	Single Package Shipment Status
S2	Multiple Package Shipment Status
SI	Single Shipment Invoice
SL	Shipper's Letter of Instruction
	Used by a shipper to inform recipient of documentation requirements (completion, preparation, and distribution of paperwork) required for the movement of goods
SP	Multiple Shipment Invoice
SS	Single Shipment Status
T1	Single Shipment Less Release Units (U.S. Department of Defense)
T2	Consolidation of Vans, Trailers, or Pallets (U.S. Department of Defense)
T3	Consolidation of Packaging Containers (U.S. Department of Defense)
T4	Multiple Level Consolidation (U.S. Department of Defense)
TF	Trailer Forecast

TG	Government Guaranteed Traffic Tender
TM	Trailer Manifest
TQ	Single Shipment Release Unit (U.S. Department of Defense)
ZZ	Mutually Defined

Segment: **BNX** **Rail Shipment Information**
Position: 040
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit rail-specific shipment data
Syntax Notes:
Semantic Notes:
Comments:
Notes: [3] BNX SEGMENT - Shipment Weight and Billing (DG 10)
SEGMENT CONDITION: Use when weight and billing data are required.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	**BNX01**	**460**	**Shipment Weight Code**	**O**	**ID 1/1**
			Code indicating the way by which weights are obtained for a particular shipment		
			[3-01] Shipment Weight Code (DG 10)		
			A Shipper's Weight Agreement		
			[3-01] Shipper's Weight Agreement		
X	**BNX02**	**129**	**Referenced Pattern Identifier**	**O**	**AN 1/13**
>>	**BNX03**	**11**	**Billing Code**	**O**	**ID 1/1**
			Code indicating type of Bill		
			[3-03] Billing Code (DG 10)		
			S Single Shipment Billing		
			[3-03] Single Shipment Billing		
X	**BNX04**	**223**	**Repetitive Pattern Number**	**O**	**N0 5/5**

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:
[4] N9 SEGMENT - Transaction Content ID (DG 10)
SEGMENT CONDITION: Required for all shipments except by ocean.
[5] N9 SEGMENT - Route Order/Release No/Emergency Routings (DG 10)
SEGMENT CONDITION: Include this segment when moving a Tailored Transportation Contract (TTC) Traffic or SDDC routed shipment.
[6] N9 SEGMENT - Carrier Way/Freight Bill Number (DG 10)
SEGMENT CONDITION: Include this segment if the freight bill number is available.
[7] N9 SEGMENT - Authority Number (Contract/PO) (DG 10)
SEGMENT CONDITION: Use this segment if an authority number applies to the shipment.
[8] N9 SEGMENT - Service Agency Code (DG 10)
SEGMENT CONDITION: Use for Tailored Transportation Contract (TTC) Traffic only; not used for DLA. GFM will not cost DLA TTC shipments.
[9] N9 SEGMENT - Container TCN (DG 10)
SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.
[10] N9 SEGMENT - Container Transportation Tracking Number (TTN) (DG 10)
SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS when moving unit move cargo and Transportation Tracking Number is applicable.
[11] N9 SEGMENT - Carrier Booking Number (DG 10)
SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS - Direct Booking. Not used otherwise.
[12] N9 SEGMENT - Trade Route Number (DG 10)
SEGMENT CONDITION: Required for ocean shipments. Identifies the trade route a shipment was booked/moved on.
[13] N9 SEGMENT - Vessel Name (DG 10)
SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS - Direct Booking. Not used otherwise.
[14] N9 SEGMENT - Carrier Voyage Number (DG 10)
SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS.
[15] N9 SEGMENT - DTCI Coordinator Internal Order Number (DG 10)
SEGMENT CONDITION: Use for shipments with an internal order number assigned by the DTCI coordinator's transportation management system and provided in the EDI 220A response to the shipper.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N901**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification [4-01] Transaction Content ID Qualifier (DG 10) [5-01] Route Order/Release No/Emergency Routings Qualifier (DG 10) [6-01] Carrier Way/Freight Bill Number Qualifier (DG 10) [7-01] Authority Number (Contract/PO) Qualifier (DG 10) [8-01] Service Agency Code Qualifier (DG 10)	**M**	**ID 2/3**

[9-01] TCN for Each Container Qualifier (DG 10)
[10-01] Container Transportation Tracking Number (TTN) Qualifier (DG 10)
[11-01] Carrier Booking Number Qualifier (DG 10)
[12-01] Trade Route Number Qualifier (DG 10)
[13-01] Vessel Name Qualifier (DG 10)
[14-01] Carrier Voyage Number Qualifier (DG 10)
[15-01] DTCI Coordinator Internal Order Number Qualifier (DG 10)

18	Plan Number
	The unique identification number assigned for a defined contribution plan
	[10-01] Plan Number Use '18' to denote Container Transportation Tracking Number (TTN) Qualifier
ABS	Vessel Name
	[13-01] Vessel Name
BN	Booking Number
	[11-01] Booking Number
CB	Combined Shipment
	[15-01] Combined Shipment Use 'CB' to denote DTCI Coordinator Internal Order Number
CN	Carrier's Reference Number (PRO/Invoice)
	[6-01] Carrier's Reference Number (PRO/Invoice)
CT	Contract Number
	[7-01] Contract Number
FI	File Identifier
	[4-01] File Identifier
PO	Purchase Order Number
	[7-01] Purchase Order Number
RG	Route Order Number-Domestic
	[5-01] Route Order Number-Domestic
RH	Route Order Number-Export
	[5-01] Route Order Number-Export
RJ	Route Order Number-Emergency
	[5-01] Route Order Number-Emergency
RU	Route Number
	[12-01] Route Number
SV	Service Charge Number
	[8-01] Service Charge Number
TG	Transportation Control Number (TCN)
	[9-01] Transportation Control Number (TCN)
V3	Voyage Number
	[14-01] Voyage Number

>> 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

[4-02] Transaction Content ID (DG 10)
This data element identifies the application contents of the 858. The following DoD-unique codes should be used by all trading partners to identify the data content in the transaction set:
[5-02] Route Order/Release No/Emergency Routings (DG 10)
[6-02] Carrier Way/Freight Bill Number (DG 10)
[7-02] Authority Number (Contract/PO) (DG 10)
Movements under contracts need to reflect the subcontract number for ocean shipments.

[8-02] Service Agency Code (DG 10)
[9-02] TCN for Each Container (DG 10)
[10-02] Container Transportation Tracking Number (TTN) (DG 10)
[11-02] Carrier Booking Number (DG 10)
[12-02] Trade Route Number (DG 10)
[13-02] Vessel Name (DG 10)
Shippers should take great care in spelling vessel name correctly.
[14-02] Carrier Voyage Number (DG 10)
[15-02] DTCI Coordinator Internal Order Number (DG 10)
Enter the internal order number assigned by the DTCI coordinator's transportation management system and provided in the EDI 220A response to the shipper.

A	New Code Added by IC
	[8-02] Army
B	New Code Added by IC
	[8-02] Defense Mapping Agency
CI	New Code Added by IC
	[4-02] Cost Information
CR	New Code Added by IC
	[4-02] Cost Request
DC	New Code Added by IC
	[4-02] Doubtful Claim
F	New Code Added by IC
	[8-02] Air Force
M	New Code Added by IC
	[8-02] Marine Corps
N	New Code Added by IC
	[8-02] Navy
P	New Code Added by IC
	[8-02] Coast Guard
S	New Code Added by IC
	[8-02] Defense Logistics Agency
SC	New Code Added by IC
	[4-02] Shipment and Cost Information
SI	New Code Added by IC
	[4-02] Shipment Information
SM	New Code Added by IC
	[4-02] Supplemental Claim
SP	New Code Added by IC
	[4-02] Supplemental Bill
U	New Code Added by IC
	[8-02] GSA
W	New Code Added by IC
	[8-02] Army and AF Exchange
X	New Code Added by IC
	[8-02] Multi-Service
Y	New Code Added by IC
	[8-02] Non DoD - except Coast Guard

X	**N903**	**369**	**Free-form Description**	**X**	**AN 1/45**
	N904	**373**	**Date**	**O**	**DT 8/8**

Date expressed as CCYYMMDD
[6-04] Carrier Way/Freight Bill Date (DG 10)
[7-04] Authority Number (Contract/PO) Date (DG 10)

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

Segment: **Y7** **Priority**
Position: 080
Loop:
Level: Heading
Usage: Optional
Max Use: 1
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: [16] Y7 SEGMENT - Transportation Priority Code (DG 10)
SEGMENT CONDITION: Use this segment if Military Standard Requisitioning and Issue Procedures (MILSTRIP) apply.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
>>	**Y701**	**467**	**Priority**		**O**	**N0 1/1**
			Number indicating importance			
			[16-01] Transportation Priority Code (DG 10)			
			1	New Code Added by IC		
				[16-01] Level 1		
			2	New Code Added by IC		
				[16-01] Level 2		
			3	New Code Added by IC		
				[16-01] Level 3		
X	**Y702**	**470**	**Priority Code**		**X**	**N0 1/1**
X	**Y703**	**471**	**Priority Code Qualifier**		**X**	**AN 1/1**
X	**Y704**	**468**	**Port Call File Number**		**O**	**N0 4/4**
X	**Y705**	**373**	**Date**		**O**	**DT 8/8**

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: [17] C3 SEGMENT - Currency Code (DG 10)
SEGMENT CONDITION: This segment indicates the currency used for the bill of lading. 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 [17-01] Currency Code (DG 10) SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute	**M**	**ID 3/3**
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: **G62** **Date/Time**
Position: 110
Loop:
Level: Heading
Usage: Optional (Must Use)
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:
[18] G62 SEGMENT - Bill of Lading/Shipping Instruction Prepared Date (DG 10)
[19] G62 SEGMENT - Desired/Required Delivery (DG 10)
[20] G62 SEGMENT - Carrier's Pickup (DG 10)
SEGMENT CONDITION: Not required for ocean shipments. Required for all other shipment information transactions except advanced shipment notification.
[21] G62 SEGMENT - Date Shipped to POE (DG 10)
SEGMENT CONDITION: Use only for ocean shipments.
[22] G62 SEGMENT - Adjusted Date Shipped to POE (DG 10)
SEGMENT CONDITION: Use only for ocean shipment.
[23] G62 SEGMENT - Delivery (DG 10)
SEGMENT CONDITION: Use segment when date of delivery is available.
[24] G62 SEGMENT - Sailing Date (DG 10)
SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**G6201**	**432**	**Date Qualifier** Code specifying type of date [18-01] Date Bill of Lading/Shipping Instruction Prepared Date Qualifier (DG 10) [19-01] Desired/Required Delivery Date Qualifier (DG 10) This qualifier must appear if desired/required delivery date is used. Under applicable ocean contracts, the Contract Delivery Date will take precedence over the Required Delivery Date. Code '67' used only for Defense Transportation Coordination Initiative (DTCI) shipments. [20-01] Carrier's Pickup Date Qualifier (DG 10) SDDC will accept only code value '86' from shippers. [21-01] Date Shipped to POE Qualifier (DG 10) [22-01] Adjusted Date Shipped to POE Qualifier (DG 10) [23-01] Date of Delivery Qualifier (DG 10) [24-01] Sailing Date Qualifier (DG 10)	**X ID 2/2**
			05 Sailing Date [24-01] Sailing Date	
			10 Requested Ship Date/Pick-up Date [21-01] Requested Ship Date/Pick-up Date	
			35 Delivered on This Date [23-01] Delivered on This Date	
			54 Deliver No Later Than Date [19-01] Deliver No Later Than Date Use '54' to denote Required Delivery Date	
			67 Delivered By This Date [19-01] Delivered By This Date Use '67' to denote Mandatory Delivery Date	
			68 Requested Delivery Date	

				[19-01] Requested Delivery Date Use '68' to denote Desired Delivery Date		
			76	Bill of Lading		
				[18-01] Bill of Lading		
			86	Actual Pickup Date		
				[20-01] Actual Pickup Date		
			BB	Transaction Control Date		
				The date when a transaction was prepared		
				[22-01] Transaction Control Date		
>>	**G6202**	**373**	**Date**		**X**	**DT 8/8**
			Date expressed as CCYYMMDD			
			[18-02] Date Bill of Lading/Shipping Instruction Prepared Date (DG 10) The date on which the bill of lading was printed at the origin installation. [19-02] Desired/Required Delivery Date (DG 10) [20-02] Carrier's Pickup Date (DG 10) [21-02] Date Shipped to POE (DG 10) [22-02] Adjusted Date Shipped to POE (DG 10) [23-02] Date of Delivery (DG 10) [24-02] Sailing Date (DG 10)			
>>	**G6203**	**176**	**Time Qualifier**		**X**	**ID 1/2**
			Code specifying the reported time			
			[20-03] Carrier's Pickup Time Qualifier (DG 10) ELEMENT CONDITION: This element is required for Defense Transportation Tracking System (DTTS) shipments. [22-03] Adjusted Time Shipped to POE Qualifier (DG 10)			
			0	Original Transaction		
				[20-03] Original Transaction		
			1	Must Respond By		
				[20-03] Must Respond By		
			2	Pickup Appointment Scheduled Time		
				[20-03] Pickup Appointment Scheduled Time		
			3	Delivery Appointment Scheduled Time		
				[20-03] Delivery Appointment Scheduled Time		
			4	Pickup Requested Scheduled Time		
				[20-03] Pickup Requested Scheduled Time		
			5	Delivery Requested Scheduled Time		
				[20-03] Delivery Requested Scheduled Time		
			6	Pickup Appointment Granted Time		
				[20-03] Pickup Appointment Granted Time		
			7	Delivery Appointment Granted Time		
				[20-03] Delivery Appointment Granted Time		
			8	Actual Pickup Time		
				[20-03] Actual Pickup Time		
			9	Actual Delivery Time		
				[20-03] Actual Delivery Time		
			A	Actual Departure Time		
				[20-03] Actual Departure Time		
			B	Released		
				[20-03] Released		
			C	Constructive Placement		
				[20-03] Constructive Placement		
			CB	Beginning of Customer Plant Shutdown		
				[20-03] Beginning of Customer Plant Shutdown		

CE	Ending of Customer Plant Shutdown
	[20-03] Ending of Customer Plant Shutdown
D	Estimated Departure Time
	[20-03] Estimated Departure Time
E	Estimated Arrival Time
	[20-03] Estimated Arrival Time
ED	Earliest Delivery Time
	[20-03] Earliest Delivery Time
EP	Earliest Pickup Time
	[20-03] Earliest Pickup Time
F	Actual Unloading Completed
	[20-03] Actual Unloading Completed
G	Earliest Requested Deliver Time
	[20-03] Earliest Requested Deliver Time
H	Customs Release
	[20-03] Customs Release
I	Earliest Requested Pick Up Time
	[20-03] Earliest Requested Pick Up Time
J	Duty Paid
	[20-03] Duty Paid
K	Latest Requested Pick Up Time
	[20-03] Latest Requested Pick Up Time
L	Latest Requested Delivery Time
	[20-03] Latest Requested Delivery Time
LD	Latest Delivery Time
	[20-03] Latest Delivery Time
LP	Latest Pickup Time
	[20-03] Latest Pickup Time
M	Charged From
	[20-03] Charged From
N	Notified
	[20-03] Notified
O	Charged To
	[20-03] Charged To
P	Actual Placement
	[20-03] Actual Placement
Q	Ordered
	[20-03] Ordered
R	Actual Arrival Time
	[20-03] Actual Arrival Time
S	Scheduled Departure Time
	[20-03] Scheduled Departure Time
T	Scheduled Arrival Time
	[20-03] Scheduled Arrival Time
U	Scheduled Pick Up Time
	[20-03] Scheduled Pick Up Time
V	Actual Unloading Started
	[20-03] Actual Unloading Started
W	Effective Time
	[20-03] Effective Time [22-03] Effective Time

			X	Scheduled Delivery Time [20-03] Scheduled Delivery Time	
			Y	Requested Pick Up Time [20-03] Requested Pick Up Time	
			Z	Requested Delivery Time [20-03] Requested Delivery Time	
>>	**G6204**	**337**	**Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) [20-04] Carrier's Pickup Time (DG 10) Use format HHMM. ELEMENT CONDITION: This element is required for DTTS shipments. [22-04] Adjusted Time Shipped to POE (DG 10) Use format HHMMSS.	**X**	**TM 4/8**
>>	**G6205**	**623**	**Time Code** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow [20-05] Time Zone Indicator (DG 10) If DTTS shipment, this segment occurs twice; once with code value 'LT' for local time and once with 'GM' for Greenwich time. If shipment is other than DTTS, use 'LT' local time only. Repeat G6201 and G6202 for both occurrences of the segment. SOURCE: ISO 8601 available from American National Standards Institute [22-05] Adjusted Time Code (DG 10) SOURCE: ISO 8601 available from American National Standards Institute	**O**	**ID 2/2**
			GM	Greenwich Mean Time [20-05] Greenwich Mean Time	
			LT	Local Time [20-05] Local Time [22-05] Local Time	

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: [25] PER SEGMENT - Shipment Contact (DG 10)
SEGMENT CONDITION: Use segment when telephone contact may be required with person receiving shipment.
[26] PER SEGMENT - Emergency Response Telephone No. (DG 10)
SEGMENT CONDITION: Use segment when shipment requires an emergency telephone contact.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**PER01**	**366**	**Contact Function Code**		**M**	**ID 2/2**
			Code identifying the major duty or responsibility of the person or group named			
			[25-01] Shipment Contact Qualifier (DG 10) [26-01] Emergency Response Telephone No. Function Code (DG 10)			
			EF	Emergency Contact-Military Traffic Management Command (MTMC)		
				[26-01] Emergency Contact-Military Traffic Management Command (MTMC) Use 'EF' to denote Emergency Contact - Military Surface Deployment and Distribution Command (SDDC)		
			IC	Information Contact		
				[25-01] Information Contact		
X	**PER02**	**93**	**Name**		**O**	**AN 1/60**
>>	**PER03**	**365**	**Communication Number Qualifier**		**X**	**ID 2/2**
			Code identifying the type of communication number			
			[25-03] Shipment Contact Qualifier (DG 10) [26-03] Emergency Response Telephone No. Qualifier (DG 10)			
			AU	Defense Switched Network		
				Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)		
				[25-03] Defense Switched Network [26-03] Defense Switched Network		
			FT	Federal Telecommunications System (FTS)		
				[25-03] Federal Telecommunications System (FTS)		
			IT	International Telephone		
				[26-03] International Telephone		
			TE	Telephone		
				[25-03] Telephone [26-03] Telephone		
>>	**PER04**	**364**	**Communication Number**		**X**	**AN 1/80**
			Complete communications number including country or area code when applicable			
			[25-04] Shipment Contact Telephone No. (DG 10) Telephone number of shipment POC.			

			[26-04] Emergency Response Telephone No. (DG 10)		
X	**PER05**	**365**	**Communication Number Qualifier**	**X**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**PER06**	**364**	**Communication Number**	**X**	**AN 1/80**
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: **F9** **Origin Station**
Position: 140
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify the rail origin of the shipment
Syntax Notes:
Semantic Notes:
1 F902 is the origin station for movement.
2 F904 is the country code for the city named in the F902.
3 F905 is the freight station accounting code of the origin junction settlement carrier.
4 F908 is the Standard Point Location Code (SPLC) for the city named in the F902.
5 F909 is the postal code for the city named in the F902.
6 F910 is the Standard Point Location Code (SPLC) for the city named in the F906.
7 F911 is the postal code for the city named in the F906.
8 F912 is the country code for the city named in the F906.
Comments:
1 F905 is the freight station accounting code of the city named in F906.
Notes:
[27] F9 SEGMENT - Originating Railroad Station (DG 72)
SEGMENT CONDITION: Use to designate origination railroad station as applicable.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
X	**F901**	**573**	**Freight Station Accounting Code**	**O**	**ID 1/5**
M	**F902**	**19**	**City Name**	**M**	**AN 2/30**
			Free-form text for city name		
			[27-02] Originating Railroad Station (DG 72) Name of railroad station where shipment originated.		
M	**F903**	**156**	**State or Province Code**	**M**	**ID 2/2**
			Code (Standard State/Province) as defined by appropriate government agency		
			[27-03] State of Originating Railroad Station (DG 72) SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center		
X	**F904**	**26**	**Country Code**	**O**	**ID 2/3**
X	**F905**	**573**	**Freight Station Accounting Code**	**O**	**ID 1/5**
X	**F906**	**19**	**City Name**	**O**	**AN 2/30**
X	**F907**	**156**	**State or Province Code**	**O**	**ID 2/2**
	F908	**154**	**Standard Point Location Code**	**O**	**ID 6/9**
			Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city		
			[27-08] SPLC of Originating Railroad Station (DG 72) SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc.		
X	**F909**	**116**	**Postal Code**	**O**	**ID 3/15**
X	**F910**	**154**	**Standard Point Location Code**	**O**	**ID 6/9**
X	**F911**	**116**	**Postal Code**	**O**	**ID 3/15**
X	**F912**	**26**	**Country Code**	**O**	**ID 2/3**

Segment: **D9** **Destination Station**
Position: 150
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify the rail destination of the shipment
Syntax Notes:
Semantic Notes:
1 D902 is the destination station of movement.
2 D904 is the country code for the city named in the D902.
3 D905 is the freight station accounting code of the destination junction settlement carrier.
4 D908 is the Standard Point Location Code (SPLC) for the city named in the D902.
5 D909 is the postal code for the city names in the D902.
6 D910 is the Standard Point Location Code (SPLC) for the city named in the D906.
7 D911 is the postal code for the city named in the D906.
8 D912 is the country code for the city named in the D906.
Comments:
1 D905 is the freight station accounting code of the city name in D906.
Notes: [28] D9 SEGMENT - Destination Railroad Station (DG 71)
SEGMENT CONDITION: Use to designate destination railroad station as applicable.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
X	**D901**	**573**	**Freight Station Accounting Code**	**O**	**ID 1/5**
M	**D902**	**19**	**City Name**	**M**	**AN 2/30**
			Free-form text for city name		
			[28-02] Destination Railroad Station (DG 71) Name of railroad station where shipment will terminate.		
M	**D903**	**156**	**State or Province Code**	**M**	**ID 2/2**
			Code (Standard State/Province) as defined by appropriate government agency		
			[28-03] State of Destination Railroad Station (DG 71) SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center		
X	**D904**	**26**	**Country Code**	**O**	**ID 2/3**
X	**D905**	**573**	**Freight Station Accounting Code**	**O**	**ID 1/5**
X	**D906**	**19**	**City Name**	**O**	**AN 2/30**
X	**D907**	**156**	**State or Province Code**	**O**	**ID 2/2**
	D908	**154**	**Standard Point Location Code**	**O**	**ID 6/9**
			Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city		
			[28-08] SPLC of Destination Railroad Station (DG 71) SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc.		
X	**D909**	**116**	**Postal Code**	**O**	**ID 3/15**
X	**D910**	**154**	**Standard Point Location Code**	**O**	**ID 6/9**
X	**D911**	**116**	**Postal Code**	**O**	**ID 3/15**
X	**D912**	**26**	**Country Code**	**O**	**ID 2/3**

Segment: **R2** **Route Information**
Position: 170
Loop:
Level: Heading
Usage: Optional
Max Use: 13
Purpose: To specify carrier and routing sequences and details
Syntax Notes: **1** If R208 is present, then R207 is required.
Semantic Notes: **1** R203 is the station or city name at which carriers interchange shipments.
2 R210 is the billing date.
Comments:
Notes: [29] R2 SEGMENT - Interline or DTCI Carrier (DG 10)
SEGMENT CONDITION: For non-Defense Transportation Coordination Initiative (DTCI) shipments use this segment if interline carriers are used during shipment. However, shipper systems are not required to provide Interline Carrier Routing information for rail movements. For DTCI shipments, use this segment to identify the carrier to whom the DTCI coordinator has assigned the shipment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**R201**	**140**	**Standard Carrier Alpha Code** Standard Carrier Alpha Code [29-01] Via (Routing) SCAC (DG 10) For non-DTCI shipments enter SCAC of interline and destination carrier(s) in sequence after origin carrier. The origin carrier should not be included in an interline list. For DTCI shipments, enter the SCAC of the carrier to whom the DTCI coordinator assigned the shipment. SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	**M ID 2/4**
M	**R202**	**133**	**Routing Sequence Code** Code describing the relationship of a carrier to a specific shipment movement [29-02] Via (Routing) SCAC Qualifier (DG 10) Use 'B' for DTCI shipments to indicate the carrier the DTCI coordinator assigned to the shipment..	**M ID 1/2**

1	1st Carrier after Origin Carrier
	[29-02] 1st Carrier after Origin Carrier
2	2nd Carrier after Origin Carrier
	[29-02] 2nd Carrier after Origin Carrier
3	3rd Carrier after Origin Carrier
	[29-02] 3rd Carrier after Origin Carrier
4	4th Carrier after Origin Carrier
	[29-02] 4th Carrier after Origin Carrier
5	5th Carrier after Origin Carrier
	[29-02] 5th Carrier after Origin Carrier
A	Origin Carrier, Agent's Routing (Rail)
	[29-02] Origin Carrier, Agent's Routing (Rail)
B	Origin/Delivery Carrier (Any Mode)
	[29-02] Origin/Delivery Carrier (Any Mode)
D	DELY (Delivery Switch Carrier)
	[29-02] DELY (Delivery Switch Carrier)
H	Haulage Rights Carrier and Junction
	[29-02] Haulage Rights Carrier and Junction
I	Origin Switch Carrier

			[29-02] Origin Switch Carrier		
			M Haulage Movement Carrier and Junction		
			[29-02] Haulage Movement Carrier and Junction		
			O Origin Carrier (Air, Motor, or Ocean)		
			[29-02] Origin Carrier (Air, Motor, or Ocean)		
			R Origin Carrier, Rule 11 Shipment		
			[29-02] Origin Carrier, Rule 11 Shipment		
			S Origin Carrier, Shipper's Routing (Rail)		
			[29-02] Origin Carrier, Shipper's Routing (Rail)		
			V Intermediate Switch Carrier		
			[29-02] Intermediate Switch Carrier		
			Z Mutually Defined		
			[29-02] Mutually Defined		
	R203	**19**	**City Name**	**O**	**AN 2/30**
			Free-form text for city name		
			[29-03] Via (Routing) Location (DG 10)		
	R204	**154**	**Standard Point Location Code**	**O**	**ID 6/9**
			Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city		
			[29-04] Via (Routing) SPLC (DG 10) SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc.		
X	**R205**	**177**	**Intermodal Service Code**	**O**	**ID 1/2**
X	**R206**	**91**	**Transportation Method/Type Code**	**O**	**ID 1/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**R207**	**296**	**Intermediate Switch Carrier**	**X**	**ID 2/4**
X	**R208**	**296**	**Intermediate Switch Carrier**	**O**	**ID 2/4**
X	**R209**	**76**	**Invoice Number**	**O**	**AN 1/22**
X	**R210**	**373**	**Date**	**O**	**DT 8/8**
X	**R211**	**369**	**Free-form Description**	**O**	**AN 1/45**
X	**R212**	**56**	**Type of Service Code**	**O**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**R213**	**742**	**Route Description**	**O**	**AN 1/35**

Segment: **R4** **Port or Terminal**
Position: 180
Loop:
Level: Heading
Usage: Optional
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: [30] R4 SEGMENT - POE (DG 10)
SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.
[31] R4 SEGMENT - POD (DG 10)
SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**R401**	**115**	**Port or Terminal Function Code**	**M**	**ID 1/1**
			Code defining function performed at the port or terminal with respect to a shipment		
			[30-01] Port or Terminal Function Code (DG 10) [31-01] Port or Terminal Function Code (DG 10)		
			D Port of Discharge (Operational) Port at which cargo is unloaded from vessel [31-01] Port of Discharge (Operational)		
			L Port of Loading (Operational) Port at which cargo is loaded on vessel [30-01] Port of Loading (Operational)		
>>	**R402**	**309**	**Location Qualifier**	**X**	**ID 1/2**
			Code identifying type of location		
			[30-02] Location Qualifier (DG 10) SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) [31-02] Location Qualifier (DG 10) SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)		
			IM Military Standard Movement Procedures (MILSTAMP) [30-02] Military Standard Movement Procedures (MILSTAMP) [31-02] Military Standard Movement Procedures (MILSTAMP)		
	R403	**310**	**Location Identifier**	**X**	**AN 1/30**
			Code which identifies a specific location		
			[30-03] POE (DG 10) [31-03] POD (DG 10)		
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: **H3** **Special Handling Instructions**
Position: 200
Loop:
Level: Heading
Usage: Optional
Max Use: 20
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: [32] H3 SEGMENT - Accessorial/Protective Service (DG 10)
SEGMENT CONDITION: Use if shipper orders accessorial services from the carrier. Use also if the Defense Transportation Tracking System (DTTS) is required.
[33] H3 SEGMENT - Actual Surveillance Service and Requesting Party (DG 10)
SEGMENT CONDITION: Use this segment when ordering surveillance services.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	**H301**	**152**	**Special Handling Code** Code specifying special transportation handling instructions [32-01] Accessorial/Protective Service Ordered Identifier (DG 10) Order accessorial services with this data element. To order accessorial services, the carrier industry requires the use of the H3 segment. This code also appears in the HL Accessorial/Protective Service (formerly LX 300) loop which is used to cost accessorial services. Do not use this element to order surveillance services; use the next occurrence of the H3 segment. See Section 6.0 for valid code list. SOURCE: Reference Section 6.0 of this IC beginning at page 6.14 for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments,Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: 045,495,500,AAM,AAS 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 [33-02] Actual Surveillance Service and Requesting Party (DG 10) Use this data element for requesting Surveillance Services only. See H301 for the applicable code values to enter in this data element. Do not use this data element to order accessorial services. Rather, use the H301 data element in a separate occurrence of the H3 segment for non-surveillance services. Provide the military service code to indicate the requesting party. Military service codes are: A = Army, N = Navy, F = Air Force, M = Marine Corps, P = Coast guard, and S = Defense Logistics Agency. Use a comma for the sub element delimiter between the actual service code and the requesting party.	**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: **E1** **Empty Car Disposition - Pended Destination Consignee**
Position: 220
Loop: E1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify the party receiving the empty car
Syntax Notes: **1** If either E102 or E103 is present, then the other is required.
Semantic Notes:
Comments:
Notes: [34] E1 SEGMENT - Receiving Party For Empty Railcar (DG 10)
LOOP CONDITION: Use when shipment employs an empty railcar.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**E101**	**459**	**Name (30 Character Format)**	**M**	**AN 2/30**
			Free-form organization name or official title as it should appear for mailing address		
			[34-01] Name of Receiving Party For Empty Railcar (DG 10) From the bill of lading continuation page.		
X	**E102**	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**E103**	**67**	**Identification Code**	**X**	**AN 2/80**

Segment: **E4** **Empty Car Disposition - Pended Destination City**
Position: 230
Loop: E1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of named party receiving the empty car
Syntax Notes:
Semantic Notes:
Comments:
Notes: [35] E4 SEGMENT - City for Receiving Empty Railcar (DG 10)
SEGMENT CONDITION: Use when shipment employs an empty railcar.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**E401**	**19**	**City Name**	**M**	**AN 2/30**
			Free-form text for city name		
			[35-01] City for Receiving Empty Railcar (DG 10) From the bill of lading continuation page.		
M	**E402**	**156**	**State or Province Code**	**M**	**ID 2/2**
			Code (Standard State/Province) as defined by appropriate government agency		
			[35-02] State for Receiving Empty Railcar (DG 10) From the bill of lading continuation page. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center		
X	**E403**	**116**	**Postal Code**	**O**	**ID 3/15**
X	**E404**	**26**	**Country Code**	**O**	**ID 2/3**

Segment: **E5** **Empty Car Disposition - Pended Destination Route**
Position: 240
Loop: E1 Optional
Level: Heading
Usage: Optional
Max Use: 13
Purpose: To specify the routing of the empty car
Syntax Notes:
Semantic Notes:
Comments:
Notes: [36] E5 SEGMENT - Routing SCAC (DG 10)
SEGMENT CONDITION: Use if SCAC is applicable.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**E501**	**140**	**Standard Carrier Alpha Code**	**M**	**ID 2/4**
			Standard Carrier Alpha Code		
			[36-01] Routing SCAC for Empty Railcar (DG 10) From the bill of lading continuation page. SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.		
M	**E502**	**133**	**Routing Sequence Code**	**M**	**ID 1/2**
			Code describing the relationship of a carrier to a specific shipment movement		
			[36-02] Routing SCAC Sequence Number (DG 10) From the bill of lading continuation page.		
			1 1st Carrier after Origin Carrier		
			[36-02] 1st Carrier after Origin Carrier		
			2 2nd Carrier after Origin Carrier		
			[36-02] 2nd Carrier after Origin Carrier		
			3 3rd Carrier after Origin Carrier		
			[36-02] 3rd Carrier after Origin Carrier		
			4 4th Carrier after Origin Carrier		
			[36-02] 4th Carrier after Origin Carrier		
			5 5th Carrier after Origin Carrier		
			[36-02] 5th Carrier after Origin Carrier		
X	**E503**	**19**	**City Name**	**O**	**AN 2/30**
X	**E504**	**154**	**Standard Point Location Code**	**O**	**ID 6/9**

Segment: **L7** **Tariff Reference**
Position: 270
Loop:
Level: Heading
Usage: Optional
Max Use: 30
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: [37] L7 SEGMENT - Tariff Distance (DG 10)
SEGMENT CONDITION: Required for all modes except ocean. When used, there are different rules for CONUS and OCONUS mileages. This segment may be repeated up to two times (one for CONUS, the other for OCONUS).

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**
X	**L703**	**171**	**Tariff Number**	**O**	**AN 1/7**
X	**L704**	**172**	**Tariff Section**	**O**	**AN 1/2**
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**
>>	**L713**	**294**	**Tariff Distance**	**O**	**N0 1/5**
			Distance on which the rate for a shipment is based		
			[37-13] Tariff Distance (mileage) (DG 10) Mileage used for rating shipment.		
>>	**L714**	**295**	**Distance Qualifier**	**O**	**ID 1/1**
			Code identifying the distance unit		
			[37-14] Distance (mileage) Qualifier (DG 10)		
			M Miles (Actual)		
			[37-14] Miles (Actual) Use 'M' to denote CONUS mileage (used for ocean shipments only)		
			T Tariff Miles		
			[37-14] Tariff Miles Use 'T' to denote OCONUS mileage		
X	**L715**	**19**	**City Name**	**O**	**AN 2/30**
X	**L716**	**156**	**State or Province Code**	**O**	**ID 2/2**

Segment: **NTE** **Note/Special Instruction**
Position: 280
Loop:
Level: Heading
Usage: Optional
Max Use: 50
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: [38] NTE SEGMENT - Change Notice (DG 10)
SEGMENT CONDITION: Use when Change Notice applies.
[39] NTE SEGMENT - Routing Instruction Note (DG 10)
SEGMENT CONDITION: Use when routing instruction note applies.
[40] NTE SEGMENT - Load Use (DG 10)
SEGMENT CONDITION: Use for Defense Transportation Tracking System (DTTS) shipments.
[41] NTE SEGMENT - DoD Classification Instructions (DG 10)
SEGMENT CONDITION: Use for Defense Transportation Tracking System (DTTS) shipments.
[42] NTE SEGMENT - Shipper Instructions (DG 10)
SEGMENT CONDITION: Use when additional shipper instructions apply for ocean shipments.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
>>	**NTE01**	**363**	**Note Reference Code**		**O ID 3/3**
			Code identifying the functional area or purpose for which the note applies [38-01] Change Notice Qualifier (DG 10) [39-01] Routing Instruction Note (RIN) Code Qualifier (DG 10) [40-01] Load Use Qualifier (DG 10) [41-01] DoD Classification Instructions Qualifier (DG 10) Use to denote the highest security classification of an item within the shipment (i.e. the highest classified Controlled Inventory Item Code (CIIC) within the shipment). [42-01] Shipper Instructions Code (DG 10)		
			ADD	Additional Information	
				[42-01] Additional Information Use 'ADD' to denote Shipper Instructions to the Consignee or to the Carrier	
			CHG	Change	
				[38-01] Change	
			CLR	Security Clearance Instructions	
				Used to describe the level of security clearance required for individuals viewing information [41-01] Security Clearance Instructions Use 'CLR' to denote Emergency Contact - Military Surface Deployment and Distribution Command (SDDC)	
			INT	General Order Instructions	
				[39-01] General Order Instructions	
			LOI	Loading Instructions	
				[40-01] Loading Instructions	
M	**NTE02**	**352**	**Description**		**M AN 1/80**

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

[38-02] Change Notice (DG 10)
Identifies the kind of change (correction) to the bill of lading.
SOURCE: Reference Section 5.0 (DTEB Freight Bill of Lading Shipment Information Implementation Convention) for a description of the indicator code positions and an example of a populated indicator string.
[39-02] Routing Instruction Note (RIN) Code (DG 10)
SOURCE: USTRANSCOM J5-PT
[40-02] Load Use Instructions (DG 10)
[41-02] DoD Classification Instructions (DG 10)
[42-02] Shipper Instructions (DG 10)
Enter text information from the paper bill of lading.

C	New Code Added by IC
	[41-02] Confidential
EXCLUSIVE	New Code Added by IC
	[40-02]
NONEXCLUSIVE	
	New Code Added by IC
	[40-02]
S	New Code Added by IC
	[41-02] Secret
U	New Code Added by IC
	[41-02] Unclassified

Segment: **N7** **Equipment Details**
Position: 330
Loop: N7 Optional
Level: Heading
Usage: Optional
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: [43] N7 SEGMENT - Primary Equipment Furnished (DG 60) Use as many N7 loops as required to identify equipment furnished.
LOOP CONDITION: For ocean shipments, this information is needed to facilitate Customs clearance. If the bill of lading is for movements using motor, rail, or bulk fuel conveyances, DG 60 must appear.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
	N701	**206**	**Equipment Initial** Prefix or alphabetic part of an equipment unit's identifying number [43-01] Primary Equipment Initials (DG 60) For rail shipments, this data element is MANDATORY; it carries the equipment prefix used to describe railcars, trailers, and containers. For motor and air shipments, if the value in N702 is other than 'NONE', or the equipment initials are not available, use the SCAC. Primary equipment is that equipment ordered by the shipper from the carrier. That equipment type ordered, or its equivalent, is furnished by the carrier and used in the transportation of the shipment. The shipper pays only for the primary equipment ordered. For ocean shipments, use the initials on the container (never the carrier SCAC). ELEMENT CONDITION: For rail shipments, this data element is MANDATORY; it carries the equipment prefix used to describe railcars, trailers, and containers. SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association	**O**	**AN 1/4**
M	**N702**	**207**	**Equipment Number** Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) [43-02] Primary Equipment Numbers (DG 60) For rail shipments, this data element carries the serial number of the railcars, trailers, and containers. For motor and air shipments, if specific equipment is not ordered, carry the word 'NONE' in this data element.	**M**	**AN 1/10**
	N703	**81**	**Weight** Numeric value of weight [43-03] Weight Capacity Primary Equipment Furnished (DG 60) Express in 1000 LB units. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	**X**	**R 1/10**
	N704	**187**	**Weight Qualifier** Code defining the type of weight [43-04] Weight Capacity Primary Equipment Furnished Qualifier (DG 60) ELEMENT CONDITION: Required if N705 is used. N Actual Net Weight	**X**	**ID 1/2**

			[43-04] Actual Net Weight		
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		
			[43-08] Cube Capacity Primary Equipment Furnished (DG 60) ELEMENT CONDITION: Include if the carrier provides equipment different than that which was ordered, or if reporting the internal cube of a container.		
	N709	**184**	**Volume Unit Qualifier**	**X**	**ID 1/1**
			Code identifying the volume unit		
			[43-09] Cube Capacity Primary Equipment Furnished Qualifier (DG 60) ELEMENT CONDITION: This qualifier must appear if cube capacity carrier equipment furnished is used.		
			E Cubic Feet		
			[43-09] Cubic Feet		
X	**N710**	**102**	**Ownership Code**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**N711**	**40**	**Equipment Description Code**	**O**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**N712**	**140**	**Standard Carrier Alpha Code**	**O**	**ID 2/4**
	N713	**319**	**Temperature Control**	**O**	**AN 3/6**
			Free-form abbreviation of temperature range or flash-point temperature		
			[43-13] Temperature Control (DG 60) Use to specify temperature setting for reefer shipments. For ocean shipments indicate minimum and maximum temperature.		
X	**N714**	**219**	**Position**	**O**	**AN 1/3**
	N715	**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)		
			[43-15] Length Capacity Primary Equipment Furnished (DG 60) ELEMENT CONDITION: Include if the carrier provides equipment different than that which was ordered.		
X	**N716**	**571**	**Tare Qualifier Code**	**X**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**N717**	**188**	**Weight Unit Code**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**N718**	**761**	**Equipment Number Check Digit**	**O**	**N0 1/1**
X	**N719**	**56**	**Type of Service Code**	**O**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**N720**	**65**	**Height**	**O**	**R 1/8**
X	**N721**	**189**	**Width**	**O**	**R 1/8**
>>	**N722**	**24**	**Equipment Type**	**O**	**ID 4/4**
			Code identifying equipment type		
			[43-22] Type of Equipment Furnished (DG 60) SOURCE: Reference Section 6.0 of this IC for code values using applicable Air, Containers, Motor and TOFC (Dimensions are Outside Dimensions), Other Methods, Rail, and Water tables. Sample Values: QQ,QU,SS,TT		
X	**N723**	**140**	**Standard Carrier Alpha Code**	**O**	**ID 2/4**
X	**N724**	**301**	**Car Type Code**	**O**	**ID 1/4**

Segment: **EM** **Equipment Characteristics**
Position: 331
Loop: N7 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To send additional information regarding a specific piece of equipment
Syntax Notes:
1 If EM02 is present, then EM01 is required.
2 If EM04 is present, then EM03 is required.
Semantic Notes:
1 EM02 is the maximum load weight.
2 EM04 is the maximum load volume.
3 EM05 is the country of manufacture.
4 EM07 is the last inspection date for convention of safe container.
Comments:
Notes: [44] EM SEGMENT - Date Primary Equipment Furnished (DG 60)
SEGMENT CONDITION: Use if equipment was furnished (for the current N7 loop).

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
X	**EM01**	**188**	**Weight Unit Code**	**X**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**EM02**	**81**	**Weight**	**O**	**R 1/10**
X	**EM03**	**184**	**Volume Unit Qualifier**	**X**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**EM04**	**183**	**Volume**	**O**	**R 1/8**
X	**EM05**	**26**	**Country Code**	**O**	**ID 2/3**
X	**EM06**	**1429**	**Construction Type**	**O**	**ID 1/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
>>	**EM07**	**373**	**Date**	**O**	**DT 8/8**
			Date expressed as CCYYMMDD		
			[44-07] Date (DG 60) Enter date that equipment was furnished for the current N7 loop.		

Segment: **NA** **Cross-Reference Equipment**
Position: 335
Loop: N7 Optional
Level: Heading
Usage: Optional
Max Use: 30
Purpose: To cross-reference additional equipment to a primary piece of equipment
Syntax Notes:
1 If NA01 is present, then NA02 is required.
Semantic Notes:
1 NA07 is the owner's Standard Carrier Alpha Code (SCAC) code.
2 NA11 indicates the equipment damage status. A "Y" indicates equipment is damaged; an "N" indicates equipment is not damaged.
Comments:
1 NA03 contains the equipment initial of an associated shipment and is required by rail. If unknown, use NONZ for van or NONU for container.
2 NA04 contains the equipment number of an associated shipment.
3 NA09 is the Standard Carrier Alpha Code (SCAC) code of the operator of the equipment.
Notes: [45] NA SEGMENT - Secondary Equipment Furnished (DG 60)
SEGMENT CONDITION: Required if use of secondary equipment applies.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
X	**NA01**	**128**	**Reference Identification Qualifier**	**O**	**ID 2/3**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**NA02**	**127**	**Reference Identification**	**X**	**AN 1/30**
M	**NA03**	**206**	**Equipment Initial**	**M**	**AN 1/4**
			Prefix or alphabetic part of an equipment unit's identifying number		
			[45-03] Secondary Equipment Initials (DG 60) For rail Trailer on Flatcar/Container on Flatcar (TOFC/COFC) shipments, this data element carries the equipment initials of the flatcar used to convey the trailer/container (primary equipment ordered). When the shipper orders a trailer/container, the carrier supplies a flatcar to convey the trailer/container (primary equipment). The trailer is considered secondary equipment. The shipper incurs no cost for the use of secondary equipment. SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association		
M	**NA04**	**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)		
			[45-04] Secondary Equipment Numbers (DG 60) For rail Trailer on Flatcar/Container on Flatcar (TOFC/COFC) shipments, this data element carries the equipment serial number of the flatcar used to convey the trailer/container (primary equipment ordered). When the shipper orders a trailer/container, the carrier supplies a flatcar to convey the trailer/container (primary equipment). The trailer is considered secondary equipment. The shipper incurs no cost for the use of secondary equipment. If a number is not available, send value 'xxxx' per shipper's instructions.		
	NA05	**231**	**Cross Reference Type Code**	**O**	**ID 1/1**
			Code defining relationship of equipment to equipment cross-referenced		
			[45-05] Cross Reference Type Code (DG 60) ELEMENT CONDITION: Use to further identify secondary equipment when shipment is by rail.		
			F Conveying Flat Car		
			[45-05] Conveying Flat Car		
X	**NA06**	**219**	**Position**	**O**	**AN 1/3**
X	**NA07**	**140**	**Standard Carrier Alpha Code**	**O**	**ID 2/4**
X	**NA08**	**567**	**Equipment Length**	**O**	**N0 4/5**

X	**NA09**	**140**	**Standard Carrier Alpha Code**	**O**	**ID 2/4**
X	**NA10**	**845**	**Chassis Type**	**O**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**NA11**	**1073**	**Yes/No Condition or Response Code**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		

Segment: **M7** **Seal Numbers**
Position: 340
Loop: N7 Optional
Level: Heading
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: [46] M7 SEGMENT - Seals (DG 60)
SEGMENT CONDITION: Required if seals are applied to the primary equipment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**M701**	**225**	**Seal Number** Unique number on seal used to close a shipment [46-01] Seal Number (DG 60) Additional seal numbers should be carried in M702, M703, and M704.	**M**	**AN 2/15**
	M702	**225**	**Seal Number** Unique number on seal used to close a shipment [46-02] Additional Seal Number (DG 60)	**O**	**AN 2/15**
	M703	**225**	**Seal Number** Unique number on seal used to close a shipment [46-03] Additional Seal Number (DG 60)	**O**	**AN 2/15**
	M704	**225**	**Seal Number** Unique number on seal used to close a shipment [46-04] Additional Seal Number (DG 60)	**O**	**AN 2/15**
>>	**M705**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual [46-05] Seal Numbers Applied By Qualifier (DG 60) CA Carrier [46-05] Carrier SH Shipper [46-05] Shipper	**O**	**ID 2/3**

Segment: **N5** **Equipment Ordered**
Position: 350
Loop: N7 Optional
Level: Heading
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: [47] N5 SEGMENT - Primary Equipment Ordered (DG 60)
SEGMENT CONDITION: Required if primary equipment was ordered.

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)		
			[47-01] Length Capacity Primary Equipment Ordered (DG 60) Format is FFFII where 8000 is 80 ft.		
	N502	**233**	**Weight Capacity**	**O**	**N0 2/3**
			Capacity of car ordered (stated in 1000 pound units or 1000 kilogram units)		
			[47-02] Weight Capacity Primary Equipment Ordered (DG 60)		
	N503	**203**	**Cubic Capacity**	**O**	**N0 2/4**
			Capacity of car ordered (cubic feet unless otherwise specified)		
			[47-03] Cubic Capacity Primary Equipment Ordered (DG 60)		
>>	**N504**	**301**	**Car Type Code**	**O**	**ID 1/4**
			Code specifying type of rail car or intermodal equipment type and its general characteristics		
			[47-04] Type of Equipment Ordered (DG 60) SOURCE: Reference Section 6.0 of this IC for code values using applicable Air, Containers, Motor and TOFC (Dimensions are Outside Dimensions), Other Methods, Rail, and Water tables. Sample Values: QQ,QU,SS,TT		
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: 360
Loop: N7 Optional
Level: Heading
Usage: Optional
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: [48] REF SEGMENT - Tractor Number (DG 60)
SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification [48-01] Tractor Number Qualifier (DG 60) EQ Equipment Number [48-01] Equipment Number	**M**	**ID 2/3**
>>	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier [48-02] Tractor Number (DG 60) The tractor number carried in this data element is the power unit for the trailer described in the N7 segment of the same equipment loop. This data element is required only for tracking shipments monitored by DTTS.	**X**	**AN 1/30**
X	**REF03**	**352**	**Description**	**X**	**AN 1/80**
X	**REF04**	**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: **N1** **Name**
Position: 390
Loop: N1 Optional (Must Use)
Level: Heading
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: [49] N1 SEGMENT - Transportation Company Tendered To (CA) (DG 70)
LOOP CONDITION: DG 70 is required if the Defense Transportation Tracking System (DTTS) is required.
[51] N1 SEGMENT - Destination (ST) (DG 71)
[56] N1 SEGMENT - Origin (SF) (DG 72)
[61] N1 SEGMENT - Consignee (CN) (DG 73)
[65] N1 SEGMENT - Shipper (SH) (DG 74)
[69] N1 SEGMENT - Diversion/Reconsignment To (TT) (DG 75)
LOOP CONDITION: Required if shipment requires diversion/reconsignment destination.
[71] N1 SEGMENT - Diversion/Reconsignment From (T4) (DG 76)
LOOP CONDITION: DG 76 required if shipment requires diversion/reconsignment destination.
[73] N1 SEGMENT - Bill Charges To (PO) (DG 77)
[77] N1 SEGMENT - Issuing Office (IU) (DG 78)
[82] N1 SEGMENT - FOB Point (KX) (DG 79)
LOOP CONDITION: Use if FOB point applies.

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 [49-01] Transportation Company Tendered To (CA) Qualifier (DG 70) [51-01] Destination Name (ST) Qualifier (DG 71) This qualifier identifies name and address information of the carrier's delivery location. [56-01] Origin Name (SF) Qualifier (DG 72) This qualifier identifies the name and address information of the carrier's pickup location. [61-01] Consignee (CN) Name Qualifier (DG 73) This qualifier identifies the installation transportation office responsible for the shipment at the final destination. [65-01] Shipper Name (SH) Qualifier (DG 74) This qualifier identifies the installation transportation office responsible for the shipment at origin. [69-01] Diversion/Reconsignment (TT) To Qualifier (DG 75) Location that shipment is diverted/reconsigned to. [71-01] Diversion/Reconsignment (T4) From Qualifier (DG 76) [73-01] Bill Charges To (PO) Qualifier (DG 77) [77-01] Issuing Office (IU) Name Qualifier (DG 78) [82-01] FOB Point (KX) Qualifier (DG 79) CA Carrier [49-01] Carrier CN Consignee	**M ID 2/3**

				[61-01] Consignee		
			IU	Issuer		
				[77-01] Issuer		
			KX	Free on Board Point		
				[82-01] Free on Board Point		
			PO	Party to Receive Invoice for Goods or Services		
				[73-01] Party to Receive Invoice for Goods or Services		
			SF	Ship From		
				[56-01] Ship From		
			SH	Shipper		
				[65-01] Shipper		
			ST	Ship To		
				[51-01] Ship To		
			T4	Transfer Point		
				A geographic location where a shipment is transferred or diverted to a new destination		
				[71-01] Transfer Point		
			TT	Transfer To		
				[69-01] Transfer To		
>>	**N102**	**93**	**Name**		**X**	**AN 1/60**
			Free-form name			
			[49-02] Transportation Company Tendered To Name (CA) (DG 70) [51-02] Destination Name (ST) (DG 71) [56-02] Origin Name (SF) (DG 72) ELEMENT CONDITION: If issuing GBLOC is unavailable (N406='IOOI') or origin DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the origin is required. [61-02] Consignee Name (CN) (DG 73) ELEMENT CONDITION: If consignee GBLOC is unavailable (N406='IOOI') or consignee DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the consignee is required. [65-02] Shipper Name (SH) (DG 74) ELEMENT CONDITION: If shipper DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the shipper is required. [69-02] Diversion/Reconsignment (TT) To City (DG 75) Carry the city name that pertains to the SPLC. [71-02] Diversion/Reconsignment (T4) From (DG 76) Location that shipment was diverted/reconsigned from. Carry the city name that pertains to the SPLC. [73-02] Bill Charges To (PO) (DG 77) [77-02] Issuing Office (IU) Name (DG 78) [82-02] FOB Point (KX) (DG 79) Carry actual FOB point name in this data element.			
>>	**N103**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)			
			[51-03] Destination DoDAAC/CAGE/MAPAC Qualifier (DG 71) Do not use CAGE code for ocean shipments. [56-03] Origin DoDAAC/CAGE/MAPAC Qualifier (DG 72) Do not use CAGE code for ocean shipments. [61-03] Consignee DoDAAC/CAGE/MAPAC Qualifier (DG 73) Do not use CAGE code for ocean shipments. [65-03] Shipper DoDAAC/CAGE/MAPAC Qualifier (SH) (DG 74) Do not use CAGE code for ocean shipments. [73-03] Bill Charges To (PO) DoDAAC/CAGE/MAPAC Qualifier (DG 77) Do not use CAGE code for ocean shipments. ELEMENT CONDITION: Required if N104 is used.			

			10	Department of Defense Activity Address Code (DODAAC) [51-03] Department of Defense Activity Address Code (DODAAC) [56-03] Department of Defense Activity Address Code (DODAAC) [61-03] Department of Defense Activity Address Code (DODAAC) [65-03] Department of Defense Activity Address Code (DODAAC) [73-03] Department of Defense Activity Address Code (DODAAC)		
			33	Commercial and Government Entity (CAGE) [51-03] Commercial and Government Entity (CAGE) [56-03] Commercial and Government Entity (CAGE) [61-03] Commercial and Government Entity (CAGE) [65-03] Commercial and Government Entity (CAGE) [73-03] Commercial and Government Entity (CAGE)		
			A2	Military Assistance Program Address Code (MAPAC) Contained in the Military Assistance Program Address Directory (MAPAD); represents the location of an entity [51-03] Military Assistance Program Address Code (MAPAC) [56-03] Military Assistance Program Address Code (MAPAC) [61-03] Military Assistance Program Address Code (MAPAC) [65-03] Military Assistance Program Address Code (MAPAC) [73-03] Military Assistance Program Address Code (MAPAC)		
>>	**N104**	**67**	**Identification Code** Code identifying a party or other code [51-04] Destination DoDAAC/CAGE/MAPAC (DG 71) If DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the destination is required. [56-04] Origin DoDAAC/CAGE/MAPAC (DG 72) If origin DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the origin is required in N102. [61-04] Consignee DoDAAC/CAGE/MAPAC (DG 73) If DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the consignee is required in N102. [65-04] Shipper DoDAAC/CAGE/MAPAC (SH) (DG 74) If shipper DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the shipper is required. [73-04] Bill Charges To (PO) DoDAAC/CAGE/MAPAC (DG 77)	**X**	**AN 2/80**
X	**N105**	**706**	**Entity Relationship Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 2/2**
X	**N106**	**98**	**Entity Identifier Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 2/3**

Segment: **N2** **Additional Name Information**
Position: 400
Loop: N1 Optional (Must Use)
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes: [52] N2 SEGMENT - Destination (ST) (DG 71)
SEGMENT CONDITION: Use if additional destination name applies.
[57] N2 SEGMENT - Origin (SF) (DG 72)
SEGMENT CONDITION: Use if origin additional name applies.
[62] N2 SEGMENT - Consignee (CN) (DG 73)
SEGMENT CONDITION: Use if consignee additional name applies.
[66] N2 SEGMENT - Shipper (SH) (DG 74)
SEGMENT CONDITION: Use if shipper additional name applies.
[74] N2 SEGMENT - Bill Charges To (PO) (DG 77)
SEGMENT CONDITION: Use if additional name is required for party to whom charges are billed. If available provide additional name to accommodate trading partners that cannot identify activities by DoDAAC/CAGE/MAPAC.
[78] N2 SEGMENT - Issuing Office (IU) (DG 78)
SEGMENT CONDITION: Use if additional name is required for issuing office.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N201**	**93**	**Name** Free-form name [52-01] Additional Name (ST) (DG 71) [57-01] Additional Name (SF) (DG 72) [62-01] Additional Name (CN) (DG 73) [66-01] Additional Name (SH) (DG 74) [74-01] Additional Name (PO) (DG 77) [78-01] Additional Name (IU) (DG 78)	**M**	**AN 1/60**
X	**N202**	**93**	**Name**	**O**	**AN 1/60**

Segment: **N3** **Address Information**
Position: 410
Loop: N1 Optional (Must Use)
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: [53] N3 SEGMENT - Destination (ST) (DG 71)
SEGMENT CONDITION: Use if destination street address applies.
[58] N3 SEGMENT - Origin (SF) (DG 72)
SEGMENT CONDITION: Use if origin street address applies.
[63] N3 SEGMENT - Consignee (CN) (DG 73)
SEGMENT CONDITION: Use if consignee street address applies.
[67] N3 SEGMENT - Shipper (SH) (DG 74)
SEGMENT CONDITION: Use if shipper street address applies.
[75] N3 SEGMENT - Bill Charges To (PO) (DG 77)
SEGMENT CONDITION: Use if street address is required for party to whom charges are billed. f available provide street address to accommodate trading partners that cannot identify activities by DoDAAC/CAGE/MAPAC.
[79] N3 SEGMENT - Issuing Office (IU) (DG 78)
SEGMENT CONDITION: Use if street address is required for issuing office.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N301**	**166**	**Address Information** Address information [53-01] Street (ST) (DG 71) [58-01] Street (SF) (DG 72) [63-01] Street (CN) (DG 73) [67-01] Street (SH) (DG 74) [75-01] Street (PO) (DG 77) [79-01] Street (IU) (DG 78)	**M**	**AN 1/55**
	N302	**166**	**Address Information** Address information [53-02] Additional Addressing Information (DG 71) [58-02] Additional Addressing Information (DG 72) [63-02] Additional Addressing Information (DG 73) [67-02] Additional Addressing Information (DG 74) [75-02] Additional Addressing Information (DG 77) [79-02] Additional Addressing Information (DG 78)	**O**	**AN 1/55**

Segment: **N4** **Geographic Location**
Position: 420
Loop: N1 Optional (Must Use)
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: **1** If N406 is present, then N405 is required.
Semantic Notes:
Comments: **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: [54] N4 SEGMENT - Destination (ST) (DG 71)
SEGMENT CONDITION: Use if destination city, state, and ZIP Code apply.
[59] N4 SEGMENT - Origin (SF) (DG 72)
SEGMENT CONDITION: Use if origin city, state, and ZIP Code apply.
[64] N4 SEGMENT - Consignee (CN) (DG 73)
Provides required data when shipment is by rail or when consignee is OCONUS. May be used also when consignee city, state, and ZIP Code apply.
SEGMENT CONDITION: Required for all shipments except ocean.
[68] N4 SEGMENT - Shipper (SH) (DG 74)
SEGMENT CONDITION: Use if shipper city, state, and ZIP Code apply.
[70] N4 SEGMENT - Diversion/Reconsignment To Country Code (TT) (DG 75)
SEGMENT CONDITION: If shipment is CONUS, SPLC is required. If OCONUS, country code is required.
[72] N4 SEGMENT - Diversion/Reconsignment (T4) (DG 76)
SEGMENT CONDITION: Required if diversion/reconsignment SPLC applies.
[76] N4 SEGMENT - Bill Charges To (PO) (DG 77)
SEGMENT CONDITION: Use if city is required for party to whom charges are billed. If available provide city, state, and ZIP to accommodate trading partners that cannot identify activities by DoDAAC/CAGE/MAPAC.
[80] N4 SEGMENT - Issuing Office (IU) (DG 78)
SEGMENT CONDITION: Use if Issuing Office (IU) city, state, and ZIP Code apply.
[83] N4 SEGMENT - FOB Point (DG 79)
SEGMENT CONDITION: Use if FOB point applies.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
N401	**19**	**City Name** Free-form text for city name [54-01] City (ST) (DG 71) ELEMENT CONDITION: Field is MANDATORY if rail shipment. [59-01] City (SF) (DG 72) ELEMENT CONDITION: Field is MANDATORY if rail shipment. [64-01] City (CN) (DG 73) ELEMENT CONDITION: Field is MANDATORY if rail shipment. [68-01] City (SH) (DG 74) ELEMENT CONDITION: Field is required for rail shipments. [76-01] City (PO) (DG 77) [80-01] City (IU) (DG 78) [83-01] FOB Point (City) Named In Contract (DG 79)	**O**	**AN 2/30**
N402	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency [54-02] State Code (ST) (DG 71) ELEMENT CONDITION: Field is MANDATORY if rail shipment. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center [59-02] State (SF) (DG 72)	**O**	**ID 2/2**

ELEMENT CONDITION: Field is MANDATORY if rail shipment. Also use for province if shipment is Canadian.
SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center
[64-02] State (CN) (DG 73)
ELEMENT CONDITION: Field is MANDATORY if rail shipment. Also use for province if shipment is Canadian.
SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center
[68-02] State (SH) (DG 74)
ELEMENT CONDITION: Field is required for if rail shipments. Also use for province if shipment is Canadian.
SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center
[76-02] State (PO) (DG 77)
SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center
[80-02] State (IU) (DG 78)
SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center
[83-02] FOB Point (State) Named In Contract (DG 79)
SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center

N403	**116**	**Postal Code**	**O**	**ID 3/15**

Code defining international postal zone code excluding punctuation and blanks (zip code for United States)
[54-03] ZIP/Postal Code (ST) (DG 71)
There should be no special characters, punctuation, or blanks.
ELEMENT CONDITION: Field is MANDATORY if rail shipment.
SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents
[59-03] ZIP/Postal Code (SF) (DG 72)
Field is MANDATORY if rail shipment. There should be no special characters, punctuation, or blanks.
ELEMENT CONDITION: Field is MANDATORY if rail shipment.
SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents
[64-03] ZIP Code/Postal Code (CN) (DG 73)
There should be no special characters, punctuation, or blanks.
ELEMENT CONDITION: Field is MANDATORY if rail shipment.
SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents
[68-03] ZIP Code/Postal Code (SH) (DG 74)
There should be no special characters, punctuation, or blanks.
ELEMENT CONDITION: Field is required for rail shipments.
SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents
[76-03] ZIP Code/Postal Code (PO) (DG 77)
SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents
[80-03] ZIP Code/Postal Code (IU) (DG 78)
SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents

N404	**26**	**Country Code**	**O**	**ID 2/3**

Code identifying the country

[54-04] Country Code (DG 71)
ELEMENT CONDITION: If destination is OCONUS, country code is required.
SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute
[59-04] Country Code (SF) (DG 72)
ELEMENT CONDITION: If origin is OCONUS, country code is required.
SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute
[64-04] Country Code (CN) (DG 73)
ELEMENT CONDITION: If consignee is OCONUS, country code is required.
SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute
[68-04] Country Code (SH) (DG 74)
ELEMENT CONDITION: If shipper is OCONUS, country code is required.
SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute
[70-04] Country Code (DG 75)
ELEMENT CONDITION: If diversion/reconsignment is OCONUS, country code is required.
SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute

>>	**N405**	**309**	**Location Qualifier** Code identifying type of location	**X**	**ID 1/2**

[54-05] Destination SPLC (ST) Qualifier (DG 71)
ELEMENT CONDITION: SPLC is required for CONUS, but not OCONUS, shipments.
SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)
[59-05] Shipping Point SPLC (SF) Qualifier (DG 72)
ELEMENT CONDITION: Required if N406 is used.
SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)
[64-05] Consignee (CN) GBLOC Qualifier (DG 73)
ELEMENT CONDITION: Required for all shipments except by ocean.
SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)
[70-05] Diversion/Reconsignment (TT) To SPLC Qualifier (DG 75)
Required if N406 is used.
[72-05] Diversion/Reconsignment (T4) From SPLC Qualifier (DG 76)
SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)
[80-05] Issuing Office (IU) GBLOC Qualifier (DG 78)
SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)
[83-05] FOB SPLC Qualifier (DG 79)

ELEMENT CONDITION: Required if N406 is used.
SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)

10	Nearest Cross Street
	[83-05] Nearest Cross Street
11	Secondary Cross Street
	[83-05] Secondary Cross Street
12	Range
	Geographic delineations established by public land survey, often six miles on the latitudinal axis
	[83-05] Range
13	Section
	Geographic delineations established by public land survey, often one mile square
	[83-05] Section
14	Quarter Section
	Geographic delineations established by public land survey, often 1/2 mile square portion of a "section"
	[83-05] Quarter Section
18	Marker Identifier Location
	[83-05] Marker Identifier Location
19	Route
	[83-05] Route
20	Route Subdivision
	[83-05] Route Subdivision
21	Grid Location
	[83-05] Grid Location
22	Page
	[83-05] Page
27	Marker Type
	Identifies type of facility
	[83-05] Marker Type
28	Latitude-Longitude Source
	[83-05] Latitude-Longitude Source
29	Map Source
	[83-05] Map Source
30	Map Reference
	[83-05] Map Reference
31	Grid Source
	[83-05] Grid Source
32	Aliquot
	Identifies the subdivided portion of a one square mile legal survey area section
	[83-05] Aliquot
33	Block
	[83-05] Block
34	District
	[83-05] District
35	Drainhole Number
	[83-05] Drainhole Number
36	City Block
	[83-05] City Block

38	Footage Call Direction
	[83-05] Footage Call Direction
39	Location Direction
	[83-05] Location Direction
40	Outer Continental Lease Location
	[83-05] Outer Continental Lease Location
41	Lot
	[83-05] Lot
42	Map Quadrangle
	[83-05] Map Quadrangle
43	Principal Meridian
	A starting point of a rectangular land survey area
	[83-05] Principal Meridian
44	Outer Continental Shelf Area
	[83-05] Outer Continental Shelf Area
45	Outer Continental Shelf Block
	[83-05] Outer Continental Shelf Block
46	Official Protraction Diagram
	[83-05] Official Protraction Diagram
47	Quarter Quarter Quarter Section
	The subdivided description for a usual ten-acre portion of a legal survey area section
	[83-05] Quarter Quarter Quarter Section
48	Quarter Quarter Section
	The subdivided description for a usual forty- acre portion of a legal survey area section
	[83-05] Quarter Quarter Section
49	Section Type
	[83-05] Section Type
50	Abstract
	[83-05] Abstract
52	Labor
	[83-05] Labor
53	League
	[83-05] League
54	Survey
	[83-05] Survey
55	Tier
	[83-05] Tier
57	Tract
	[83-05] Tract
58	Universal Transverse Mercator Quadrant
	A designation of a rectangular survey area used for large scale mapping
	[83-05] Universal Transverse Mercator Quadrant
59	Course Direction
	[83-05] Course Direction
60	Area
	[83-05] Area
93	Sender's Location Code
	[83-05] Sender's Location Code
94	Receiver's Location Code

	[83-05] Receiver's Location Code
A	Jurisdiction to Receive Credit for Uniform Commercial Code Filing
	[83-05] Jurisdiction to Receive Credit for Uniform Commercial Code Filing
A1	Office
	[83-05] Office
AA	Annual Statements Mailing Address
	[83-05] Annual Statements Mailing Address
AC	City and State
	[83-05] City and State
AP	All Points
	Qualifies a code that identifies a geographic area where transportation rates apply
	[83-05] All Points
AR	Armed Services Location Designation
	[83-05] Armed Services Location Designation
B	Transmitting Utility
	[83-05] Transmitting Utility
B1	Branch
	[83-05] Branch
BE	Business Economic Area (BEA) Region Code
	[83-05] Business Economic Area (BEA) Region Code
BL	Government Bill of Lading Office Code (GBLOC)
	Qualifies a code that identifies the location of a government office authorized to process transportation bills of lading
	[64-05] Government Bill of Lading Office Code (GBLOC) [80-05] Government Bill of Lading Office Code (GBLOC) [83-05]
BS	Place of Business
	[83-05] Place of Business
C	Consignor
	[83-05] Consignor
C2	Geopolitical Name Code
	[83-05] Geopolitical Name Code
CA	Country of Origin
	[83-05] Country of Origin
CB	Confirmation Mailing Address
	[83-05] Confirmation Mailing Address
CC	Country
	[83-05] Country
CD	Canadian Customs Office Code
	[83-05] Canadian Customs Office Code
CE	Correspondence Mailing Address
	[83-05] Correspondence Mailing Address
CI	City
	[83-05] City
CL	National Rate Basis (NRB)
	[83-05] National Rate Basis (NRB)
CO	County/Parish and State

	[83-05] County/Parish and State
CR	In Tank Car
	[83-05] In Tank Car
CS	Canadian SPLC
	[83-05] Canadian SPLC
CY	County/Parish
	[83-05] County/Parish
D	Census Schedule D
	[83-05] Census Schedule D
DC	Distribution Center Number
	[83-05] Distribution Center Number
DE	Destination (Shipping)
	[83-05] Destination (Shipping)
DL	Delivery Location
	[83-05] Delivery Location
DO	District Office
	[83-05] District Office
DP	Department
	[83-05] Department
DR	District of Residence
	[83-05] District of Residence
DT	Domicile Type Code
	[83-05] Domicile Type Code
E	Uniform Commercial Code Filing Office
	[83-05] Uniform Commercial Code Filing Office
EA	Event Location
	[83-05] Event Location
EL	Employer Location
	A specific work location where an injury occurred
	[83-05] Employer Location
F	Current Address
	[83-05] Current Address
FA	Factory
	[83-05] Factory
FE	Freight Equalization Point
	[83-05] Freight Equalization Point
FF	Foreign Freight Forwarder Location
	[83-05] Foreign Freight Forwarder Location
FI	Federal Information Processing Standards (FIPS) 55 (Named Populated Places)
	[83-05] Federal Information Processing Standards (FIPS) 55 (Named Populated Places)
FR	U.S. Custom's Facilities Information and Resource Management Systems (FIRMS)
	[83-05] U.S. Custom's Facilities Information and Resource Management Systems (FIRMS)
FS	Freight Station Accounting Code
	[83-05] Freight Station Accounting Code
FT	Foreign Trade Zone
	A secured area legally outside a nation's customs territory, usually located in or near customs ports of entry, industrial parks or terminal warehouse facilities; while in a zone, merchandise is not covered by a customs bond or

	subject to duty or excise tax
	[83-05] Foreign Trade Zone
FV	Free Alongside Vessel (Free On Board [F.O.B.] Point)
	[83-05] Free Alongside Vessel (Free On Board [F.O.B.] Point)
GL	Freight Station Geographic Location
	[83-05] Freight Station Geographic Location
H	Home Address
	[83-05] Home Address
I	Home Base Address
	[83-05] Home Base Address
IA	International Air Transport Association (IATA) Location Qualifier
	[83-05] International Air Transport Association (IATA) Location Qualifier
IB	Issue Location
	[83-05] Issue Location
IM	Military Standard Movement Procedures (MILSTAMP)
	[83-05] Military Standard Movement Procedures (MILSTAMP)
IP	Postal
	[83-05] Postal
IS	In Store
	[83-05] In Store
IT	Intermediate FOB Point
	A location indicating the point of destination is not the origin or final destination but rather at some other point
	[83-05] Intermediate FOB Point
K	Census Schedule K
	[83-05] Census Schedule K
KE	Port of Embarkation
	[83-05] Port of Embarkation
KL	Port of Loading
	[83-05] Port of Loading
KP	Government Furnished Property FOB Point
	[83-05] Government Furnished Property FOB Point
L	Local Address
	[83-05] Local Address
LO	Local Office
	[83-05] Local Office
M	Mailing Address
	[83-05] Mailing Address
MI	Mill
	[83-05] Mill
MS	Metropolitan Sampling Area (MSA) Region Code
	[83-05] Metropolitan Sampling Area (MSA) Region Code
MZ	Mexican Postal Code
	[83-05] Mexican Postal Code
NS	City/State from Points
	[83-05] City/State from Points
O	Office Address
	[83-05] Office Address

OA	Origin (After Loading on Equipment)
	[83-05] Origin (After Loading on Equipment)
OF	Other Unlisted Free On Board (FOB) Point
	An FOB Point that cannot be predetermined
	[83-05] Other Unlisted Free On Board (FOB) Point
OL	Open and Prepay Station List Code(SCAC & Number)
	[83-05] Open and Prepay Station List Code(SCAC & Number)
OP	Other Unlisted Acceptance Point
	An acceptance Point that cannot be predetermined
	[83-05] Other Unlisted Acceptance Point
OR	Origin (Shipping Point)
	[83-05] Origin (Shipping Point)
OV	On Vessel (Free On Board [FOB] point)
	[83-05] On Vessel (Free On Board [FOB] point)
P	Permanent Address
	[83-05] Permanent Address
PA	Port of Arrival
	Port where shipment enters country
	[83-05] Port of Arrival
PB	Port of Discharge
	Port where shipment is unloaded
	[83-05] Port of Discharge
PC	Policy Mailing Address
	[83-05] Policy Mailing Address
PD	Place of Delivery
	[83-05] Place of Delivery
PE	Port of Entry
	Port where customs is declared
	[83-05] Port of Entry
PF	Parents Address
	[83-05] Parents Address
PG	Primary
	[83-05] Primary
PH	Prior Business
	[83-05] Prior Business
PL	Plant
	[83-05] Plant
PO	Principal Servicing Office
	[83-05] Principal Servicing Office
PP	Pool Point
	[83-05] Pool Point
PQ	3 Digit U.S. ZIP
	[83-05] 3 Digit U.S. ZIP
PR	4 Digit U.S. ZIP
	[83-05] 4 Digit U.S. ZIP
PS	5 Digit U.S. ZIP
	[83-05] 5 Digit U.S. ZIP
PT	3 Digit Canadian Postal Code
	[83-05] 3 Digit Canadian Postal Code
PU	6 Digit Canadian Postal Code

	[83-05] 6 Digit Canadian Postal Code
RA	Rate Area Code
	Qualifies a code that identifies a geographic area where transportation rates apply
	[83-05] Rate Area Code
RC	In Rail Car
	[83-05] In Rail Car
RE	Regional Education Service Agency
	An educational agency funded by a state or by school districts for the purpose of providing services to multiple schools or school districts
	[83-05] Regional Education Service Agency
RG	Region Code
	Qualifies a code that identifies a geographic area where transportation rates apply
	[83-05] Region Code
RJ	Region
	[83-05] Region
RL	Rural
	[83-05] Rural
RS	Standard Carrier Alpha Code
	[83-05] Standard Carrier Alpha Code
RT	Route Administrative Message To
	[83-05] Route Administrative Message To
SA	Secondary
	[83-05] Secondary
SB	Suburban
	[83-05] Suburban
SC	City/State and Points Within
	[83-05] City/State and Points Within
SD	School District
	[83-05] School District
SE	Summer
	[83-05] Summer
SG	Storage
	[83-05] Storage
SH	School Campus Code
	[83-05] School Campus Code
SL	U.S. SPLC
	[54-05] U.S. SPLC [59-05] U.S. SPLC [70-05] U.S. SPLC [72-05] U.S. SPLC [83-05]
SN	Store Number
	[83-05] Store Number
SP	State/Province
	[83-05] State/Province
SS	School
	[83-05] School
ST	In Storage Tank
	[83-05] In Storage Tank
SW	Switching District

	[83-05] Switching District
TA	Tank
	[83-05] Tank
TC	Transcontinental Freight Bureau
	[83-05] Transcontinental Freight Bureau
TL	Terminal Cargo Location
	[83-05] Terminal Cargo Location
TM	Terminal
	[83-05] Terminal
TN	Township
	[83-05] Township
TP	Temporary
	[83-05] Temporary
TR	Rail Territory
	[83-05] Rail Territory
TX	Taxing District
	[83-05] Taxing District
UN	United Nations Location Code (UNLOCODE)
	[83-05] United Nations Location Code (UNLOCODE)
UR	Urban
	[83-05] Urban
UT	Business Unit
	[83-05] Business Unit
VA	Vacation
	[83-05] Vacation
VI	Village
	[83-05] Village
VS	Vessel Stowage Location
	[83-05] Vessel Stowage Location
W	Worldwide Geographic Location Code
	[83-05] Worldwide Geographic Location Code
WF	Wharf
	[83-05] Wharf
WH	Warehouse
	[83-05] Warehouse
WI	Winter
	[83-05] Winter
ZN	Zone Code
	Qualifies a code that identifies a geographic area where transportation rates apply
	[83-05] Zone Code
ZZ	Mutually Defined
	[83-05] Mutually Defined

>>	**N406**	**310**	**Location Identifier**	**O**	**AN 1/30**

Code which identifies a specific location

[54-06] Destination SPLC (ST) (DG 71)
ELEMENT CONDITION: Nine-digit SPLCs are required for costing. SPLC is provided for CONUS shipments but not OCONUS.
[59-06] Shipping Point SPLC (SF) (DG 72)
Nine-digit SPLCs are required for costing. SPLC is provided for CONUS shipments but not OCONUS.
[64-06] Consignee (CN) GBLOC (DG 73)
ELEMENT CONDITION: If GBLOC is unavailable enter value 'IOOI'. Then,

the clear text name of the consignee is required in N102.
[70-06] Diversion/Reconsignment (TT) To SPLC (DG 75)
[72-06] Diversion/Reconsignment (T4) From SPLC (DG 76)
[80-06] Issuing Office (IU) GBLOC (DG 78)
This element must contain a valid GBLOC. Do not use 'IOOI'.
[83-06] FOB SPLC (DG 79)

Segment: **PER** **Administrative Communications Contact**
Position: 440
Loop: N1 Optional (Must Use)
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:
[50] PER SEGMENT - Transportation Company Dispatcher Contact (DG 70)
SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required.
[55] PER SEGMENT - DTTS Destination (ST) (DG 71)
SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required.
[60] PER SEGMENT - DTTS Origin (SF) (DG 72)
SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required.
[81] PER SEGMENT - Name of Issuing Officer (IU) (DG 78)
SEGMENT CONDITION: Use if name of issuing officer is required.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**PER01**	**366**	**Contact Function Code**		**M**	**ID 2/2**
			Code identifying the major duty or responsibility of the person or group named			
			[50-01] Transportation Company Dispatcher Contact Qualifier (DG 70) [55-01] Destination (ST) Contact Qualifier (DG 71) [60-01] Origin (SF) Contact Qualifier (DG 72) [81-01] Name of Issuing Officer Qualifier (DG 78)			
			EM	Emergency Contact		
				[50-01] Emergency Contact [55-01] Emergency Contact [60-01] Emergency Contact		
			IO	Issuing Officer		
				[81-01] Issuing Officer		
>>	**PER02**	**93**	**Name**		**O**	**AN 1/60**
			Free-form name			
			[81-02] Name of Issuing Officer (DG 78)			
>>	**PER03**	**365**	**Communication Number Qualifier**		**X**	**ID 2/2**
			Code identifying the type of communication number			
			[50-03] Transportation Company Dispatcher Telephone Number Qualifier (DG 70) [55-03] Destination (ST) Phone Number Qualifier (DG 71) [60-03] Origin (SF) Phone Number Qualifier (DG 72)			
			AU	Defense Switched Network		
				Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)		
				[55-03] Defense Switched Network [60-03] Defense Switched Network		
			TE	Telephone		
				[50-03] Telephone [55-03] Telephone [60-03] Telephone		
>>	**PER04**	**364**	**Communication Number**		**X**	**AN 1/80**

			Complete communications number including country or area code when applicable [50-04] Transportation Company Dispatcher Telephone Number (DG 70) [55-04] Destination (ST) Contact Phone Number (DG 71) Both commercial and DSN phone numbers are required for ammunition shipments. [60-04] Origin (SF) Contact Phone Number (DG 72) Both commercial and DSN phone numbers are required for ammunition shipments.		
X	**PER05**	**365**	**Communication Number Qualifier**	**X**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**PER06**	**364**	**Communication Number**	**X**	**AN 1/80**
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: **S5** **Stop-off Details**
Position: 450
Loop: S5 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify stop-off detail reference numbers and stop reason
Syntax Notes:
1 If either S503 or S504 is present, then the other is required.
2 If either S505 or S506 is present, then the other is required.
3 If either S507 or S508 is present, then the other is required.
Semantic Notes:
1 S509 is the stop reason description.
Comments:
Notes: [84] S5 SEGMENT - Stop Data (DG 80) The S5 loop must occur for each unique action that occurs at an enroute location. If a pickup and delivery action are performed at the same enroute location, the S5 loop must occur once for the pickup, and once for the delivery. The origin address is not included in this loop. The split pickup and split delivery addresses are included in this loop. For example, if a shipment makes a stop location and unloads an item, then moves to an inside address and unloads and loads an item, three actions have affected the shipment at two locations. Consequently, the 858 must contain three S5 loops, one for each action.
LOOP CONDITION: DG 80 required if the shipment requires inside pickup, inside delivery, stops, and objective service supply deliveries.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**S501**	**165**	**Stop Sequence Number**	**M**	**N0 1/3**
			Identifying number for the specific stop and the sequence in which the stop is to be performed		
			[84-01] Stop Sequence Number (DG 80) If the shipment stops enroute to the final destination, enter the sequence number of the stop location here. This sequence number needs to appear in the 100 Detail - Line Item Header Information Loop with each commodity that is picked up and/or delivered at that stop.		
M	**S502**	**163**	**Stop Reason Code**	**M**	**ID 2/2**
			Code specifying the reason for the stop		
			[84-02] Stop Reason Code (DG 80)		
			LD Load		
			[84-02] Load		
			UL Unload		
			[84-02] Unload		
X	**S503**	**81**	**Weight**	**X**	**R 1/10**
X	**S504**	**188**	**Weight Unit Code**	**X**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**S505**	**382**	**Number of Units Shipped**	**X**	**R 1/10**
X	**S506**	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**S507**	**183**	**Volume**	**X**	**R 1/8**
X	**S508**	**184**	**Volume Unit Qualifier**	**X**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**S509**	**352**	**Description**	**O**	**AN 1/80**
	S510	**154**	**Standard Point Location Code**	**O**	**ID 6/9**
			Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city		
			[84-10] Stop SPLC Code (DG 80)		

Nine-digit SPLCs are required for costing of all shipments except by ocean.
SPLC not used OCONUS.
SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc.

S511	**190**	**Accomplish Code**	**O**	**ID 1/1**
		Code indicating the status of a specified stop		
		[84-11] Stop Accomplish Code (DG 80)		
		A Accomplished		
		[84-11] Accomplished		
		P Pending		
		[84-11] Pending		

Segment: **G62** **Date/Time**
Position: 460
Loop: S5 Optional
Level: Heading
Usage: Optional
Max Use: 6
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: [85] G62 SEGMENT - Stop Arrival/Departure Times (DG 80)
SEGMENT CONDITION: Required if stop/pickup applies.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	**G6201**	**432**	**Date Qualifier** Code specifying type of date [85-01] Stop Date(s) Qualifier (DG 80) 69 Scheduled Pick-Up Date [85-01] Scheduled Pick-Up Date 70 Scheduled Delivery Date [85-01] Scheduled Delivery Date	**X**	**ID 2/2**
>>	**G6202**	**373**	**Date** Date expressed as CCYYMMDD [85-02] Stop Date(s) (DG 80) Use to satisfy claims and discrepancies. Scheduled date on which stop will occur.	**X**	**DT 8/8**
	G6203	**176**	**Time Qualifier** Code specifying the reported time [85-03] Stop Arrival/Departure Times Qualifier (DG 80) ELEMENT CONDITION: Required if G6204 is used. 8 Actual Pickup Time [85-03] Actual Pickup Time 9 Actual Delivery Time [85-03] Actual Delivery Time A Actual Departure Time [85-03] Actual Departure Time	**X**	**ID 1/2**
	G6204	**337**	**Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) [85-04] Stop Arrival/Departure Times (DG 80) Scheduled time at which stop will occur. Use time format HHMM.	**X**	**TM 4/8**
X	**G6205**	**623**	**Time Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 2/2**

Segment: **N1** **Name**
Position: 490
Loop: N1 Optional (Must Use)
Level: Heading
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: [86] N1 SEGMENT - Stop Name of Party to Receive Shipment (DG 80)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N101**	**98**	**Entity Identifier Code**	**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			[86-01] Stop Name Of Party To Receive Shipment Qualifier (DG 80)		
			LP Loading Party		
			[86-01] Loading Party		
			UP Unloading Party		
			[86-01] Unloading Party		
	N102	**93**	**Name**	**X**	**AN 1/60**
			Free-form name		
			[86-02] Stop Name Of Party To Receive Shipment (DG 80) ELEMENT CONDITION: If stop DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the stop is required.		
>>	**N103**	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			[86-03] Stop DoDAAC/CAGE/MAPAC Qualifier (DG 80) Do not use CAGE code for ocean shipments.		
			10 Department of Defense Activity Address Code (DODAAC)		
			[86-03] Department of Defense Activity Address Code (DODAAC)		
			33 Commercial and Government Entity (CAGE)		
			[86-03] Commercial and Government Entity (CAGE)		
			A2 Military Assistance Program Address Code (MAPAC)		
			Contained in the Military Assistance Program Address Directory (MAPAD); represents the location of an entity		
			[86-03] Military Assistance Program Address Code (MAPAC)		
>>	**N104**	**67**	**Identification Code**	**X**	**AN 2/80**
			Code identifying a party or other code		
			[86-04] Stop DoDAAC/CAGE/MAPAC (DG 80) If stop DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the stop is required.		
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: **N2** **Additional Name Information**
Position: 500
Loop: N1 Optional (Must Use)
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes: [87] N2 SEGMENT - Stop Name of Party to Receive Shipment (DG 80)
SEGMENT CONDITION: Use if stop name of party to receive shipment applies.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N201**	**93**	**Name**	**M**	**AN 1/60**
			Free-form name		
			[87-01] Additional Name (DG 80)		
X	**N202**	**93**	**Name**	**O**	**AN 1/60**

Segment: **N3** **Address Information**
Position: 510
Loop: N1 Optional (Must Use)
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: [88] N3 SEGMENT - Stops (DG 80)
SEGMENT CONDITION: Use if stop street address of party to receive shipment applies.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N301**	**166**	**Address Information** Address information [88-01] Street (DG 80)	**M**	**AN 1/55**
	N302	**166**	**Address Information** Address information [88-02] Additional Addressing Information (DG 80)	**O**	**AN 1/55**

Segment: **N4** **Geographic Location**
Position: 520
Loop: N1 Optional (Must Use)
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: **1** If N406 is present, then N405 is required.
Semantic Notes:
Comments: **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: [89] N4 SEGMENT - Stops (DG 80)
SEGMENT CONDITION: Use if stop city/state of party to receive shipment applies.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
	N401	**19**	**City Name**	**O**	**AN 2/30**
			Free-form text for city name		
			[89-01] City (DG 80)		
	N402	**156**	**State or Province Code**	**O**	**ID 2/2**
			Code (Standard State/Province) as defined by appropriate government agency		
			[89-02] State (DG 80) Also use for province if shipment is Canadian. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center		
	N403	**116**	**Postal Code**	**O**	**ID 3/15**
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
			[89-03] Stop ZIP Code/Postal Code (DG 80) SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents		
	N404	**26**	**Country Code**	**O**	**ID 2/3**
			Code identifying the country		
			[89-04] Country Code (DG 80) ELEMENT CONDITION: If stop is OCONUS, country code is required. SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute		
X	**N405**	**309**	**Location Qualifier**	**X**	**ID 1/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**N406**	**310**	**Location Identifier**	**O**	**AN 1/30**

Segment: **PER** **Administrative Communications Contact**
Position: 540
Loop: N1 Optional (Must Use)
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: [90] PER SEGMENT - Stop Communication Numbers (DG 80)
SEGMENT CONDITION: Use if stop communication numbers apply.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**PER01**	**366**	**Contact Function Code**		**M**	**ID 2/2**
			Code identifying the major duty or responsibility of the person or group named			
			[90-01] Stop Communication Numbers Qualifier (DG 80)			
			IC	Information Contact		
				[90-01] Information Contact		
X	**PER02**	**93**	**Name**		**O**	**AN 1/60**
>>	**PER03**	**365**	**Communication Number Qualifier**		**X**	**ID 2/2**
			Code identifying the type of communication number			
			[90-03] Stop Communication Numbers Contact Qualifier (DG 80)			
			IT	International Telephone		
				[90-03] International Telephone		
			TE	Telephone		
				[90-03] Telephone		
>>	**PER04**	**364**	**Communication Number**		**X**	**AN 1/80**
			Complete communications number including country or area code when applicable			
			[90-04] Stop Communication Numbers Contact (DG 80)			
X	**PER05**	**365**	**Communication Number Qualifier**		**X**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.			
X	**PER06**	**364**	**Communication Number**		**X**	**AN 1/80**
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: **FA1** **Type of Financial Accounting Data**
Position: 550
Loop: FA1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the organization controlling the content of the accounting citation, and the purpose associated with the accounting citation
Syntax Notes:
Semantic Notes:
1 FA101 Identifies the organization controlling the assignment of financial accounting information.
2 FA102 Identifies the purpose of the accounting allowance or charge information.
Comments:
Notes: [91] FA1 SEGMENT - Appropriation (DG 10) If there is only one Transportation Accounting Code or Line of Accounting at the header level, then it applies to all shipments in that container. If there is TAC/LOA at the header level, and some of the line items in the container have their own TACs/LOAs and some do not, use the TACs/LOAs at the line item level for those specific shipments and default to the header TAC/LOA for all others. If there is an invalid TAC/LOA on a single line item we will use the header TAC/LOA.
LOOP CONDITION: Carriers do not need to receive appropriation data. This segment begins the appropriation number loop. It calls for both FA1 and FA2 segments. 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.

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			
			[91-01] Agency Qualifier Code (DG 10)			
			DF	Department of Defense (DoD)		
				[91-01] Department of Defense (DoD)		
			DN	Department of the Navy		
				[91-01] Department of the Navy		
			DX	United States Marine Corps		
				[91-01] United States Marine Corps		
			DY	Department of Air Force		
				[91-01] Department of Air Force		
			DZ	Department of Army		
				[91-01] Department of Army		
			HS	Department of Health and Human Services		
				[91-01] 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**
			Refer to 004010 Data Element Dictionary for acceptable code values.			
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: 560
Loop: FA1 Optional
Level: Heading
Usage: Mandatory
Max Use: >1
Purpose: To specify the detailed accounting data
Syntax Notes:
Semantic Notes:
Comments:
Notes: [92] FA2 SEGMENT - Appropriation Breakdown Structure (DG 10)
This segment is MANDATORY if and only if the FA1 SEGMENT - Appropriation segment is used. Otherwise, this segment may not be 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		
			[92-01] Breakdown Structure Detail Code (DG 10)		
			84	Total Direct Costs	
				[92-01] Total Direct Costs	
			A1	Department Indicator	
				[92-01] Department Indicator	
			A2	Transfer from Department	
				[92-01] Transfer from Department	
			A3	Fiscal Year Indicator	
				[92-01] Fiscal Year Indicator	
			A4	Basic Symbol Number	
				[92-01] Basic Symbol Number	
			A5	Sub-class	
				[92-01] Sub-class	
			A6	Sub-Account Symbol	
				[92-01] Sub-Account Symbol	
			AT	Air Force Transportation Account Code (ATAC)	
				[92-01] Air Force Transportation Account Code (ATAC)	
			B1	Budget Activity Number	
				[92-01] Budget Activity Number	
			B2	Budget Sub-activity Number	
				[92-01] Budget Sub-activity Number	
			B3	Budget Program Activity	
				[92-01] Budget Program Activity	
			C1	Program Element	
				[92-01] Program Element	
			C2	Project Task or Budget Subline	
				[92-01] Project Task or Budget Subline	
			D1	Defense Agency Allocation Recipient	
				[92-01] Defense Agency Allocation Recipient	
			D4	Component Sub-allocation Recipient	
				[92-01] Component Sub-allocation Recipient	
			D6	Sub-allotment Recipient	
				[92-01] Sub-allotment Recipient	

D7	Work Center Recipient	
	[92-01] Work Center Recipient	
E1	Major Reimbursement Source Code	
	[92-01] Major Reimbursement Source Code	
E2	Detail Reimbursement Source Code	
	[92-01] Detail Reimbursement Source Code	
E3	Customer Indicator	
	[92-01] Customer Indicator	
F1	Object Class	
	[92-01] Object Class	
F3	Government or Public Sector Identifier	
	[92-01] Government or Public Sector Identifier	
G2	Special Interest Code or Special Program Cost Code	
	[92-01] Special Interest Code or Special Program Cost Code	
I1	Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC)	
	[92-01] 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	
	[92-01] Document or Record Reference Number	
K6	Accounting Classification Reference Code	
	[92-01] Accounting Classification Reference Code	
L1	Accounting Installation Number	
	[92-01] Accounting Installation Number	
M1	Local Installation Data	
	[92-01] Local Installation Data	
MD	Movement Designator Code (MDC)	
	[92-01] Movement Designator Code (MDC)	
N1	Transaction Type	
	[92-01] Transaction Type	
P5	Foreign Military Sales (FMS) Line Item Number	
	[92-01] Foreign Military Sales (FMS) Line Item Number	
TA	Transportation Account Code (TAC)	
	[92-01] Transportation Account Code (TAC)	
ZZ	Mutually Defined	
	[92-01] Mutually Defined	

M	**FA202**	**1195**	**Financial Information Code**	**M**	**AN 1/80**
			Code representing financial accounting information		
			[92-02] Financial Information Code (DG 10) 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.		

Segment: **L10** **Weight**
Position: 570
Loop: FA1 Optional
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Purpose: To transmit weight information
Syntax Notes:
Semantic Notes:
Comments:
Notes: [93] L10 SEGMENT - Appropriation Weight (DG 10)
This segment is MANDATORY if and only if the FA1 SEGMENT - Appropriation segment is used. Otherwise, this segment may not be used.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**L1001**	**81**	**Weight**		**M**	**R 1/10**
			Numeric value of weight			
			[93-01] Weight (DG 10) Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.			
M	**L1002**	**187**	**Weight Qualifier**		**M**	**ID 1/2**
			Code defining the type of weight			
			[93-02] Weight Qualifier (DG 10)			
			N	Actual Net Weight		
				[93-02] Actual Net Weight		
>>	**L1003**	**188**	**Weight Unit Code**		**O**	**ID 1/1**
			Code specifying the weight unit			
			[93-03] Weight Unit Code (DG 10)			
			E	Metric Ton		
				[93-03] Metric Ton		
			G	Grams		
				[93-03] Grams		
			K	Kilograms		
				[93-03] Kilograms		
			L	Pounds		
				[93-03] Pounds		
			M	Measurement Ton		
				[93-03] Measurement Ton		
			O	Ounces		
				[93-03] Ounces		
			S	Short Ton		
				[93-03] Short Ton		
			T	Long Ton		
				[93-03] Long Ton		

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:
[94] HL SEGMENT - Line Item Detail (DG 100)
[148] HL SEGMENT - Gross Weight Description Loop (DG 200)
LOOP CONDITION: Use when gross weight description applies.
[150] HL SEGMENT - Detail - Tare Weight Description Loop (DG 200)
LOOP CONDITION: Use when tare weight description is required.
[152] HL SEGMENT - Net Weight Description Loop (DG 200)
The HL Net Weight Description Loop must occur for the shipment net weight. The HL Net Weight Description Loop must occur for the shipment net weight.
[154] HL SEGMENT - Net Explosive Weight Description Loop (English) (DG 200)
LOOP CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required and the shipment is an explosive danger.
[157] HL SEGMENT - Net Explosive Weight Description Loop (Metric) (DG 200)
LOOP CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required and the shipment is an explosive danger.
[160] HL SEGMENT - Dunnage Weight Description Loop (DG 200)
LOOP CONDITION: Required if dunnage weight description Loop is required.
[162] HL SEGMENT - Pallet Weight Description Loop (DG 200)
LOOP CONDITION: Required if pallet weight applies.
[164] HL SEGMENT - Skid Weight Description Loop (DG 200)
LOOP CONDITION: Required if skid weight is required.
[166] HL SEGMENT - Freight Weight Description Loop (DG 200)
[168] HL SEGMENT - Accessorial/Protective Services Loop (DG 300)
LOOP CONDITION: Required if the shipment calls for accessorial or protective service. One HL Accessorial/Protective Services Loop must occur for each service ordered.
[174] HL SEGMENT - Level of Service Loop (DG 300)
LOOP CONDITION: Use for air freight shipments.
[178] HL SEGMENT - Fuel Surcharge Loop (DG 301)
LOOP CONDITION: Required only when Mode is Air (BX02 code values 'AF'. 'AH', 'FA') or Motor, as long as fuel surcharge policy is in effect.
[181] HL SEGMENT - Commodity Classification Summary Loop (DG 400)
LOOP CONDITION: Required except for ocean and SPOT BID shipments.
[187] HL SEGMENT - ITO Quality Management Info Loop Qualifier (DG 500)
LOOP CONDITION: Use if the shipper needs to report quality control information, DG

500 must appear.

Data Element Summary

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

[94-01] Detail - Line Item Description Loop (DG 100)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop, regardless of usage of the HL loop. An HL Line Item Description Loop is generated for each DG 100. A shipment unit is identified by a single Transportation Control Number (TCN). Each commodity description cites the TCN it is grouped under. A shipment unit may cite multiple commodities. DG 100, commodity header information, describes one commodity (NMFC, UFC, DoD unique). The commodity detail information, DG 120, describes the type pack information in the L0 loop. There can be multiple type packs per line item.
[148-01] Detail - Gross Weight Description (DG 200)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe weights that apply to the entire shipment.
[150-01] Detail - Tare Weight Description Loop (DG 200)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe tare weights that apply to the entire shipment.
[152-01] Detail - Net Weight Description Loop (DG 200)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe net weights that apply to the entire shipment.
[154-01] Detail - Net Explosive Weight Description Loop (English) (DG 200)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe English weights that apply to the entire shipment.
[157-01] Detail - Net Explosive Weight Description Loop (Metric) (DG 200)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe Net Explosive Weights (Metric) that apply to the entire shipment.
[160-01] Detail - Dunnage Weight Description Loop (DG 200)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe Dunnage Weights that apply to the entire shipment.
[162-01] Detail - Pallet Weight Description Loop (DG 200)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe pallet weights that apply to the entire shipment.
[164-01] Detail - Skid Weight Description Loop (DG 200)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe skid weights that apply to the entire shipment.
[166-01] Detail - Freight Weight Description Loop (DG 200)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe freight weights that apply to the entire shipment.
[168-01] Detail - Accessorial/Protective Services Loop (DG 300)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the Accessorial/Protective Services Loop. See Section 5.0 (DTEB Freight Bill of Lading Shipment Information Implementation Convention) for looping logic and examples.
[174-01] Hierarchical ID Number (DG 300)

[178-01] Detail - Fuel Surcharge Loop (DG 301)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe a fuel surcharge.
[181-01] Detail - Commodity Classification Summary Loop (DG 400)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins a loop used to describe each different type of commodity being moved under the bill. Description of each individual commodity type requires an HL Segment.
[187-01] Detail - ITO Quality Management Info Loop Qualifier (DG 500)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to carry ITO Quality Management Information.

X	**HL02**	**734**	**Hierarchical Parent ID Number**	**O**	**AN 1/12**
M	**HL03**	**735**	**Hierarchical Level Code**	**M**	**ID 1/2**

Code defining the characteristic of a level in a hierarchical structure

[94-03] Hierarchical Level Code (DG 100)
This code identifies the Line Item Description Loop.
[148-03] Hierarchical Level Code (DG 200)
This code identifies the Gross Weight Description Loop.
[150-03] Hierarchical Level Code (DG 200)
This code identifies the Tare Weight Description Loop.
[152-03] Hierarchical Level Code (DG 200)
This code identifies the Net Weight Description Loop.
[154-03] Hierarchical Level Code (DG 200)
This code identifies the Net Explosive Weight Description (English) Loop.
[157-03] Hierarchical Level Code (DG 200)
This code identifies the Net Explosive Weight Description (Metric) Loop.
[160-03] Hierarchical Level Code (DG 200)
This code identifies the Dunnage Weight Description Loop.
[162-03] Hierarchical Level Code (DG 200)
This code identifies the Pallet Weight Description Loop.
[164-03] Hierarchical Level Code (DG 200)
This code identifies the Skid Weight Description Loop.
[166-03] Hierarchical Level Code (DG 200)
This code identifies the Freight Weight Description Loop.
[168-03] Hierarchical Level Code (DG 300)
This code identifies the Accessorial/Protective Services Loop.
[174-03] Hierarchical Level Code (DG 300)
[178-03] Hierarchical Level Code (DG 301)
This code identifies the Fuel Surcharge Loop.
[181-03] Hierarchical Level Code (DG 400)
This code identifies the Commodity Classification Summary Loop.
[187-03] Hierarchical Level Code (DG 500)
This code identifies the ITO Quality Management Information Loop.

1	Service/Billing Provider Code identifying the telecommunications company providing service/billing [154-03] Service/Billing Provider
2	Billing Arrangement Code identifying a specified billing arrangement [154-03] Billing Arrangement [178-03] Billing Arrangement
3	Sub-Billing Arrangement Code identifying a more detailed billing arrangement [154-03] Sub-Billing Arrangement
4	Group Code identifying a group of charges on the bill [154-03] Group

5	Category Code identifying the sub-division of the group [154-03] Category
6	Sub-Category Code identifying a further breakdown of the category [154-03] Sub-Category
7	Type Code identifying a further breakdown of the sub-category [154-03] Type
8	Charge Detail Code identifying the lowest level of charges within a billing arrangement [154-03] Charge Detail
9	Line Detail Code identifying the supporting detail associated with the charge or group [154-03] Line Detail
19	Provider of Service [154-03] Provider of Service
20	Information Source Identifies the payor, maintainer, or source of the information [154-03] Information Source
21	Information Receiver Identifies the provider or party(ies) who are the recipient(s) of the information [154-03] Information Receiver
22	Subscriber Identifies the employee or group member who is covered for insurance and to whom, or on behalf of whom, the insurer agrees to pay benefits [154-03] Subscriber
23	Dependent Identifies the individual who is affiliated with the subscriber, such as spouse, child, etc., and therefore may be entitled to benefits [154-03] Dependent
24	Supergroup [154-03] Supergroup
25	Subgroup [154-03] Subgroup
26	Member [154-03] Member
27	Ancillary Facility or Department [154-03] Ancillary Facility or Department
28	Hospital [154-03] Hospital
29	Franchisor [154-03] Franchisor
2A	Branch [154-03] Branch
2B	Direct Affiliate Company in which a business owns a minority share

	[154-03] Direct Affiliate
2C	Director
	[154-03] Director
2D	Headquarters
	[154-03] Headquarters
2E	Indirect Affiliate
	Company where relationship is through management and/or stockholders
	[154-03] Indirect Affiliate
2F	Management Antecedents
	[154-03] Management Antecedents
2G	Management or Principal
	[154-03] Management or Principal
2H	Parent Company
	[154-03] Parent Company
2I	Stockholder
	[154-03] Stockholder
2J	Subsidiary
	[154-03] Subsidiary
2K	Ultimate Domestic Parent Company
	Top parent in the family tree located in the country
	[154-03] Ultimate Domestic Parent Company
2L	Ultimate Parent Company
	Top parent in the family tree
	[154-03] Ultimate Parent Company
30	Franchisee
	[154-03] Franchisee
31	Franchisee Association
	[154-03] Franchisee Association
32	Health Industry Business Communications Council (HIBCC) Health Industry Number (HIN) Database
	[154-03] Health Industry Business Communications Council (HIBCC) Health Industry Number (HIN) Database
33	Activity
	[154-03] Activity
34	Location Record
	[154-03] Location Record
35	Company/Corporation
	Any company or business
	[154-03] Company/Corporation
36	Operating Unit
	Any operating business unit within a company or corporation
	[154-03] Operating Unit
37	Property
	Any, building, structure, or body of land that is considered a single thing
	[154-03] Property
38	Tradename
	A name by which the public identifies a business or product that is owned by a company or business
	[154-03] Tradename

39	Accountant
	[154-03] Accountant
40	Financial Institution
	[154-03] Financial Institution
41	Product Level
	[154-03] Product Level
42	Activity Details
	[154-03] Activity Details
43	Payment Summary Score
	[154-03] Payment Summary Score
44	Corporate Registration Filings
	[154-03] Corporate Registration Filings
45	Bankruptcy Details
	[154-03] Bankruptcy Details
46	Company History
	[154-03] Company History
47	Complete Financial History
	[154-03] Complete Financial History
48	Balance Sheet
	[154-03] Balance Sheet
49	Comparative Figures
	[154-03] Comparative Figures
50	Payment Analysis
	[154-03] Payment Analysis
51	Special Notification
	[154-03] Special Notification
52	Public Record Financing Details
	[154-03] Public Record Financing Details
53	Public Record Financing Summary
	[154-03] Public Record Financing Summary
54	Public Record Claim Details
	[154-03] Public Record Claim Details
55	Public Record Claim Summary
	[154-03] Public Record Claim Summary
56	Statement of Work
	A part of a description of what work needs to be performed under a contract
	[154-03] Statement of Work
57	Legal Action Details
	[154-03] Legal Action Details
58	Legal Action Summary
	[154-03] Legal Action Summary
59	Company Evaluation
	[154-03] Company Evaluation
60	Company Summary
	[154-03] Company Summary
61	Credit Scores
	[154-03] Credit Scores
62	Industry Averages
	[154-03] Industry Averages
A	Assembly

	[154-03] Assembly
AD	Administrative Information
	[154-03] Administrative Information [187-03] Administrative Information
AG	Agent
	[154-03] Agent
AL	Alternate Specification - Lift Level
	Designates the hierarchical level detail specifications of the largest warehouse/shop floor applications; alternate specification to be used as an option when the primary can not be provided
	[154-03] Alternate Specification - Lift Level
AP	Credential Action
	[154-03] Credential Action
AS	Animal Subject Group
	[154-03] Animal Subject Group
B	Buyer's Location
	[154-03] Buyer's Location
BD	Building
	[154-03] Building
BE	Business Entity
	[154-03] Business Entity
BP	Body Part
	[154-03] Body Part
C	Date
	[154-03] Date
CB	Contractholder Branch Office
	[154-03] Contractholder Branch Office
CC	Cost Center
	A location to which incurred costs accrue
	[154-03] Cost Center
CE	Cost Element
	A element of cost within a total proposed price
	[154-03] Cost Element
CH	Contractholder
	[154-03] Contractholder
CI	Cause of Injury
	[154-03] Cause of Injury
CL	Claimant
	[154-03] Claimant
CN	Container
	[154-03] Container
CO	Consortium
	[154-03] Consortium
CT	Cost Type
	A breakdown of the type of cost being incurred
	[154-03] Cost Type
D	Product Description
	[154-03] Product Description [181-03] Product Description
DG	Drawing
	[154-03] Drawing

DP	Department
	An organization entity within a larger business entity
	[154-03] Department
E	Transportation Equipment
	[154-03] Transportation Equipment
ED	Engineering Data List
	[154-03] Engineering Data List
EL	Exhibit Line Item
	A number for a document referenced in and appended to a procurement instrument that establishes a delivery requirement
	[154-03] Exhibit Line Item
EM	Employer
	[154-03] Employer
EV	Event
	[154-03] Event
EX	Exception
	[154-03] Exception
F	Component
	[154-03] Component
FC	Function Code
	A function within a larger set describing the total work to be performed
	[154-03] Function Code
FG	Functional Group
	[154-03] Functional Group
FI	Financial Information
	[154-03] Financial Information
FL	Fleet
	[154-03] Fleet
FR	Frame
	[154-03] Frame
G	Quality Characteristics
	A historical record of product quality characteristics and or discrepancies for a given item of supply
	[154-03] Quality Characteristics
GC	Group Coverage Options
	[154-03] Group Coverage Options
GP	Group Purchasing Organization
	[154-03] Group Purchasing Organization
GW	Group Work Candidate
	[154-03] Group Work Candidate
H	Bill of Materials
	[154-03] Bill of Materials
I	Item
	[94-03] Item [154-03]
IA	Subline Item
	A subdivision of the line item, typically used to describe a separate point of delivery
	[154-03] Subline Item
IB	Contract
	An agreement between partners

	[154-03] Contract
IC	Contract Data Requirements List (CDRL)
	[154-03] Contract Data Requirements List (CDRL)
IN	Interchange
	[154-03] Interchange
J	Part Characteristic
	[154-03] Part Characteristic
JU	Jurisdiction
	[154-03] Jurisdiction
K	Kit
	[154-03] Kit
L	Supplier's Location
	[154-03] Supplier's Location
M	Measurement
	[154-03] Measurement
ML	Manufacturing Level
	Nesting category for use in the HL segment that defines manufacturing or processing stages associated with specification, characteristics, controls, activities, or measurements
	[154-03] Manufacturing Level
NI	Nature of Injury
	[154-03] Nature of Injury
NS	National Stock Number
	[154-03] National Stock Number
O	Order
	[154-03] Order
OS	Support
	[154-03] Support
P	Pack
	[154-03] Pack
PA	Primary Administrator
	[154-03] Primary Administrator
PB	Personal Property
	[154-03] Personal Property
PC	Project Code
	A part of a larger effort
	[154-03] Project Code
PD	Procedure
	[154-03] Procedure
PH	Product Characteristic
	[148-03] Product Characteristic [150-03] Product Characteristic [152-03] Product Characteristic [154-03] [157-03] Product Characteristic [160-03] Product Characteristic [162-03] Product Characteristic [164-03] Product Characteristic [166-03] Product Characteristic
PL	Primary Specification - Lift Level
	Designates the hierarchical level detailing specifications of the largest unitized configuration to be handled mechanically in warehouse/shop floor applications;

	"primary" indicates preferred or mandatory, and all subsequent "HL" segments contain specifications of upper or interior levels of the lift level as required
	[154-03] Primary Specification - Lift Level
PP	Related Parties
	[154-03] Related Parties
PR	Principal
	An entity granting authority to another to act in its behalf, such as a lobbyist's principal or an entity granting power of attorney.
	[154-03] Principal
PS	Property Segment Group
	[154-03] Property Segment Group
PT	Patient
	[154-03] Patient
PY	Payment Detail
	[154-03] Payment Detail
Q	Subpack
	[154-03] Subpack
R	Quantity
	[154-03] Quantity
RA	Reporting Agency
	[154-03] Reporting Agency
RB	Response
	[154-03] Response
RC	Response Details
	[154-03] Response Details
RD	Response Sub-details
	[154-03] Response Sub-details
RE	Response Particular
	[154-03] Response Particular
RF	Medication
	[154-03] Medication
RM	Room
	[154-03] Room
RP	Report
	The level of the hierarchical structure used to identify basic report information
	[154-03] Report
S	Shipment
	[154-03] Shipment
SA	Secondary Administrator
	[154-03] Secondary Administrator
SB	Substitute
	[154-03] Substitute
SC	Subcontract Line Item
	A further subdivision of a contract line item number, used for information or when a separate delivery is involved
	[154-03] Subcontract Line Item
SD	Support Document
	[154-03] Support Document
SE	Subexhibit Line Item
	A further subdivision of a contract exhibit line item

	[154-03] Subexhibit Line Item
SH	Sheet
	[154-03] Sheet
SI	Source of Injury
	[154-03] Source of Injury
SL	Solicitation
	[154-03] Solicitation
SP	Sub-Project
	[154-03] Sub-Project
SR	Subroom
	[154-03] Subroom
SS	Services
	[154-03] Services [168-03] Services [174-03] Services
SY	System
	A completed system typically composed of several items
	[154-03] System
T	Shipping Tare
	[154-03] Shipping Tare
TI	Technical Information Package
	[154-03] Technical Information Package
TS	Transaction Set
	[154-03] Transaction Set
U	Subassembly
	[154-03] Subassembly
UT	Unit or Lot
	[154-03] Unit or Lot
V	Address Information
	The HL loop will identify entities associated with the shipment notice transaction
	[154-03] Address Information
W	Transaction Reference Number
	The HL loop will identify shipment notice information for each reported transaction reference number
	[154-03] Transaction Reference Number
WB	Work Breakdown Structure
	An individual element of work portrayed in tree structure stages of the total performance of a contract
	[154-03] Work Breakdown Structure
WC	Work Candidate
	Identifies a maintenance or repair requirement
	[154-03] Work Candidate
WL	Well
	[154-03] Well
WP	Well Completion
	[154-03] Well Completion
WR	Wellbore
	[154-03] Wellbore
X	Serial Number
	Serial numbers applicable to a referenced item of supply
	[154-03] Serial Number

			Y	Suffix The HL loop will identify shipment notice information for each reported suffix [154-03] Suffix		
			ZZ	Mutually Defined [154-03] Mutually Defined		
X	**HL04**	**736**	**Hierarchical Child Code**		**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.			

Segment: **N7** **Equipment Details**
Position: 020
Loop: HL Mandatory
Level: Detail
Usage: Optional
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: [95] N7 SEGMENT - Primary Equipment Identifier (DG 100)
SEGMENT CONDITION: This segment is required in the line item detail if the shipment moves on multiple pieces of primary equipment. Use this segment to associate the line item with the primary equipment on which it is conveyed. Associate with equipment identified in N7 segment, DataGroup 60.
[169] N7 SEGMENT - Primary Equipment Identifier (DG 300)
SEGMENT CONDITION: Required if the shipment moves on multiple pieces of equipment and the accessorial/protective service applies to a particular piece of equipment. Do not use this segment if the accessorial/protective service applies to the whole shipment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
	N701	**206**	**Equipment Initial** Prefix or alphabetic part of an equipment unit's identifying number [95-01] Primary Equipment Initials (DG 100) This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes initials of the furnished primary equipment in/on which the commodity is conveyed. SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association [169-01] Equipment Initial (DG 300) This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes initials of the furnished primary equipment in/on which the commodity is conveyed. ELEMENT CONDITION: If the value in N702 is other than 'NONE', or the equipment initials are not available, use the SCAC. SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association	**O**	**AN 1/4**
M	**N702**	**207**	**Equipment Number** Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) [95-02] Primary Equipment Numbers (DG 100) This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes numbers on the furnished primary equipment in/on which the commodity is conveyed. [169-02] Equipment Number (DG 300) This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes numbers on the furnished primary equipment in/on which the commodity is conveyed.	**M**	**AN 1/10**
X	**N703**	**81**	**Weight**	**X**	**R 1/10**
X	**N704**	**187**	**Weight Qualifier** Refer to 004010 Data Element Dictionary for acceptable code values.	**X**	**ID 1/2**
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**
X	**N708**	**183**	**Volume**	**X**	**R 1/8**
X	**N709**	**184**	**Volume Unit Qualifier**	**X**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**N710**	**102**	**Ownership Code**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**N711**	**40**	**Equipment Description Code**	**O**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**N712**	**140**	**Standard Carrier Alpha Code**	**O**	**ID 2/4**
X	**N713**	**319**	**Temperature Control**	**O**	**AN 3/6**
X	**N714**	**219**	**Position**	**O**	**AN 1/3**
X	**N715**	**567**	**Equipment Length**	**O**	**N0 4/5**
X	**N716**	**571**	**Tare Qualifier Code**	**X**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**N717**	**188**	**Weight Unit Code**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**N718**	**761**	**Equipment Number Check Digit**	**O**	**N0 1/1**
X	**N719**	**56**	**Type of Service Code**	**O**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
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**
X	**N723**	**140**	**Standard Carrier Alpha Code**	**O**	**ID 2/4**
X	**N724**	**301**	**Car Type Code**	**O**	**ID 1/4**

Segment: **NA** **Cross-Reference Equipment**
Position: 030
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To cross-reference additional equipment to a primary piece of equipment
Syntax Notes:
1 If NA01 is present, then NA02 is required.
Semantic Notes:
1 NA07 is the owner's Standard Carrier Alpha Code (SCAC) code.
2 NA11 indicates the equipment damage status. A "Y" indicates equipment is damaged; an "N" indicates equipment is not damaged.
Comments:
1 NA03 contains the equipment initial of an associated shipment and is required by rail. If unknown, use NONZ for van or NONU for container.
2 NA04 contains the equipment number of an associated shipment.
3 NA09 is the Standard Carrier Alpha Code (SCAC) code of the operator of the equipment.
Notes:
[96] NA SEGMENT - Shipper Equipment Numbers (DG 100)
Shipper owned vehicles, like trucks, jeeps, and tanks, are identified using a different mapping of the NA segment in the HL Line Item Description Loop. See the following occurrence of the NA segment for mapping of vehicles information.
SEGMENT CONDITION: This segment required to indicate the mapping for shipper equipment numbers when applicable. Shipper equipment is that equipment/vehicle which is supplied/owned by the shipper. This includes DROMs, containers, and vans.
[97] NA SEGMENT - Military Vehicle Identification (DG 100)
SEGMENT CONDITION: This segment required to indicate the mapping for shipper owned vehicles when applicable. This includes cars, jeeps, tanks, and trucks. See the previous occurrence of the NA segment for mapping of shipper equipment information. The model number maps to NTE SEGMENT - Vehicle Model Number.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
	NA01	**128**	**Reference Identification Qualifier**		**O**	**ID 2/3**
			Code qualifying the Reference Identification			
			[97-01] Military Vehicle Identification/Serial Number Qualifier (DG 100) ELEMENT CONDITION: Required if NA02 is used.			
			SE	Serial Number		
				[97-01] Serial Number		
			VT	Motor Vehicle ID Number		
				[97-01] Motor Vehicle ID Number		
	NA02	**127**	**Reference Identification**		**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
			[97-02] Military Vehicle Identification/Serial Number (DG 100) Use VIN to describe the vehicles being moved.			
M	**NA03**	**206**	**Equipment Initial**		**M**	**AN 1/4**
			Prefix or alphabetic part of an equipment unit's identifying number			
			[96-03] Shipper Equipment Initials (DG 100) [97-03] Military Vehicle Initials (Filler) (DG 100)			
			DODV	New Code Added by IC		
				[96-03] DoD Van and Container		
			DROM	New Code Added by IC		
				[96-03] Dromedary Equipment		
			NONX	New Code Added by IC		
				[97-03] Vehicle		
M	**NA04**	**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) [96-04] Shipper Equipment Numbers (DG 100) Use for Initials and Serial Number of the Shipper Owned Containers/DROMs. [97-04] Military Vehicle Bumper Number (DG 100) Use 'NONE' if bumper number is unavailable.		
X	**NA05**	**231**	**Cross Reference Type Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 1/1**
X	**NA06**	**219**	**Position**	**O**	**AN 1/3**
X	**NA07**	**140**	**Standard Carrier Alpha Code**	**O**	**ID 2/4**
X	**NA08**	**567**	**Equipment Length**	**O**	**N0 4/5**
X	**NA09**	**140**	**Standard Carrier Alpha Code**	**O**	**ID 2/4**
X	**NA10**	**845**	**Chassis Type** Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 2/2**
X	**NA11**	**1073**	**Yes/No Condition or Response Code** Refer to 004010 Data Element Dictionary for acceptable code values.	**O**	**ID 1/1**

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: [98] M7 SEGMENT - Seals (DG 100)
SEGMENT CONDITION: Required when seals are applied.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**M701**	**225**	**Seal Number** Unique number on seal used to close a shipment [98-01] Seals On Shipper Owned Equipment (DG 100) Use to describe seal applied to equipment (Containers, DROMs) owned by the shipper.	**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: **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: [182] L7 SEGMENT - Tariff/Tender Rate Authority (DG 400)
SEGMENT CONDITION: Used for SPOT BID shipments as well as ocean shipments.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
X	**L701**	**213**	**Lading Line Item Number**	**O**	**N0 1/3**
>>	**L702**	**168**	**Tariff Agency Code**	**O**	**ID 1/4**
			Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment		
			[182-02] Tariff/Tender Rate Authority (SCAC) (DG 400) The Standard Carrier Alpha Code that prefixes the tender number. SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC - STAC), NMF 101 Series available from National Motor Freight Traffic Association, Inc.		
>>	**L703**	**171**	**Tariff Number**	**O**	**AN 1/7**
			Standard tariff number for the tariff which governs the rates applied to the commodity item(s)		
			[182-03] Tariff/Tender Number (DG 400)		
X	**L704**	**172**	**Tariff Section**	**O**	**AN 1/2**
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**
	L708	**173**	**Tariff Supplement Identifier**	**O**	**AN 1/4**
			Identifier for the tariff supplement which contains the rate used		
			[182-08] Tariff/Tender Supplement Identifier (DG 400) Enter two-digit number, using leading zero as required.		
X	**L709**	**46**	**Ex Parte**	**O**	**AN 4/4**
	L710	**373**	**Date**	**O**	**DT 8/8**
			Date expressed as CCYYMMDD		
			[182-10] Tariff/Tender Effective Date (DG 400) Include for Tailored Transportation Contract (TTC) Traffic shipments.		
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: **SL1** **Tariff Reference**
Position: 095
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To reference details of the tariff used to arrive at applicable rates or charges for customer-requested service
Syntax Notes: **1** At least one of SL103 or SL104 is required.
Semantic Notes: **1** SL101 is the service requested by the customer.
2 SL105 is the effective date.
3 SL106 is the service provided by the carrier.
Comments: **1** Scale and commodity codes are proprietary codes maintained by the carrier.
Notes: [175] SL1 SEGMENT - Level of Service (DG 300)
SEGMENT CONDITION: Required for air freight shipments.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**SL101**	**284**	**Service Level Code**		**M**	**ID 2/2**
			Code indicating the level of transportation service or the billing service offered by the transportation carrier			
			[175-01] Service Level Code (DG 300)			
			D1	Delivery Scheduled Next Day by Cartage Agent		
				[175-01] Delivery Scheduled Next Day by Cartage Agent Use 'D1' to denote Overnight		
			D2	Delivery scheduled second day by cartage agent		
				[175-01] Delivery scheduled second day by cartage agent Use 'D2' to denote Second Day		
			D3	Delivery scheduled third day by cartage agent		
				[175-01] Delivery scheduled third day by cartage agent Use 'D3' to denote Deferred		
			SG	Standard Ground		
				[175-01] Standard Ground Use 'SG' to denote Priority		
X	**SL102**	**171**	**Tariff Number**		**O**	**AN 1/7**
>>	**SL103**	**22**	**Commodity Code**		**X**	**AN 1/30**
			Code describing a commodity or group of commodities			
			[175-03] Required Element (DG 300) Enter value zero (0) to satisfy X12 syntax.			
X	**SL104**	**320**	**Scale**		**X**	**AN 1/10**
X	**SL105**	**373**	**Date**		**O**	**DT 8/8**
X	**SL106**	**284**	**Service Level Code**		**O**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.			
X	**SL107**	**146**	**Shipment Method of Payment**		**O**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.			
X	**SL108**	**982**	**Data Source Code**		**O**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.			
X	**SL109**	**210**	**International/Domestic Code**		**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.			

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:
[99] N9 SEGMENT - Requisition Number (DG 100)
SEGMENT CONDITION: Required if available.
[100] N9 SEGMENT - TCN (DG 100)
[101] N9 SEGMENT - National Stock No./Manufacturer's Part No. (DG 100)
SEGMENT CONDITION: Required if available.
[102] N9 SEGMENT - Project Code (DG 100)
SEGMENT CONDITION: Required if project code is used.
[103] N9 SEGMENT - Stop Sequence Number Cross-Reference (DG 100)
[104] N9 SEGMENT - External Tracking Number (XTN) (DG 100)
SEGMENT CONDITION: Use for USML shipments. U.S. Customs' Automated Export System uses this number.
[105] N9 SEGMENT - LIN Index Number (DG 100)
SEGMENT CONDITION: Use for Army Unit moves.
[106] N9 SEGMENT - Line Item Number (DG 100)
SEGMENT CONDITION: Use for Army Unit moves.
[107] N9 SEGMENT - Controlled Inventory Item Code (CIIC) (DG 100)
SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required and if DoD-controlled item has a CIIC assigned.
[108] N9 SEGMENT - DoD Identification Code (DoDIC) (DG 100)
SEGMENT CONDITION: Required for DTTS if the hazardous shipment contains ammunition.
[170] N9 SEGMENT - Service Performed (DG 300)
SEGMENT CONDITION: Required for accessorial/protective services.
[171] N9 SEGMENT - Stop Sequence Number (DG 300)
SEGMENT CONDITION: Required if stop-offs occur.
[188] N9 SEGMENT - Reason (Not Lowest Cost) (DG 500)
SEGMENT CONDITION: Required only if HL SEGMENT - ITO Quality Management Info Loop Qualifier is used.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N901**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification [99-01] Requisition Number Qualifier (DG 100) [100-01] TCN Qualifier (DG 100) [101-01] National Stock No./Manufacturer's Part No. Qualifier (DG 100) This qualifier must appear if NSN is used. Use Manufacturer's Part Number if NSN is not available. [102-01] Project Code Qualifier (DG 100) [103-01] Stop Sequence Number Cross-Reference Qualifier (DG 100) [104-01] Reference Identification Qualifier (DG 100) [105-01] LIN Index Number Qualifier (DG 100) [106-01] Line Item Number Qualifier (DG 100) [107-01] Controlled Inventory Item Code (CIIC) Qualifier (DG 100) [108-01] DoDIC Qualifier (DG 100)	**M ID 2/3**

[170-01] Service Performed Identifier (DG 300)
[171-01] Stop Sequence Number Qualifier (DG 300)
[188-01] Reason (Not Lowest Cost) Qualifier (DG 500)
This qualifier must appear if not lowest cost is used.

1I	Department of Defense Identification Code (DoDIC)
	Qualifies a code that uniquely identifies a type of explosive or ammunition
	[108-01] Department of Defense Identification Code (DoDIC)
1P	Accessorial Status Code
	Qualifies a single number that describes the status of an accessorial transportation service
	[170-01] Accessorial Status Code
25	Reason Not Lowest Cost Code
	Qualifies a code that identifies why a service/rate other than the least costly service/rate was used
	[188-01] Reason Not Lowest Cost Code
BCI	Basic Contract Line Item Number
	[105-01] Basic Contract Line Item Number
ED	Export Declaration
	[104-01] Export Declaration
LI	Line Item Identifier (Seller's)
	[106-01] Line Item Identifier (Seller's)
M6	Military Ordnance Security Risk Number
	A number that identifies the security risk of transporting arms and ammunition
	[107-01] Military Ordnance Security Risk Number Use 'M6' to denote Controlled Inventory Item Code (CIIC)
MF	Manufacturers Part Number
	[101-01] Manufacturers Part Number
NS	National Stock Number
	[101-01] National Stock Number
P4	Project Code
	[102-01] Project Code
QN	Stop Sequence Number
	[103-01] Stop Sequence Number [171-01] Stop Sequence Number
RQ	Purchase Requisition Number
	[99-01] Purchase Requisition Number
TG	Transportation Control Number (TCN)
	[100-01] Transportation Control Number (TCN)

>> 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
[99-02] Requisition Number (DG 100)
The requisition number which corresponds to the line item is carried in this data element.
[100-02] TCN - Transportation Control Number (DG 100)
Every line item (HL Line Item Description Loop) should identify the TCN with which it is associated.
[101-02] National Stock No./Manufacturer's Part No. (DG 100)
[102-02] Project Code (DG 100)
[103-02] Stop Sequence Number Cross-Reference (DG 100)
If stops apply to a shipment, a line item is identified with a stop by carrying the sequence number of the stop address in this data element. That sequence

			number appears in the S5 segment in the header area of the transaction set. [104-02] Reference Identification (DG 100) Use shipper DoDAAC plus TCN. [105-02] LIN Index Number (DG 100) [106-02] Line Item Number (DG 100) [107-02] Controlled Inventory Item Code (CIIC) (DG 100) SOURCE: DoD 4100.39-M (FLIS Manual) Volume 10, Table 61 [108-02] DoDIC (DG 100) Required for all ammunition and explosives. Also called Navy Ammunition Logistics Code (NALC). [170-02] Service Performed Date Qualifier (DG 300) Use the following value to denote the DoD definition as indicated: DP - Date Service was Performed [171-02] Stop Sequence Number (DG 300) If stops apply to a shipment, a service code is identified with a stop by carrying the sequence number of the stop address in this data element. That sequence number appears in the S5 segment in the header area of the transaction set. [188-02] Reason (Not Lowest Cost) (DG 500) Reference Section 6.0 of this IC for code values using applicable Reason (Not Lowest Cost) table. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: 1,10,11,12		
X	**N903**	**369**	**Free-form Description**	**X**	**AN 1/45**
	N904	**373**	**Date**	**O**	**DT 8/8**
			Date expressed as CCYYMMDD [170-04] Service Performed Date (DG 300) The date the service was performed.		
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 [100-07] Transportation Tracking Number (TTN) Composite Header (DG 100) COMPOSITE CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.		
M	**C04001**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification [100-07-01] Transportation Tracking Number (TTN) Qualifier (DG 100)		
			18 Plan Number The unique identification number assigned for a defined contribution plan [100-07-01] Plan Number Use '18' to denote Transportation Tracking Number (TTN)		
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 [100-07-02] Transportation Tracking Number (TTN). (DG 100)		
	C04003	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**
			Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.		
	C04004	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
	C04005	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**

		Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.		
C04006	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**AN 1/30**

Segment: **L5** **Description, Marks and Numbers**
Position: 130
Loop: HL Mandatory
Level: Detail
Usage: Optional (Must Use)
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:
[109] L5 SEGMENT - Classification (DG 100)
[110] L5 SEGMENT - Privately Owned Vehicle (DG 100)
SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.
[183] L5 SEGMENT - Commodity Description (DG 400)
SEGMENT CONDITION: Required if and only if HL SEGMENT - Commodity Classification Summary Loop is used.

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		
			[109-02] Description Of Articles (DG 100) Clear text description of the line item. [110-02] POV Make (DG 100) ELEMENT CONDITION: If this segment appears, at least one of L502 and L506 must be used in this segment. [183-02] Commodity Description (DG 400)		
>>	**L503**	**22**	**Commodity Code**	**X**	**AN 1/30**
			Code describing a commodity or group of commodities		
			[109-03] Classification Item No. (Commodity Code) (DG 100) When the sub-item number is available, provide it in the last two positions of this element. DIC reference is applicable only when qualified with the value 'I' in the L504. CHANGE NOTE: Length attribute and DIC reference changed per DM 1026. [183-03] Commodity Code (DG 400) If the shipment goes FAK, enter the DoD unique FAK code instead of the NMFC/UFC.		
>>	**L504**	**23**	**Commodity Code Qualifier**	**X**	**ID 1/1**
			Code identifying the commodity coding system used for Commodity Code		
			[109-04] Classification Item No. (Commodity Code) Qualifier (DG 100) [183-04] Commodity Code Qualifier (DG 400)		
			D Department of Defense Unique Codes		
			[109-04] Department of Defense Unique Codes [183-04] Department of Defense Unique Codes		
			I Milstamp AITC or Water Commodity Code		
			[109-04] Milstamp AITC or Water Commodity Code		
			L Last Contained Contents STCC		
			[109-04] Last Contained Contents STCC [183-04] Last Contained Contents STCC		
			N National Motor Freight Classification (NMFC)		
			[109-04] National Motor Freight Classification (NMFC) [183-04] National Motor Freight Classification (NMFC)		

			T	Standard Transportation Commodity Code (STCC)	
				[109-04] Standard Transportation Commodity Code (STCC) [183-04] Standard Transportation Commodity Code (STCC)	
			U	Uniform Freight Classification (UFC)	
				[109-04] Uniform Freight Classification (UFC) [183-04] Uniform Freight Classification (UFC)	
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		
			[109-06] Number On Packages (DG 100) Use to show descriptive marks and numbers on freight. [110-06] Vehicle Color (DG 100) ELEMENT CONDITION: If this segment appears, at least one of L502 and L506 must be used in this segment.		
X	**L507**	**88**	**Marks and Numbers Qualifier**	**O**	**ID 1/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**L508**	**23**	**Commodity Code Qualifier**	**X**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**L509**	**22**	**Commodity Code**	**X**	**AN 1/30**
X	**L510**	**595**	**Compartment ID Code**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		

Segment: **LH6** **Hazardous Certification**
Position: 134
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 5
Purpose: To specify the name of the person certifying that the shipment complies with the regulations and/or the actual certification
Syntax Notes: **1** If either LH602 or LH603 is present, then the other is required.
Semantic Notes:
Comments:
Notes: [111] LH6 SEGMENT - Certification Code (49 CFR Compliance) (DG 190)
SEGMENT CONDITION: Required for HAZMAT shipments.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	**LH601**	**93**	**Name** Free-form name [111-01] HAZMAT - Certifying Person (49CFR Compliance) (DG 190) Clear text. MANDATORY for all hazardous material shipments. SOURCE: 49 CFR 172.204	**O**	**AN 1/60**
>>	**LH602**	**272**	**Hazardous Certification Code** Code indicating the form of the hazardous certification [111-02] HAZMAT - Certification Code (49 CFR Compliance) (DG 190) 1 Abbreviated Hazardous Certification [111-02] Abbreviated Hazardous Certification 2 Long Form of Hazardous Certification [111-02] Long Form of Hazardous Certification	**X**	**ID 1/1**
>>	**LH603**	**273**	**Hazardous Certification Declaration** Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations [111-03] HAZMAT - Certification Declaration (49 CFR Compliance) (DG 190) Certification verbiage in accordance with 49 CFR 172.204. MANDATORY for all hazardous materials shipments. Verbiage that certifies the entire shipment should appear once in the first occurrence of the HL Line Item Description Loop. 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**
	LH604	**273**	**Hazardous Certification Declaration** Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations [111-04] HAZMAT - Certification Declaration (49 CFR Compliance) (DG 190) ELEMENT CONDITION: Use for any remainder of certification verbiage exceeding 25 characters in LH603. SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	**O**	**AN 1/25**

Segment: **NTE** **Note/Special Instruction**
Position: 140
Loop: HL Mandatory
Level: Detail
Usage: Optional
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: [112] NTE SEGMENT - DTCI Offer Record Number (DG 190)
SEGMENT CONDITION: Use for Defense Transportation Coordination Initiative (DTCI) shipments only. Required for DTCI shipments. Matches the shipper's offer record numbers that appear in corresponding 219 Transportation Service Request and a 220 Transportation Service Response.
[113] NTE SEGMENT - Vehicle Model Number (DG 190)
SEGMENT CONDITION: Use to identify the model number for military vehicles as applicable. Required for ocean shipments.
[114] NTE SEGMENT - Unit Line Number (DG 190)
SEGMENT CONDITION: Use to identify unit line number as applicable.
[115] NTE SEGMENT - Transportation Tracking Account Number (TTAN) (DG 190)
SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Account Number is applicable.
[116] NTE SEGMENT - Other Information (DG 190)
SEGMENT CONDITION: For non-ocean shipments, use to indicate line item level special instructions.
Ocean shipments use for additional comments information or rating information as needed. Repeat once for each qualifier.

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 [112-01] DTCI Offer Record Number Qualifier (DG 190) [113-01] Vehicle Model Number Qualifier (DG 1001) [114-01] Unit Line Number Qualifier (DG 2001) [115-01] Transportation Tracking Account Number (TTAN) Qualifier (DG 190) [116-01] Other Information Qualifier Code (DG 190) Shipments by other than ocean use code value 'OTH'. Ocean shipments use code values 'CIG', 'LIQ', 'ADD', and 'OCR'.	**O ID 3/3**
			ADD — Additional Information [116-01] Additional Information	
			CIG — Cigarette Information [116-01] Cigarette Information	
			EED — Equipment Description [113-01] Equipment Description	
			LIQ — Liquor Information [116-01] Liquor Information	
			OCR — Outside the Continental U.S. (OCONUS) Rating Information [116-01] Outside the Continental U.S. (OCONUS) Rating Information	
			OTH — Other Instructions	

				[116-01] Other Instructions		
			OTN	Another Type of Number Description		
				[114-01] Another Type of Number Description		
			TCF	Tariff Commodity Footnotes		
				[115-01] Tariff Commodity Footnotes Use 'TCF' to denote Transportation Tracking Account Number (TTAN)		
			UPI	Updated Information		
				[112-01] Updated Information Use 'UPI' to denote DTCI Offer Record Number Qualifier		
M	**NTE02**	**352**	**Description**		**M**	**AN 1/80**
			A free-form description to clarify the related data elements and their content			
			[112-02] DTCI Offer Record Number (DG 190) [113-02] Vehicle Model Number (DG 1001) [114-02] Unit Line Number (DG 2001) [115-02] Transportation Tracking Account Number (TTAN) (DG 190) [116-02] Other Information (DG 190) Shipments by other than ocean enter clear text information related to the line item such as velocity management instructions. Ocean shipments enter values depending on code value in NTE01 as follows: With code value 'OCR' use tariff for CONUS to Hawaii/Guam Rating Information. With code value 'CIG' or 'LIQ' use cigarette or liquor information. Repeat segment until all cigarette or liquor data has been entered.			

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:
[117] L0 SEGMENT - Billed/Rated Quantity (DG 120)
CHANGE NOTE: Segment condition updated per DM 1043. Repeat the L0 loop if there is more than one set of oversized dimensions for the same item.
[124] L0 SEGMENT - Ammunition Lot Number/Number of Pieces (DG 120)
LOOP CONDITION: Required for ocean shipments if shipment contains ammunition. Report pieces, weight, cube and ammunition lot number. Report also in MEA segment (Round Count).
[125] L0 SEGMENT - Dimensional Weight (DG 120)
LOOP CONDITION: Use when dimensional weight applies. Dimensional Weight is the chargeable weight computed on the basis of volume rather than actual weight. GFM will calculate the Dimensional Weight based on dimensions passed in the MEA segments. Shipper systems do not need to provide the Dimensional Weight.
[149] L0 SEGMENT - Shipment Gross Weight (DG 200)
LOOP CONDITION: This segment is required if and only if HL SEGMENT - Gross Weight Description Loop is used.
[151] L0 SEGMENT - Shipment Tare Weight (DG 200)
LOOP CONDITION: Required if and only if HL SEGMENT - Detail - Tare Weight Description Loop is used.
[153] L0 SEGMENT - Shipment Net Weight (DG 200)
[155] L0 SEGMENT - Shipment Net Explosive Weight (Dry) (DG 200)
LOOP CONDITION: Required if and only if HL SEGMENT - Net Explosive Weight Description Loop (English) Loop is used. Then, it is required to satisfy X12 syntax whether explosive is dry or wet.
[158] L0 SEGMENT - Shipment Net Explosive Weight (Dry) (DG 200)
[161] L0 SEGMENT - Shipment Dunnage Weight (DG 200)
LOOP CONDITION: Required if and only if HL SEGMENT - Dunnage Weight Description Loop is used.
[163] L0 SEGMENT - Shipment Pallet Weight (DG 200)
LOOP CONDITION: Required if and only if HL SEGMENT - Pallet Weight Description Loop is used.
[165] L0 SEGMENT - Shipment Skid Weight (DG 200)
LOOP CONDITION: Required if and only if HL SEGMENT - Skid Weight Description Loop is used.
[167] L0 SEGMENT - Shipment Freight Weight (DG 200)
[172] L0 SEGMENT - Service Units (DG 300)
LOOP CONDITION: Required if and only if HL SEGMENT - Accessorial/Protective Services Loop is used.
[176] L0 SEGMENT - Type of Service (DG 300)
LOOP CONDITION: Required for air freight shipments.

[179] L0 SEGMENT - Fuel Surcharge Loop Identifier (DG 301)
LOOP CONDITION: Required if and only if HL SEGMENT - Fuel Surcharge Loop is used.
[184] L0 SEGMENT - Commodity Billed/Rated Quantity (DG 400)
LOOP CONDITION: Required if and only if HL SEGMENT - Commodity Classification Summary Loop is used.
[189] L0 SEGMENT - Quality Control (DG 500)
LOOP CONDITION: This segment is required only if HL SEGMENT - ITO Quality Management Info Loop Qualifier is used.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	**L001**	**213**	**Lading Line Item Number** Sequential line number for a lading item [172-01] Service Loop Identifier (DG 300) Use value '300' to indicate service loop. [179-01] Fuel Surcharge Loop Identifier (DG 301) Use value '301' to indicate fuel surcharge loop. [189-01] Item Qualifier (DG 500) Use value '500' to satisfy X12 syntax for the Not Lowest Cost Charge Difference Loop.	**O**	**N0 1/3**
>>	**L002**	**220**	**Billed/Rated-as Quantity** Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81 [117-02] Billed/Rated Quantity (DG 120) A commodity is a single type of product or material. Transportation of a commodity is usually billed/rated by units of freight weight. A line item on a transportation bill describes a single commodity. The quantity of a line item commodity is described here in the L0 segment in the HL Detail - Line Item Description Loop. One L0 segment occurs for each type pack under the line item. There may be many line items, i.e., HL Line Item Description Loop, of the same commodity. Two rules must be followed when constructing an L0 segment: 1) If the billed/rated quantity is expressed as freight weight, it appears here. Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. The L004, L005, and L011 elements are not used. 2) If the billed/rated quantity is other than weight, such as barrels or gallons in the case of a pipeline shipment, it also appears here. If entry does not contain a decimal, decimal is assumed at right-most point of the field. In addition, the L004, L005, and L011 elements are used to carry the weight information, if required. For ocean shipments, enter line item weight. [172-02] Service Units (DG 300) The number of units (i.e. hours, 100 weight, etc.) for a specific additional service performed by the carrier. If this number is fractional, carry the decimal; if an integer, a decimal is not required. If service units do not apply, leave L002 and L003 blank. [184-02] Commodity Billed/Rated Quantity (DG 400) All quantities that appear in HL Line Item Description Loops must be accumulated by commodity and carried here within the HL Detail - Commodity Classification Summary Loop. A commodity is a single type of product or material. Transportation of a commodity is usually billed/rated by units of freight weight. A line item on a transportation bill describes a single commodity. The quantity of a line item commodity is described in the HL Detail - Line Item Description loop. There may be many line items (i.e., HL Detail - Line Item Description loops) of the same commodity. As with line item quantities, to describe accumulated quantities, two rules must be followed when constructing an L0 segment: 1) If the accumulated billed/rated quantity is expressed as freight weight, it appears here. Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. Entry should not contain a decimal;	**X**	**R 1/11**

decimal is assumed at right-most point of the field. The L004, L005, and L011 elements are not used. 2) If the accumulated billed/rated quantity is other than weight, such as barrels in the case of a pipeline shipment, it also appears here. In addition, the L004, L005, and L011 elements are used to carry the accumulated weight information, if required.

>>	**L003**	**221**	**Billed/Rated-as Qualifier**	**X**	**ID 2/2**

Code identifying the type of quantity or value on which the rate or item pricing is based

[117-03] Billed/Rated Quantity Qualifier (DG 120)
[172-03] Service Units Qualifier (DG 300)
ELEMENT CONDITION: Required if L002 is used.
SOURCE: Reference Section 6.0 of this IC for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments,Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set.
[184-03] Commodity Billed/Rated Quantity Qualifier (DG 400)

BA	Barrels Identifies a billable unit expressed as a type of container [117-03] Barrels [184-03] Barrels
GL	Gallon [117-03] Gallon [184-03] Gallon
LB	Pound [117-03] Pound [184-03] Pound

>>	**L004**	**81**	**Weight**	**X**	**R 1/10**

Numeric value of weight

[117-04] Freight Weight (DG 120)
Freight weight of line item described in pounds only. Freight weight is the weight that line haul rate is based on and may include skid, pallet, and dunnage weights, depending on the applicable tender. Skid, pallet, and dunnage weights are carried in separate MEA segments. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. See the next occurrence of the MEA segment for the weight breakdown for packing materials. Decimals are not used for ocean shipments.
[124-04] Weight (DG 120)
[125-04] Dimensional Weight (DG 120)
When applicable, dimensional weight shall be calculated using the following formula: Length x Width x Height divided by 194 equals dimensional weight (all measurements in inches).
[149-04] Shipment Gross Weight (DG 200)
The total weight for the shipment. This weight includes the shipment net weight plus the tare weight. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.
[151-04] Shipment Tare Weight (DG 200)
The actual tare weight of the shipment. Tare weight is the weight of the truck or container. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.
[153-04] Shipment Net Weight (DG 200)
The net weight of the shipment. Net weight = freight weight + skid weight + pallet weight + dunnage weight. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.
[155-04] Shipment Net Explosive Weight (Dry) (DG 200)
Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. If explosive is wet, enter value zero (0) to satisfy X12 syntax.
ELEMENT CONDITION: Enter net explosive weight if explosive is dry.

[158-04] Shipment Net Explosive Weight (Dry) (DG 200)
Use value zero (0) to satisfy X12 syntax.
[161-04] Shipment Dunnage Weight (DG 200)
Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.
[163-04] Shipment Pallet Weight (DG 200)
Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.
[165-04] Shipment Skid Weight (DG 200)
Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.
[167-04] Shipment Freight Weight (DG 200)
Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. The freight weight for all commodities should be accumulated and carried in the data element. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.
[184-04] Weight (DG 400)
If the commodity freight weight has not been expressed as commodity billed/rated quantity in L002, then it can be expressed here. If the commodity is bulk fuel or another commodity that requires weight in addition to units shipped, carry the commodity's freight weight here and carry the units shipped in L002 and L003. Otherwise, carry all commodity weights in the L002 and L003. Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.

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

Code defining the type of weight

[117-05] Freight Weight Qualifier (DG 120)
ELEMENT CONDITION: Required if L004 is used.
[124-05] Weight Qualifier (DG 120)
[125-05] Dimensional Weight Qualifier (DG 120)
[149-05] Shipment Gross Weight Qualifier (DG 200)
[151-05] Shipment Tare Weight Qualifier (DG 200)
[153-05] Shipment Net Weight Qualifier (DG 200)
[155-05] Shipment Net Explosive Weight Qualifier (DG 200)
This element is required to satisfy X12 syntax whether explosive is dry or wet.
[158-05] Shipment Net Explosive Weight Qualifier (DG 200)
This element is required to satisfy X12 syntax whether explosive is dry or wet.
[161-05] Shipment Dunnage Weight Qualifier (DG 200)
[163-05] Shipment Pallet Weight Qualifier (DG 200)
[165-05] Shipment Skid Weight Qualifier (DG 200)
[167-05] Shipment Freight Weight Qualifier (DG 200)
[184-05] Weight Qualifier (DG 400)
ELEMENT CONDITION: Required if L004 is used.

A	Consolidated Weight
	[117-05] Consolidated Weight
A1	Dimensional Weight
	[117-05] Dimensional Weight [124-05] Dimensional Weight [125-05] Dimensional Weight
A2	Reweighed By Carrier
	[117-05] Reweighed By Carrier
A3	Shippers Weight
	[117-05] Shippers Weight
A4	Average Weight per Load
	[117-05] Average Weight per Load
B	Billed Weight

	[117-05] Billed Weight
C	Actual Net Repeated for Combination
	[117-05] Actual Net Repeated for Combination
CD	Chargeable Dunnage
	The weight of material used to protect material in transit for which a charge is paid
	[117-05] Chargeable Dunnage [161-05] Chargeable Dunnage
CE	Certified Weight of Cargo
	[117-05] Certified Weight of Cargo [155-05] Certified Weight of Cargo [158-05] Certified Weight of Cargo
D	Destination Weight Agreement
	[117-05] Destination Weight Agreement
DR	Drained Weight
	[117-05] Drained Weight
E	Estimated Net Weight
	[117-05] Estimated Net Weight
F	Deficit Weight
	[117-05] Deficit Weight
FR	Freight Weight
	[117-05] Freight Weight [124-05] Freight Weight [167-05] Freight Weight [184-05] Freight Weight
G	Gross Weight
	[117-05] Gross Weight [149-05] Gross Weight
H	Weight Per 100 Feet
	[117-05] Weight Per 100 Feet
I	Weight Per 1000 Feet
	[117-05] Weight Per 1000 Feet
J	Light Weight
	[117-05] Light Weight
K	Clean Out
	[117-05] Clean Out
L	Legal Weight
	[117-05] Legal Weight
LC	Maximum Lading Capacity
	[117-05] Maximum Lading Capacity
M	Minimum Weight (for rate)
	[117-05] Minimum Weight (for rate)
N	Actual Net Weight
	[117-05] Actual Net Weight [153-05] Actual Net Weight
ND	Nonchargeable Dunnage
	The weight of material used to protect material in transit for which there is no charge
	[117-05] Nonchargeable Dunnage
NI	Non-Temporary Storage Weight In
	[117-05] Non-Temporary Storage Weight In
NR	Non-Temporary Storage Weight Re-handled
	[117-05] Non-Temporary Storage Weight Re-handled
NT	Non-Temporary Storage Weight Out

	[117-05] Non-Temporary Storage Weight Out
O	Excess Weight Over Maximum
	[117-05] Excess Weight Over Maximum
P	Weight Per 100 Units
	[117-05] Weight Per 100 Units
PA	Pallet Weight
	[117-05] Pallet Weight [163-05] Pallet Weight
Q	Weight Per 1000 Units
	[117-05] Weight Per 1000 Units
R	Per Unit Dunnage
	[117-05] Per Unit Dunnage
RG	Reweigh Gross Weight
	[117-05] Reweigh Gross Weight
RN	Reweigh Net Weight
	[117-05] Reweigh Net Weight
RT	Reweigh Tare Weight
	[117-05] Reweigh Tare Weight
S	State Weight
	[117-05] State Weight
SF	Storage in Transit Final Weight Out
	[117-05] Storage in Transit Final Weight Out
SI	Storage in Transit Weight in
	[117-05] Storage in Transit Weight in
SK	Skid Weight
	[117-05] Skid Weight [165-05] Skid Weight
SO	Storage in Transit Weight Out
	[117-05] Storage in Transit Weight Out
T	Tare Weight
	[117-05] Tare Weight [151-05] Tare Weight
U	Weight Per Unit
	[117-05] Weight Per Unit
V	Non Transit Weight (On Transit Bills Only)
	[117-05] Non Transit Weight (On Transit Bills Only)
W	Transit Weight (On Transit Bills Only)
	[117-05] Transit Weight (On Transit Bills Only)
WA	Administrative Weight Allowance
	[117-05] Administrative Weight Allowance
WB	Unaccompanied Baggage Weight
	[117-05] Unaccompanied Baggage Weight
WG	Professional Gear Weight
	[117-05] Professional Gear Weight
WJ	Joint Travel Regulation Weight
	[117-05] Joint Travel Regulation Weight
X	Maximum Weight (for Rate)
	[117-05] Maximum Weight (for Rate)
Y	Theoretical Weight
	[117-05] Theoretical Weight
Z	Mutually Defined
	[117-05] Mutually Defined

>>	**L006**	**183**	**Volume** Value of volumetric measure [117-06] Cube (DG 120) Cube of line item. [124-06] Cube (DG 120) ELEMENT CONDITION: Required for ocean shipments.	**X**	**R 1/8**
>>	**L007**	**184**	**Volume Unit Qualifier** Code identifying the volume unit [117-07] Cube Qualifier (DG 120) [124-07] Cube Qualifier (DG 120) E — Cubic Feet [117-07] Cubic Feet [124-07] Cubic Feet G — Gallons [117-07] Gallons H — Hundreds of Measurement Tons [117-07] Hundreds of Measurement Tons S — Measurement Ton [117-07] Measurement Ton V — Liter [117-07] Liter X — Cubic Meters [117-07] Cubic Meters	**X**	**ID 1/1**
>>	**L008**	**80**	**Lading Quantity** Number of units (pieces) of the lading commodity [117-08] Type Pack Quantity (DG 120) Enter the Type Pack Quantity. For ocean shipments, enter number of pieces. [124-08] Number of Pieces (DG 120) ELEMENT CONDITION: Required for ocean shipments.	**X**	**N0 1/7**
>>	**L009**	**211**	**Packaging Form Code** Code for packaging form of the lading quantity [117-09] Type Pack Qualifier (DG 120) SOURCE: Reference Section 6.0 of this IC for code values using the table that contains the applicable type pack qualifier. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: BAG,BAL,BBL,BDL,MSV [124-09] Packaging Form Code (for number of pieces) (DG 120) PCS — Pieces [124-09] Pieces	**X**	**ID 3/3**
	L010	**458**	**Dunnage Description** Material used to protect lading [117-10] Type Pack Sub Qualifier (DG 120) ELEMENT CONDITION: Use this value to identify specific MSCVAN and SEAVAN configurations. SOURCE: Reference Section 6.0 of this IC for code values using the table that contains the applicable type pack qualifier. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: BAG,BAL,BBL,BDL,MSV [124-10] Ammunition Lot Number (DG 120) Use leading zero as necessary to provide a minimum of two characters. BAG — New Code Added by IC [117-10] BAL — New Code Added by IC [117-10] BBL — New Code Added by IC	**O**	**AN 2/25**

[117-10]

BDL New Code Added by IC

[117-10]

BOX New Code Added by IC

[117-10]

BSK New Code Added by IC

[117-10]

>>	**L011**	**188**	**Weight Unit Code**	**O**	**ID 1/1**

Code specifying the weight unit

[117-11] Freight Weight Unit Code (DG 120)
ELEMENT CONDITION: Required if L004 is used.
Sample Values: BAG,BAL,BBL,BDL,MSV
[125-11] Weight Unit Code (DG 120)
[149-11] Shipment Gross Weight Unit Qualifier (DG 200)
[151-11] Shipment Tare Weight Unit Qualifier (DG 200)
[153-11] Shipment Net Weight Unit Qualifier (DG 200)
[155-11] Shipment Net Explosive Weight Qualifier (Dry) (DG 200)
ELEMENT CONDITION: Use this element only if explosive is dry.
[158-11] Shipment Net Explosive Weight Qualifier (Dry) (DG 200)
ELEMENT CONDITION: Use this element only if explosive is dry.
[161-11] Shipment Dunnage Weight Unit Qualifier (DG 200)
[163-11] Shipment Pallet Weight Unit Qualifier (DG 200)
[165-11] Shipment Skid Weight Unit Qualifier (DG 200)
[167-11] Shipment Freight Weight Unit Qualifier (DG 200)
[184-11] Weight Unit Qualifier (DG 400)
ELEMENT CONDITION: Required if L004 is used.

E Metric Ton

[117-11] Metric Ton
[125-11]
[149-11]
[151-11]
[153-11]
[155-11]
[158-11]
[161-11]
[163-11]
[165-11]
[167-11]
[184-11]

G Grams

[117-11] Grams
[125-11]
[149-11]
[151-11]
[153-11]
[155-11]
[158-11]
[161-11]
[163-11]
[165-11]
[167-11]
[184-11]

K Kilograms

[117-11] Kilograms
[125-11]
[149-11]
[151-11]
[153-11]
[155-11]

	[158-11] [161-11] [163-11] [165-11] [167-11] [184-11]
L	Pounds
	[117-11] Pounds [125-11] [149-11] [151-11] [153-11] [155-11] [158-11] [161-11] [163-11] [165-11] [167-11] [184-11]
M	Measurement Ton
	[117-11] Measurement Ton [125-11] [149-11] [151-11] [153-11] [155-11] [158-11] [161-11] [163-11] [165-11] [167-11] [184-11]
O	Ounces
	[117-11] Ounces [125-11] [149-11] [151-11] [153-11] [155-11] [158-11] [161-11] [163-11] [165-11] [167-11] [184-11]
S	Short Ton
	[117-11] Short Ton [125-11] [149-11] [151-11] [153-11] [155-11] [158-11] [161-11] [163-11] [165-11] [167-11] [184-11]
T	Long Ton
	[117-11] Long Ton

			[125-11] [149-11] [151-11] [153-11] [155-11] [158-11] [161-11] [163-11] [165-11] [167-11] [184-11]		
>>	**L012**	**56**	**Type of Service Code**	**O**	**ID 2/2**
			Code specifying extent of transportation service requested		
			[176-12] Type of Service Code (DG 300)		
			AA New Code Added by IC		
			[176-12] [Migration Code] Airport to Airport		
			DD Door to Door		
			[176-12] Door to Door		
			DR Door to Ramp		
			[176-12] Door to Ramp		
	L013	**380**	**Quantity**	**X**	**R 1/15**
			Numeric value of quantity		
			[117-13] Over-dimensional Pieces, Quantity (DG 120) Used to indicate the number of oversized pieces. If there are multiple over-dimensional items (all the same size), send as one line item and indicate total quantity here. Required for ocean shipments when there is more than one set of oversized dimensions for the same item. Sample Values: BAG,BAL,BBL,BDL,MSV		
X	**L014**	**211**	**Packaging Form Code**	**O**	**ID 3/3**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	L015	**1073**	**Yes/No Condition or Response Code**	**X**	**ID 1/1**
			Code indicating a Yes or No condition or response		
			[117-15] Oversized Item Indicator (DG 120) ELEMENT CONDITION: Required if L013 is used. Required for ocean shipments when there is more than one set of oversized dimensions for the same item. Sample Values: BAG,BAL,BBL,BDL,MSV		
			N No		
			[117-15] No		
			Y Yes		
			[117-15] Yes		

Segment: **L1** **Rate and Charges**
Position: 150
Loop: L0 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: 20
Purpose: To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements
Syntax Notes:
1 If either L102 or L103 is present, then the other is required.
2 At least one of L104 L105 or L106 is required.
3 If either L114 or L115 is present, then the other is required.
4 If either L117 or L118 is present, then the other is required.
Semantic Notes:
1 L119 is the percent used to determine the charge in L104.
2 L120, if used, indicates the currency for all monetary amounts in this L1 segment.
3 L121 is the origin rated as charge amount.
Comments:
Notes:
[118] L1 SEGMENT - Declared Value of Bill of Lading Line Item (DG 120)
SEGMENT CONDITION: Declared value is required for all shipments that will be processed through a foreign host nation's customs and border clearance program.
[173] L1 SEGMENT - Service Rate (DG 300)
SEGMENT CONDITION: Required if and only if L0 SEGMENT - Service Units is used.
[177] L1 SEGMENT - Air Code (DG 300)
SEGMENT CONDITION: Required for air freight shipments.
[180] L1 SEGMENT - Fuel Surcharge (DG 301)
SEGMENT CONDITION: Required if and only if L0 SEGMENT - Fuel Surcharge Loop Identifier is used.
[185] L1 SEGMENT - Freight Rate (DG 400)
SEGMENT CONDITION: Required if and only if L0 SEGMENT - Commodity Billed/Rated Quantity is used.
[190] L1 SEGMENT - Not Lowest Cost Charge Difference (DG 500)
SEGMENT CONDITION: Required if and only if L0 SEGMENT - Quality Control is used.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
X	**L101**	**213**	**Lading Line Item Number**	**O**	**N0 1/3**
	L102	**60**	**Freight Rate** Rate that applies to the specific commodity [173-02] Service Rate (DG 300) [180-02] Fuel Surcharge Rate (DG 301) [185-02] Freight Rate (DG 400) Enter freight rate applied to the shipment of the commodity. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	**X**	**R 1/9**
	L103	**122**	**Rate/Value Qualifier** Code qualifying how to extend charges or interpret value [173-03] Service Rate Qualifier (DG 300) ELEMENT CONDITION: Required if L102 is used. SOURCE: Reference Section 6.0 of this IC for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments, Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: FC,NM,P1,PM,XP [180-03] Fuel Surcharge Rate Qualifier (DG 301) [185-03] Freight Rate Qualifier (DG 400)	**X**	**ID 2/2**

ELEMENT CONDITION: Required if L102 is used.
SOURCE: Reference Section 6.0 of this IC for code values using applicable Freight Rate Qualifier table. Common code values associated with multiple definitions prevents documentation of the entire sub-set.
Sample Values: AV,CW,DH,DR,DS

PW	Percentage of Charges
	[180-03] Percentage of Charges

>>	**L104**	**58**	**Charge**	**X**	**N2 1/12**

For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified

[118-04] Charge (DG 120)
Code identifying the type of identification number of Depository Financial Institution (DFI)
CHANGE NOTE: Data Element added per DM 1028
[173-04] Service Charge (DG 300)
The charge for an accessorial or protective service. If the shipper does not know the charge, enter '00' in this data element. A two-position decimal is implied in this data.
Sample Values: FC,NM,P1,PM,XP
[177-04] Air Charge (DG 300)
Use value '000'.
[180-04] Fuel Surcharge (DG 301)
The charge allowed for fuel surcharge.
[185-04] Freight Charge (DG 400)
The total line haul charge for the specific commodity described in L503.
Sample Values: AV,CW,DH,DR,DS
[190-04] Not Lowest Cost Charge Difference (DG 500)
Use value zero (0) if no charge difference is available.

00	New Code Added by IC
	[118-04] Use value '00' to meet X12 syntax requirements.

X	**L105**	**191**	**Advances**	**X**	**N2 1/9**
X	**L106**	**117**	**Prepaid Amount**	**X**	**N2 1/9**
X	**L107**	**120**	**Rate Combination Point Code**	**O**	**AN 3/9**

Refer to 004010 Data Element Dictionary for acceptable code values.

>>	**L108**	**150**	**Special Charge or Allowance Code**	**O**	**ID 3/3**

Code identifying type of special charge or allowance

[173-08] Service Identifier Code (DG 300)
Code values apply both to services requested and received.

See Section 6.0 for valid code list.
SOURCE: Reference Section 6.0 of this IC, beginning on page 6.14, for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments,Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set.
Sample Values: FC,NM,P1,PM,XP,045,495,500,AAM,AAS
[177-08] Air Code (DG 300)
[180-08] Fuel Surcharge Service Identifier (DG 301)

405	Fuel Surcharge
	[180-08] Fuel Surcharge Use '405' to denote Fuel Surcharge for Air and Fuel Adjustment for non-Air
AIR	Air Freight
	[177-08] Air Freight

>>	**L109**	**121**	**Rate Class Code**	**O**	**ID 1/3**

Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k

[185-09] Type of Rate Qualifier (DG 400)
Qualifies the authority (tender/tariff) number identified in the HL Detail - Line Item Description loop, L7 segment.
Sample Values: AV,CW,DH,DR,DS

A	Alternate Rating
	[185-09] Alternate Rating
C	Specific Commodity Rate
	[185-09] Specific Commodity Rate
I	Class Not Identifiable
	[185-09] Class Not Identifiable
L	Class Rate
	[185-09] Class Rate
QUO	Quoted Rate
	[185-09] Quoted Rate
Y	Exception Rating
	[185-09] Exception Rating

X	**L110**	**39**	**Entitlement Code**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**L111**	**16**	**Charge Method of Payment**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	L112	**276**	**Special Charge Description**	**O**	**AN 2/25**
			Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150		

[173-12] Service Description (DG 300)
Some accessorial services such as empty movements and stops (including stop-offs, inside pickup and delivery, and objective service supply deliveries) require a Standard Point Location Code (SPLC) to describe where the service was performed. This information is required to determine the charge for the service.
SOURCE: Reference Section 6.0 of this IC for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments,Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set.
Sample Values: FC,NM,P1,PM,XP,045,495,500,AAM,AAS,LTL,TL

X	**L113**	**257**	**Tariff Application Code**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
>>	**L114**	**74**	**Declared Value**	**X**	**N2 2/12**
			Monetary assigned value expressed in the standard monetary denomination for the currency specified		

[118-14] Declared Value (DG 120)
Enter the actual value or selling price per TCN (include total bill of lading line item quantity cost).
[185-14] Declared Value (DG 400)
ELEMENT CONDITION: Required for proper application of rates for certain commodities.
Sample Values: AV,CW,DH,DR,DS

>>	**L115**	**122**	**Rate/Value Qualifier**	**X**	**ID 2/2**
			Code qualifying how to extend charges or interpret value		

[118-15] Rate/Value Qualifier (DG 120)
[185-15] Declared Value Rate Qualifier (DG 400)
ELEMENT CONDITION: Required if L114 is used.
Sample Values: AV,CW,DH,DR,DS

			CO	Cost per Unit	
				[118-15] Cost per Unit Use 'CO' to denote Total Cost per TCN	
			LA	Per Pound Per Article	
				[185-15] Per Pound Per Article	
			LB	Per Pound	
				[185-15] Per Pound	
			LV	Per Pound Per Vehicle	
				[185-15] Per Pound Per Vehicle	
			PV	Per Vehicle	
				[185-15] Per Vehicle	
X	**L116**	**372**	**Lading Liability Code**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**L117**	**220**	**Billed/Rated-as Quantity**	**X**	**R 1/11**
X	**L118**	**221**	**Billed/Rated-as Qualifier**	**X**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**L119**	**954**	**Percent**	**O**	**R 1/10**
X	**L120**	**100**	**Currency Code**	**O**	**ID 3/3**
X	**L121**	**610**	**Amount**	**O**	**N2 1/15**

Segment: **MEA** **Measurements**
Position: 160
Loop: L0 Optional (Must Use)
Level: Detail
Usage: Optional
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:
[119] MEA SEGMENT - Packaging Material Weight (DG 120)
SEGMENT CONDITION: Use to provide weight breakout per type pack per commodity per shipment unit.
[120] MEA SEGMENT - Shipped Dimensions (DG 120)
SEGMENT CONDITION: Required if the shipment is oversize or if air shipment. (GFM needs dimensions to cost air shipment.) All dimensions are required for all 3PL carrier shipments.
[121] MEA SEGMENT - Net Explosive Weight (English) (DG 120)
For OCONUS shipments, NEW facilitates compliance with 1MDGC.
SEGMENT CONDITION: Required for all shipment modes; include if available. English (and metric) units are required to comply with 49 CFR 171.10.
[122] MEA SEGMENT - Net Explosive Quantity (Metric) (DG 120)
For OCONUS shipments, NEW facilitates compliance with 1MDGC.
SEGMENT CONDITION: Required if available. Metric (and English) units are required to comply with 49 CRF 171.10.
[123] MEA SEGMENT - Round Count (DG 120)
SEGMENT CONDITION: Required if shipment contains ammunition.
[156] MEA SEGMENT - Shipment Net Explosive Weight (Wet) (DG 200)
SEGMENT CONDITION: Use this segment only if explosive is wet.
[159] MEA SEGMENT - Shipment Net Explosive Weight (Wet) (DG 200)
SEGMENT CONDITION: Use this segment only if explosive is wet.

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 [119-01] Packaging Material Qualifier (DG 120) Weight breakout per type pack per commodity per shipment unit is carried in the MEA segment. For each type of packing material weight breakout, use an individual MEA segment. [120-01] Shipped Dimensions Information Qualifier (DG 120) [121-01] Net Explosive Weight Qualifier (DG 120) [122-01] Net Explosive Quantity Qualifier (DG 120) [123-01] Round Count Qualifier (DG 120) [156-01] Shipment Net Explosive Weight Qualifier (Wet) (DG 200) [159-01] Shipment Net Explosive Weight Qualifier (Wet) (DG 200) CT Counts [123-01] Counts DN Dunnage Dimension [119-01] Dunnage Dimension NX Net Explosive Weight	**O ID 2/2**

			[121-01] Net Explosive Weight [156-01] Net Explosive Weight [159-01] Net Explosive Weight		
			PA Pallet Dimensions		
			[119-01] Pallet Dimensions		
			SD Shipped Dimensions		
			[120-01] Shipped Dimensions		
			SK Skid Dimensions		
			[119-01] Skid Dimensions		
			WT Weights		
			[122-01] Weights Use 'WT' to denote Net Explosive Quantity		
>>	**MEA02**	**738**	**Measurement Qualifier**	**O**	**ID 1/3**
			Code identifying a specific product or process characteristic to which a measurement applies		
			[119-02] Packaging Material Weight Qualifier (DG 120) [120-02] Shipped Dimensions Qualifier (DG 120) GFM will calculate oversize dimensions from shipper provided information.		
			B Billed Weight		
			[119-02] Billed Weight		
			HT Height		
			[120-02] Height		
			LN Length		
			[120-02] Length		
			WD Width		
			[120-02] Width		
>>	**MEA03**	**739**	**Measurement Value**	**X**	**R 1/20**
			The value of the measurement		
			[119-03] Packaging Material Weight (DG 120) The weight for any component of the packaging material (e.g. skid, pallet, dunnage weights). Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [120-03] Shipped Dimensions Units (DG 120) Use for values of oversize dimensions. [121-03] Net Explosive Weight (DG 120) If net explosive weight is available for an individual line item, carry that weight in this data element. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [122-03] Net Explosive Quantity (DG 120) Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [123-03] Round Count (DG 120) [156-03] Shipment Net Explosive Weight (Wet) (DG 200) Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [159-03] Shipment Net Explosive Weight (Wet) (DG 200) Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.		
>>	**MEA04**	**C001**	**Composite Unit of Measure**	**X**	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
			[119-04] Unit or Basis for Measurement Code (DG 120) C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter. [120-04] Unit or Basis for Measurement Code (DG 120) C00101 calls for an identifier from the DE 355 code list. The element separator		

is not used in this template. Its elements are concatenated together without using a delimiter.
[121-04] Composite Unit of Measurement Code (DG 120)
[122-04] Composite Unit of Measurement Code (DG 120)
[123-04] Composite Unit of Measurement Code (DG 120)
[156-04] Composite Unit of Measure (Wet) (DG 200)
C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter.
[159-04] Composite Unit of Measure (DG 200)
C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter.

M	**C00101**	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**

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

[119-04-01] Unit or Basis for Measurement Code (DG 120)
By placing code value 'PN' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element.
[120-04-01] English Measurement Code (DG 120)
By placing code value 'FT' or 'IN' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element.
[121-04-01] Net Explosive Weight Qualifier (English) (DG 120)
Both metric and English units are required to comply with 49 CFR 171.10. By placing these code values (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. Use 'GA' if explosive is wet. Use 'PN' if explosive is dry.
[122-04-01] Net Explosive Quantity Qualifier (Metric) (DG 120)
By placing these code values (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. Use 'KG' if explosive is dry. Use 'LT' if explosive is wet.
[123-04-01] Round Count Qualifier (DG 120)
By placing code value 'RO' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element.
[156-04-01] Shipment Net Explosive Weight Qualifier (Wet) (DG 200)
By placing code value 'GA' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element.
[159-04-01] Shipment Net Explosive Weight Qualifier (Wet) (DG 200)
By placing code value 'LT' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element.

FT	Foot
	[120-04-01] Foot
GA	Gallon
	[121-04-01] Gallon [156-04-01] Gallon
IN	Inch
	[120-04-01] Inch
KG	Kilogram
	[122-04-01] Kilogram
LT	Liter
	[122-04-01] Liter [159-04-01] Liter
PN	Pounds Net
	[119-04-01] Pounds Net [121-04-01] Pounds Net
RO	Round
	[123-04-01] Round

	C00102	**1018**	**Exponent**	**O**	**R 1/15**

			Power to which a unit is raised		
	C00103	**649**	**Multiplier**	**O**	**R 1/10**
			Value to be used as a multiplier to obtain a new value		
	C00104	**355**	**Unit or Basis for Measurement Code**	**O**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.		
	C00105	**1018**	**Exponent**	**O**	**R 1/15**
			Power to which a unit is raised		
	C00106	**649**	**Multiplier**	**O**	**R 1/10**
			Value to be used as a multiplier to obtain a new value		
	C00107	**355**	**Unit or Basis for Measurement Code**	**O**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.		
	C00108	**1018**	**Exponent**	**O**	**R 1/15**
			Power to which a unit is raised		
	C00109	**649**	**Multiplier**	**O**	**R 1/10**
			Value to be used as a multiplier to obtain a new value		
	C00110	**355**	**Unit or Basis for Measurement Code**	**O**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.		
	C00111	**1018**	**Exponent**	**O**	**R 1/15**
			Power to which a unit is raised		
	C00112	**649**	**Multiplier**	**O**	**R 1/10**
			Value to be used as a multiplier to obtain a new value		
	C00113	**355**	**Unit or Basis for Measurement Code**	**O**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.		
	C00114	**1018**	**Exponent**	**O**	**R 1/15**
			Power to which a unit is raised		
	C00115	**649**	**Multiplier**	**O**	**R 1/10**
			Value to be used as a multiplier to obtain a new value		
X	**MEA05**	**740**	**Range Minimum**	**X**	**R 1/20**
X	**MEA06**	**741**	**Range Maximum**	**X**	**R 1/20**
X	**MEA07**	**935**	**Measurement Significance Code**	**O**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**MEA08**	**936**	**Measurement Attribute Code**	**X**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**MEA09**	**752**	**Surface/Layer/Position Code**	**O**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**MEA10**	**1373**	**Measurement Method or Device**	**O**	**ID 2/4**
			Refer to 004010 Data Element Dictionary for acceptable code values.		

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:
[126] LH1 SEGMENT - HAZMAT Quantities (DG 190)
LOOP CONDITION: DG 190 required if the shipment contains hazardous material and/or the Defense Transportation Tracking System (DTTS) is required.
[186] LH1 SEGMENT - HAZMAT Quantities (DG 400)
LOOP CONDITION: Use this segment if the commodity is hazardous material.

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 [126-01] HAZMAT - Unit Of Measure Code (DG 190) Contains the code identifying the Unit of Measure (type of packaging) for which the data in LH102 is reported. Use LH106 to express weight and volume. SOURCE: Reference Section 6.0 of this IC for code values using applicable tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: BA,BD,BG,BX,CH [186-01] HAZMAT - Unit Of Measure Code (DG 400) Use 'ZZ' in this data element and zero (0) in LH102 to indicate commodity requires a HAZMAT indicator. ZZ Mutually Defined [186-01] Mutually Defined	**M**	**ID 2/2**
M	**LH102**	**80**	**Lading Quantity** Number of units (pieces) of the lading commodity [126-02] HAZMAT - Lading Quantity (DG 190) Contains the number of units (pieces) of the lading commodity that is Hazardous. SOURCE: 49 CFR 172.202(c) Sample Values: BA,BD,BG,BX,CH [186-02] HAZMAT - Lading Quantity (DG 400) Use the value zero (0).	**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 [126-03] HAZMAT - UN/NA ID Code (DG 190) SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications Sample Values: BA,BD,BG,BX,CH	**O**	**ID 6/6**
X	**LH104**	**200**	**Hazardous Materials Page**	**O**	**AN 1/6**

X	**LH105**	**22**	**Commodity Code**	**O**	**AN 1/30**
	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

[126-06] HAZMAT - English Measurement Code (DG 190)
Use the unit of measure codes for quantity or volume of non bulk shipments. This will typically be pounds, cubic feet, or a unit of measure other than pieces. If the weight of the hazardous material is measured in other than the above listed Weight Units of Measure, refer to X12 Standard, DE 355. Use LH101 to express type of packaging.
ELEMENT CONDITION: Required if LH107 or LFH (Metric Weight) is used.
Sample Values: BA,BD,BG,BX,CH

20	20 Foot Container A sea-land rectangular container box whose capacity is defined by its longest dimension and by which product shipments are measured and billed [126-06] 20 Foot Container
BR	Barrel [126-06] Barrel
CW	Hundred Pounds (CWT) [126-06] Hundred Pounds (CWT)
D2	Shares [126-06] Shares
FO	Fluid Ounce [126-06] Fluid Ounce
GA	Gallon [126-06] Gallon
H4	Hectoliter Metric measure for 100 liters [126-06] Hectoliter
LB	Pound [126-06] Pound
LG	Long Ton 2240 pounds as used in the U.K. [126-06] Long Ton
M0	Magnetic Tapes Number of Magnetic Tapes delivered with data [126-06] Magnetic Tapes
NS	Short Ton Two thousand pounds [126-06] Short Ton
OZ	Ounce - Av [126-06] Ounce - Av
PS	Pounds per Sq. Inch [126-06] Pounds per Sq. Inch
PT	Pint [126-06] Pint
Q2	Pint U.S. Dry Volume equal to 33.6003125 cubic inches [126-06] Pint U.S. Dry
QT	Quart [126-06] Quart

	LH107	**380**	**Quantity**	**O**	**R 1/15**

			Numeric value of quantity		
			[126-07] HAZMAT - Quantity (DG 190) Quantity refers to the amount (i.e., weight in pounds, volume in cubic feet, or other such measurement) of the hazardous material commodity that is to be transported. Sample Values: BA,BD,BG,BX,CH		
X	**LH108**	**595**	**Compartment ID Code**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	LH109	**665**	**Residue Indicator Code**	**O**	**ID 1/1**
			Code indicating that the material being described is that which remains in a packaging (including a tank car) after it has been unloaded		
			[126-09] HAZMAT - Residue Indicator Code (DG 190) Use code value 'R' to indicate that the unit being shipped is empty and contains a residue from a prior movement. In this situation, L504 should use code value 'L' to indicate 'Last Contained Contents'. SOURCE: 40 CFR 172.203(e) Sample Values: BA,BD,BG,BX,CH		
			R — Residue Last Contained Description (Tank Car) [126-09] Residue Last Contained Description (Tank Car)		
	LH110	**254**	**Packing Group Code**	**O**	**ID 1/3**
			Code indicating degree of danger in terms of Roman number I, II or III		
			[126-10] HAZMAT - Packing Group Code (DG 190) Indicate the required packing group using Roman Numeral I, II, or III to indicate the degree of danger. SOURCE: 49 CFR, Table 172.101 Sample Values: BA,BD,BG,BX,CH		
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: [127] LH2 SEGMENT - HAZMAT Classification (DG 190)
SEGMENT CONDITION: Required for loaded and unloaded HAZMAT shipments.

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 [127-01] HAZMAT - Hazardous Class/Division (DG 190) Identify the hazard class or division prescribed for the material as shown in column 3 of 49 CFR Table 172.101. If there is no hazard class or division, use the code in that column, such as ORM-D (Other Regulated Material), reference 49 CFR 173.2. If there is a subsidiary hazard but no hazard class or division, use code value 'NA'. A material for which the entry in this column is 'Forbidden' may not be offered for transportation nor be transported. This segment needs to be repeated for each subsidiary hazard. SOURCE: 49 CFR 172.101;49 CFR 173.2	**O**	**ID 1/30**
>>	**LH202**	**983**	**Hazardous Class Qualifier** Code qualifying hazardous class [127-02] HAZMAT - Hazard Class Qualifier (DG 190) Repeat the LH2 segment as necessary to identify the primary and each subsidiary (secondary) hazard of the material being shipped. P Primary [127-02] Primary S Secondary [127-02] Secondary	**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 [127-05] HAZMAT - Reportable Quantity (DG 190) For empty packagings or units containing the residue of a hazardous material. ELEMENT CONDITION: Required if necessary to indicate a reportable quantity is present in the shipment. SOURCE: 49 CFR 172.203(e) RQ Reportable Quantity [127-05] 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 [127-06] HAZMAT Flashpoint Temperature Code (DG 190) ELEMENT CONDITION: Required if LH207 is used.	**X**	**ID 2/2**

			CE	Centigrade, Celsius		
				[127-06] Centigrade, Celsius Use 'CE' to denote Centigrade		
			FA	Fahrenheit		
				[127-06] Fahrenheit		
	LH207	**408**	**Temperature**		**X**	**R 1/4**
			Temperature			
			[127-07] HAZMAT Flashpoint Temperature (DG 190)			
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: [128] LH3 SEGMENT - HAZMAT Names (DG 190)
SEGMENT CONDITION: Required for empty/unloaded HAZMAT shipments; this segment should contain the last contents shipping name.

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 [128-01] HAZMAT - Proper Shipping Name (DG 190) MANDATORY for all hazardous material shipments including ammunition and explosives. Create additional LH301 segment(s) for remainder of Proper Shipping Name exceeding 25 characters. SOURCE: 49 CFR 172.101; 49 CFR 172.202	**X AN 1/25**
>>	**LH302**	**984**	**Hazardous Material Shipping Name Qualifier** Qualifier indicating the source (regulatory) of the proper shipping name [128-02] HAZMAT - Proper Shipping Name Qualifier (DG 190) C Canadian Shipping Name [128-02] Canadian Shipping Name D Domestic (United States) Shipping Name [128-02] Domestic (United States) Shipping Name I International Shipping Name [128-02] International Shipping Name	**X ID 1/1**
	LH303	**985**	**N.O.S. Indicator Code** Code indicating the type of regulatory requirements that apply to a description; N.O.S. stands for Not Otherwise Specified [128-03] HAZMAT - N.O.S. Indicator Code (DG 190) If this field is used, an LFH segment must follow using code value 'TEC' in LFH01. NOS N.O.S. Regulatory Requirements Apply [128-03] N.O.S. Regulatory Requirements Apply	**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:
[129] LFH SEGMENT - HAZMAT Remarks (DG 190)
SEGMENT CONDITION: Required for HAZMAT shipments requiring specific labeling.
[130] LFH SEGMENT - Round Count (DG 190)
SEGMENT CONDITION: Required for TCACCIS moves only.
[131] LFH SEGMENT - HAZMAT Metric Weight (DG 190)
SEGMENT CONDITION: Required if LH107 is used. Use along with LH106 for HAZMAT explosive materials.
[132] LFH SEGMENT - Net Explosive Weight (English) (DG 190)
SEGMENT CONDITION: Required for TCACCIS moves only.
[133] LFH SEGMENT - Net Explosive Weight (Metric) (DG 190)
SEGMENT CONDITION: Required for TCACCIS moves only.

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 [129-01] HAZMAT - Additional Basic Description Information Qualifier (DG 190) Contains the hazardous material shipment information qualifier indicating the type of information being passed. MANDATORY for all explosives unless otherwise noted in 49 CFR 172.320. Use interim EX-number for explosives waiting for final classification.If the X12 code definition accompanying a LFH01 code value contains text in quotations, place the part in quotations in LFH02. If the code definition contains no quotations, see the user note in LFH02 for further guidance. Use code value 'ADI' to denote 'Other information not accounted for in the code list'. Use code value 'TEC' in this data element to indicate that the N.O.S. indicator is specified in LH303. Enter additional information that must appear in association with the shipment's basic description according to 49 CFR. Use additional occurrences of LFH segment as necessary for each code that applies to shipment. SOURCE: 49 CFR [130-01] HAZMAT- Information Qualifier (DG 190) Use code value 'ADI' to satisfy X12 syntax requirements. [131-01] HAZMAT- Information Qualifier (DG 190) Use code value 'ADI' to satisfy X12 syntax requirements. [132-01] HAZMAT - Information Qualifier (DG 190) Use code value 'ADI' to satisfy X12 syntax requirements. [133-01] HAZMAT - Shipment Information Qualifier (DG 190) Use code value 'ADI' to satisfy X12 syntax requirements. ADI — Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper [129-01] Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper	**M ID 3/3**

	[130-01] Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper [131-01] Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper [132-01] [133-01] Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper
CAO	Cargo Airlift Only
	[132-01] Cargo Airlift Only
D13	"DOT - 113, Do Not Bump or Cut Off Car While in Motion" Declaration
	[132-01] "DOT - 113, Do Not Bump or Cut Off Car While in Motion" Declaration
DRC	Damaged Car Number
	[132-01] Damaged Car Number
DWW	"Dangerous When Wet" Declaration
	[129-01] "Dangerous When Wet" Declaration [132-01]
EMS	Emergency Schedule (EMS) Page Number
	[132-01] Emergency Schedule (EMS) Page Number
HOT	Identifies Products in a Heated Molten State
	[129-01] Identifies Products in a Heated Molten State [132-01]
HZC	Hazardous Substance Constituents
	[129-01] Hazardous Substance Constituents [132-01]
INH	Inhalation Hazard
	[132-01] Inhalation Hazard
LQY	"Limited Quantity" Declaration
	[129-01] "Limited Quantity" Declaration [132-01]
MFA	Medical First Aid Guide (MFAG) Page Number
	[132-01] Medical First Aid Guide (MFAG) Page Number
MOS	Maximum Operating Speed
	[129-01] Maximum Operating Speed [132-01]
MPI	Marine Pollutant
	[129-01] Marine Pollutant [132-01]
PIH	"Poison - Inhalation Hazard" Declaration
	[129-01] "Poison - Inhalation Hazard" Declaration [132-01]
POI	"Poison" Declaration
	[129-01] Poison Declaration Use 'POI' to denote "Poison" Declaration [132-01]
RAM	Radioactive Material Data
	[129-01] Radioactive Material Data [132-01]
TEC	Technical or Chemical Group Name
	[129-01] Technical or Chemical Group Name [132-01]
TNM	Trade Name

			[132-01] Trade Name		
			WST Waste Declaration		
			[132-01] Waste Declaration		
M	**LFH02**	**809**	**Hazardous Material Shipment Information**	**M**	**AN 1/25**
			Specific information required by law for hazardous material shipments		
			[129-02] HAZMAT - Additional Basic Description Information (DG 190) Contains specific information about the hazardous material shipment. When applicable, use the descriptive narrative from LFH01. If LFH01 = 'ADI', use this element for any overflow information from LFH01 or 49 CFR except Proper Shipping Name. Use LFH03 for additional overflow. If LFH01 = 'PIH', enter 'Poisonous - Inhalation Hazard, Zone X', where X is the code designated in LFH04. If LFH01 = 'HOT', enter 'HOT' [See 49 CFR 172.203(n)]. If LFH01 = 'RAM', enter the appropriate text in quotes as specified by 49 CFR 172.203(d). If LFH01 = 'LQY', enter 'Ltd Qty' or 'Limited Quantity'. If LFH01 = 'HZC', enter 'Hazardous substance constituents.' If LFH01 = 'MOS', enter 'Maximum operating speed.' If LFH01 = 'MPI', enter 'Marine Pollutant.' For N.O.S. code (LFH01 = 'TEC'), enter the technical or chemical group name in parentheses. Place overflow in LFH03. Do not close parentheses until end of description is reached. [130-02] HAZMAT- Round Count Identifier (DG 190) Enter value 'CT' to indicate segment contains HAZMAT Round Count Information. [131-02] HAZMAT- Shipment Information (DG 190) Enter value 'WT' to indicate segment contains HAZMAT Metric Weight Information. [132-02] HAZMAT - Shipment Information (DG 190) Enter value 'NX' to indicate segment contains HAZMAT English Weight Information. [133-02] HAZMAT - Shipment Information (DG 190) Enter value 'NW' to indicate segment contains HAZMAT Metric Net Weight Information.		
			CT New Code Added by IC		
			[130-02]		
			NW New Code Added by IC		
			[133-02]		
			NX New Code Added by IC		
			[132-02]		
			WT New Code Added by IC		
			[131-02]		
	LFH03	**809**	**Hazardous Material Shipment Information**	**O**	**AN 1/25**
			Specific information required by law for hazardous material shipments		
			[129-03] HAZMAT - Additional Information (DG 190) Use for description overflow from LFH02. Use LFH01, 02, and 03 as a set and repeat loop as necessary to convey all additional basic description information.		
	LFH04	**1023**	**Hazard Zone Code**	**O**	**ID 1/1**
			Code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone		
			[129-04] HAZMAT - Hazard Zone Code (DG 190) Contains the code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone. ELEMENT CONDITION: Use applicable Hazard Zone Code when LFH01 = PIH.		
			A Hazard Zone A		
			[129-04] Hazard Zone A		
			B Hazard Zone B		
			[129-04] Hazard Zone B		
			C Hazard Zone C		

				[129-04] Hazard Zone C	
			D	Hazard Zone D	
				[129-04] 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		
			[130-05] HAZMAT- Round Count Qualifier (DG 190) [131-05] HAZMAT- Metric Measurement Code (DG 190) [132-05] HAZMAT - English Net Explosive Weight Code (DG 190) [133-05] HAZMAT - Metric Net Explosive Weight Code (DG 190)		
			2C	Roentgen	
				Unit of X-radiation or gamma radiation equal to the amount of radiation that produces in one cubic centimeter of dry air at 0 degrees Celsius and standard atmospheric pressure ionization of either sign equal to one electrostatic unit of charge	
				[131-05] Roentgen	
			2Q	Kilobecquerel	
				Unit of radiation	
				[131-05] Kilobecquerel	
			2R	Kilocurie	
				Unit of radiation	
				[131-05] Kilocurie	
			2Y	Milliroentgen	
				Unit of radiation	
				[131-05] Milliroentgen	
			40	Milliliter per Second	
				Represents rate of absorbency	
				[131-05] Milliliter per Second	
			4D	Curie	
				A unit of radioactivity equal to 3.7 * 10/10 disintegrations per second	
				[131-05] Curie	
			4N	Megabecquerel	
				Unit of radiation	
				[131-05] Megabecquerel	
			G2	U.S. Gallons Per Minute	
				Rate of flow	
				[131-05] U.S. Gallons Per Minute	
			GA	Gallon	
				[131-05] Gallon [132-05] Gallon	
			GM	Grams per Sq. Meter	
				[131-05] Grams per Sq. Meter	
			GR	Gram	
				[131-05] Gram	
			HG	Hectogram	
				[131-05] Hectogram	
			KG	Kilogram	
				[131-05] Kilogram [132-05] Kilogram [133-05] Kilogram	
			KR	Kiloroentgen	
				Measure of radiation	

				[131-05] Kiloroentgen		
			LT	Liter		
				[131-05] Liter [132-05] Liter [133-05] Liter		
			M5	Microcurie		
				[131-05] Microcurie		
			MC	Microgram		
				[131-05] Microgram		
			ME	Milligram		
				[131-05] Milligram		
			MG	Metric Gross Ton		
				[131-05] Metric Gross Ton		
			ML	Milliliter		
				[131-05] Milliliter		
			MP	Metric Ton		
				[131-05] Metric Ton		
			MU	Millicurie		
				[131-05] Millicurie		
			PN	Pounds Net		
				[131-05] Pounds Net [132-05] Pounds Net		
			R2	Becquerel		
				Unit of radiation equal to 3.7 * 10/10 of a curie		
				[131-05] Becquerel		
			RO	Round		
				[130-05] Round		
>>	**LFH06**	**380**	**Quantity**		**X**	**R 1/15**
			Numeric value of quantity			
			[130-06] HAZMAT- Round Count (DG 190) [131-06] HAZMAT- Metric Quantity (DG 190) Use the unit of measure codes for quantity or volume of non bulk shipments. This will typically be grams, cubic meters, or a unit of measure other than pieces. If the weight of the hazardous material is measured in other than the above listed Weight Units of Measure, refer to X12 Standard, DE 355. Use LH101 to express type of packaging. ELEMENT CONDITION: Required if LH107 or LH106 (English Weight) is used. [132-06] HAZMAT - English Net Explosive Weight (DG 190) [133-06] HAZMAT - Metric Net Explosive Weight (DG 190)			
X	**LFH07**	**380**	**Quantity**		**O**	**R 1/15**

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 - DOT Explosive Approval Number (EX-number) (DG 190)
SEGMENT CONDITION: Required for shipment of explosive materials.
[135] LHR SEGMENT - Competent Authority Approval Number (DG 190)
SEGMENT CONDITION: Use if competent authority approval is required.
[136] LHR SEGMENT - DOT Exemption Number (DG 190)
SEGMENT CONDITION: Required when DOT exemption applies.
[137] LHR SEGMENT - Int'l Maritime Dangerous Goods Code (DG 190)
SEGMENT CONDITION: Use this segment if the hazardous shipment requires international regulation.
[138] LHR SEGMENT - DoDIC (DG 190)
SEGMENT CONDITION: Required for TCACCIS moves only.
[139] LHR SEGMENT - National Stock Number (NSN) (DG 190)
SEGMENT CONDITION: Required for TCACCIS moves only.

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 - DOT Explosive Approval Number Qualifier (DG 190) [135-01] Competent Authority Approval Number Qualifier (DG 190) [136-01] DOT Exemption (DOT-E) Number Qualifier (DG 190) [137-01] HAZMAT - Int'l Maritime Dangerous Goods Code (IMDG) Qualifier (DG 190) [138-01] DoDIC Qualifier (DG 190) Use '1L' for shipments by other than ocean. Use '6P' only for ocean shipments. [139-01] HAZMAT - NSN Qualifier (DG 190)			
			1I	Department of Defense Identification Code (DoDIC)		
				Qualifies a code that uniquely identifies a type of explosive or ammunition		
				[138-01] Department of Defense Identification Code (DoDIC)		
			6P	Group Number		
				[138-01] Group Number		
			HA	Competent Authority		
				[135-01] Competent Authority		
			HD	Department of Transportation Hazardous Number		
				[134-01] Department of Transportation Hazardous Number		
			HE	Hazardous Exemption Number		
				[136-01] Hazardous Exemption Number		
			IM	Intergovernmental Maritime Organization (IMO) Number		
				[137-01] Intergovernmental Maritime Organization (IMO) Number		
			NS	National Stock Number		
				[139-01] National Stock Number		
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 - DOT Explosive Approval Number (EX-number) (DG 190) Product codes and national stock numbers must be traceable to the specific EX-number (also referred to as hazard classification approval number) assigned by the Associate Administrator for Hazardous Materials Safety. SOURCE: 49 CFR 172.320 and 173.56(b) [135-02] Competent Authority Approval Number (DG 190) Issued by Department of Transportation, approval number is CA-YYNNNNA, where Y = year, N = approval number within that year, and A is an optional alphanumeric designator. Only applicable when DoD requires an exception to the international performance oriented packaging rules. [136-02] DOT Exemption (DOT-E) Number (DG 190) Identifies the DOT Exemption to any of the 49 CFR Regulations for hazardous materials. Normally used only for domestic shipments. Can be used for international shipments but is not guaranteed to be accepted by international customs. SOURCE: 49 CFR 172.2(a) [137-02] HAZMAT - Int'l Maritime Dangerous Goods Code (IMDG) (DG 190) [138-02] DoDIC (DG 190) [139-02] HAZMAT - NSN (DG 190)		
X	**LHR03**	**373**	**Date**	**O**	**DT 8/8**

Segment: **FA1** **Type of Financial Accounting Data**
Position: 230
Loop: FA1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the organization controlling the content of the accounting citation, and the purpose associated with the accounting citation
Syntax Notes:
Semantic Notes:
1 FA101 Identifies the organization controlling the assignment of financial accounting information.
2 FA102 Identifies the purpose of the accounting allowance or charge information.
Comments:
Notes: [140] FA1 SEGMENT - TCN Appropriation Number Loop (DG 190)
If there is only one Transportation Accounting Code or Line of Accounting at the header level, then it applies to all shipments in that container. If there is TAC/LOA at the header level, and some of the line items in the container have their own TACs/LOAs and some do not, use the TACs/LOAs at the line item level for those specific shipments and default to the header TAC/LOA for all others. If there is an invalid TAC/LOA on a single line item we will use the header TAC/LOA. If there is only one Transportation Accounting Code or Line of Accounting at the header level, then it applies to all shipments in that container. If there is TAC/LOA at the header level, and some of the line items in the container have their own TACs/LOAs and some do not, use the TACs/LOAs at the line item level for those specific shipments and default to the header TAC/LOA for all others. If there is an invalid TAC/LOA on a single line item we will use the header TAC/LOA. LOOP CONDITION: Use for appropriation assignment. Carriers do not need to receive appropriation data. This segment begins the appropriation number loop. It calls for both FA1 and FA2 segments. 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.

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			
			[140-01] Agency Qualifier Code (DG 190)			
			DF	Department of Defense (DoD)		
				[140-01] Department of Defense (DoD)		
			DN	Department of the Navy		
				[140-01] Department of the Navy		
			DX	United States Marine Corps		
				[140-01] United States Marine Corps		
			DY	Department of Air Force		
				[140-01] Department of Air Force		
			DZ	Department of Army		
				[140-01] Department of Army		
			HS	Department of Health and Human Services		
				[140-01] 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**
			Refer to 004010 Data Element Dictionary for acceptable code values.			
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
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: To specify the detailed accounting data
Syntax Notes:
Semantic Notes:
Comments:
Notes: [141] FA2 SEGMENT - TCN Appropriation Elements (DG 190)
SEGMENT CONDITION: This segment is MANDATORY if and only if the FA1 SEGMENT - TCN Appropriation Number Loop segment is used. Otherwise, this segment may not be 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		
			[141-01] Breakdown Structure Detail Code (DG 190)		
			84	Total Direct Costs	
				[141-01] Total Direct Costs	
			A1	Department Indicator	
				[141-01] Department Indicator	
			A2	Transfer from Department	
				[141-01] Transfer from Department	
			A3	Fiscal Year Indicator	
				[141-01] Fiscal Year Indicator	
			A4	Basic Symbol Number	
				[141-01] Basic Symbol Number	
			A5	Sub-class	
				[141-01] Sub-class	
			A6	Sub-Account Symbol	
				[141-01] Sub-Account Symbol	
			AT	Air Force Transportation Account Code (ATAC)	
				[141-01] Air Force Transportation Account Code (ATAC)	
			B1	Budget Activity Number	
				[141-01] Budget Activity Number	
			B2	Budget Sub-activity Number	
				[141-01] Budget Sub-activity Number	
			B3	Budget Program Activity	
				[141-01] Budget Program Activity	
			C1	Program Element	
				[141-01] Program Element	
			C2	Project Task or Budget Subline	
				[141-01] Project Task or Budget Subline	
			D1	Defense Agency Allocation Recipient	
				[141-01] Defense Agency Allocation Recipient	
			D4	Component Sub-allocation Recipient	
				[141-01] Component Sub-allocation Recipient	
			D6	Sub-allotment Recipient	

				[141-01] Sub-allotment Recipient		
			D7	Work Center Recipient		
				[141-01] Work Center Recipient		
			E1	Major Reimbursement Source Code		
				[141-01] Major Reimbursement Source Code		
			E2	Detail Reimbursement Source Code		
				[141-01] Detail Reimbursement Source Code		
			E3	Customer Indicator		
				[141-01] Customer Indicator		
			F1	Object Class		
				[141-01] Object Class		
			F3	Government or Public Sector Identifier		
				[141-01] Government or Public Sector Identifier		
			G2	Special Interest Code or Special Program Cost Code		
				[141-01] Special Interest Code or Special Program Cost Code		
			I1	Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC)		
				[141-01] 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		
				[141-01] Document or Record Reference Number		
			K6	Accounting Classification Reference Code		
				[141-01] Accounting Classification Reference Code		
			L1	Accounting Installation Number		
				[141-01] Accounting Installation Number		
			M1	Local Installation Data		
				[141-01] Local Installation Data		
			MD	Movement Designator Code (MDC)		
				[141-01] Movement Designator Code (MDC)		
			N1	Transaction Type		
				[141-01] Transaction Type		
			P5	Foreign Military Sales (FMS) Line Item Number		
				[141-01] Foreign Military Sales (FMS) Line Item Number		
			TA	Transportation Account Code (TAC)		
				[141-01] Transportation Account Code (TAC)		
			ZZ	Mutually Defined		
				[141-01] Mutually Defined		
M	**FA202**	**1195**	**Financial Information Code**		**M**	**AN 1/80**
			Code representing financial accounting information			
			[141-02] Financial Information Code (DG 190) 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.			

Segment: **L10** **Weight**
Position: 250
Loop: FA1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit weight information
Syntax Notes:
Semantic Notes:
Comments:
Notes: [142] L10 SEGMENT - TCN Weight (DG 190)
SEGMENT CONDITION: Use when appropriation weight applies.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**L1001**	**81**	**Weight**		**M**	**R 1/10**
			Numeric value of weight			
			[142-01] Weight (DG 190) Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.			
M	**L1002**	**187**	**Weight Qualifier**		**M**	**ID 1/2**
			Code defining the type of weight			
			[142-02] Weight Qualifier (DG 190)			
			N	Actual Net Weight		
				[142-02] Actual Net Weight		
>>	**L1003**	**188**	**Weight Unit Code**		**O**	**ID 1/1**
			Code specifying the weight unit			
			[142-03] Weight Unit Code (DG 190)			
			E	Metric Ton		
				[142-03] Metric Ton		
			G	Grams		
				[142-03] Grams		
			K	Kilograms		
				[142-03] Kilograms		
			L	Pounds		
				[142-03] Pounds		
			M	Measurement Ton		
				[142-03] Measurement Ton		
			O	Ounces		
				[142-03] Ounces		
			S	Short Ton		
				[142-03] Short Ton		
			T	Long Ton		
				[142-03] Long Ton		

Segment: **NM1** **Individual or Organizational Name**
Position: 260
Loop: NM1 Optional
Level: Detail
Usage: Optional
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: [143] NM1 SEGMENT - Personal Property Owner (DG 190)
LOOP CONDITION: Used only for OCEAN CARGO SHIPPING INSTRUCTIONS.

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		
			[143-01] Personal Property Owner Qualifier (DG 190)		
			OW Owner of Property or Unit		
			[143-01] Owner of Property or Unit		
M	**NM102**	**1065**	**Entity Type Qualifier**	**M**	**ID 1/1**
			Code qualifying the type of entity		
			[143-02] Personal Property Owner Qualifier (DG 190)		
			1 Person		
			[143-02] Person		
>>	**NM103**	**1035**	**Name Last or Organization Name**	**O**	**AN 1/35**
			Individual last name or organizational name		
			[143-03] Personal Property Owner's Last Name (DG 190)		
>>	**NM104**	**1036**	**Name First**	**O**	**AN 1/25**
			Individual first name		
			[143-04] Personal Property Owner's First Name/Initial (DG 190)		
X	**NM105**	**1037**	**Name Middle**	**O**	**AN 1/25**
X	**NM106**	**1038**	**Name Prefix**	**O**	**AN 1/10**
X	**NM107**	**1039**	**Name Suffix**	**O**	**AN 1/10**
X	**NM108**	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**NM109**	**67**	**Identification Code**	**X**	**AN 2/80**
X	**NM110**	**706**	**Entity Relationship Code**	**X**	**ID 2/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**NM111**	**98**	**Entity Identifier Code**	**O**	**ID 2/3**
			Refer to 004010 Data Element Dictionary for acceptable code values.		

Segment: **N1** **Name**
Position: 290
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:
1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments:
1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.
Notes: [144] N1 SEGMENT - Mark For Addressee Information (MA) (DG 73)
LOOP CONDITION: Use this address loop when en-route consolidation activity or any other organization or system that handles the bill of lading data needs to know the ultimate destination of the shipment. This is needed particularly for OCONUS shipments where the bill of lading moves the freight to a port to change modes to air freight or ocean container.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**N101**	**98**	**Entity Identifier Code**		**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual			
			[144-01] Name Qualifier (MA) (DG 73) This qualifier identifies name and address information of the 'Mark For' ultimate consignee.			
			MA	Party for whom Item is Ultimately Intended		
				[144-01] Party for whom Item is Ultimately Intended		
	N102	**93**	**Name**		**X**	**AN 1/60**
			Free-form name			
			[144-02] Name (MA) (DG 73)			
>>	**N103**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)			
			[144-03] DoDAAC/CAGE/MAPAC Qualifier (MA) (DG 73) Do not use CAGE code for ocean shipments.			
			10	Department of Defense Activity Address Code (DODAAC)		
				[144-03] Department of Defense Activity Address Code (DODAAC)		
			33	Commercial and Government Entity (CAGE)		
				[144-03] Commercial and Government Entity (CAGE)		
			A2	Military Assistance Program Address Code (MAPAC)		
				Contained in the Military Assistance Program Address Directory (MAPAD); represents the location of an entity		
				[144-03] Military Assistance Program Address Code (MAPAC)		
>>	**N104**	**67**	**Identification Code**		**X**	**AN 2/80**
			Code identifying a party or other code			
			[144-04] DoDAAC/CAGE/MAPAC (MA) (DG 73) If DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the destination is required.			
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: **N2** **Additional Name Information**
Position: 300
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes: [145] N2 SEGMENT - Mark For Addressee Information (MA) (DG 73)
SEGMENT CONDITION: Use when mark for addressee applies.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N201**	**93**	**Name**	**M**	**AN 1/60**
			Free-form name		
			[145-01] Additional Name (MA) (DG 73)		
X	**N202**	**93**	**Name**	**O**	**AN 1/60**

Segment: **N3** **Address Information**
Position: 310
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: [146] N3 SEGMENT - Mark For Addressee Information (MA) (DG 73)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N301**	**166**	**Address Information** Address information [146-01] Street (MA) (DG 73)	**M**	**AN 1/55**
	N302	**166**	**Address Information** Address information [146-02] Additional Addressing Information (DG 73)	**O**	**AN 1/55**

Segment: **N4** **Geographic Location**
Position: 320
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: **1** If N406 is present, then N405 is required.
Semantic Notes:
Comments: **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: [147] N4 SEGMENT - Mark For Addressee Information (MA) (DG 73)
SEGMENT CONDITION: Use when mark for addressee applies.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
	N401	**19**	**City Name**	**O**	**AN 2/30**
			Free-form text for city name		
			[147-01] City (MA) (DG 73)		
	N402	**156**	**State or Province Code**	**O**	**ID 2/2**
			Code (Standard State/Province) as defined by appropriate government agency		
			[147-02] State or Province Code (MA) (DG 73) SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center		
	N403	**116**	**Postal Code**	**O**	**ID 3/15**
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
			[147-03] ZIP Code/Postal Code (MA) (DG 73) SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents		
	N404	**26**	**Country Code**	**O**	**ID 2/3**
			Code identifying the country		
			[147-04] Country Code (MA) (DG 73) ELEMENT CONDITION: If mark for addressee is OCONUS, country code is required. SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute		
X	**N405**	**309**	**Location Qualifier**	**X**	**ID 1/2**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**N406**	**310**	**Location Identifier**	**O**	**AN 1/30**

Segment: **L3** **Total Weight and Charges**
Position: 010
Loop:
Level: Summary
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items
Syntax Notes:
1 If either L301 or L302 is present, then the other is required.
2 If either L303 or L304 is present, then the other is required.
3 If either L309 or L310 is present, then the other is required.
4 If L312 is present, then L301 is required.
5 If either L314 or L315 is present, then the other is required.
Semantic Notes:
1 L305 is the total charges.
Comments:
Notes: [191] L3 SEGMENT - Bill of Lading Totals (DG 990)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
X	L301	81	**Weight**	X	R 1/10
X	L302	187	**Weight Qualifier**	X	ID 1/2
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	L303	60	**Freight Rate**	X	R 1/9
X	L304	122	**Rate/Value Qualifier**	X	ID 2/2
			Refer to 004010 Data Element Dictionary for acceptable code values.		
>>	L305	58	**Charge**	O	N2 1/12
			For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified		
			[191-05] Total Charge for Shipment (DG 990) Estimated or calculated charge for entire shipment.		
X	L306	191	**Advances**	O	N2 1/9
X	L307	117	**Prepaid Amount**	O	N2 1/9
X	L308	150	**Special Charge or Allowance Code**	O	ID 3/3
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	L309	183	**Volume**	X	R 1/8
			Value of volumetric measure		
			[191-09] Total Cube of Shipment (DG 990)		
	L310	184	**Volume Unit Qualifier**	X	ID 1/1
			Code identifying the volume unit		
			[191-10] Total Cube of Shipment Qualifier (DG 990) ELEMENT CONDITION: This qualifier must appear if total cube of shipment (L309) is used.		
			E Cubic Feet		
			[191-10] Cubic Feet		
			F 100 Board Feet		
			[191-10] 100 Board Feet		
			G Gallons		
			[191-10] Gallons		
			H Hundreds of Measurement Tons		
			[191-10] Hundreds of Measurement Tons		
			S Measurement Ton		
			[191-10] Measurement Ton		
			V Liter		

			[191-10] Liter		
			X Cubic Meters		
			[191-10] Cubic Meters		
	L311	**80**	**Lading Quantity**	**O**	**N0 1/7**
			Number of units (pieces) of the lading commodity		
			[191-11] Number of Carloads/Truckloads Used (DG 990) The total number of pieces of equipment used for the shipment. This quantity may be used to rate the cost of a shipment.		
X	**L312**	**188**	**Weight Unit Code**	**O**	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	**L313**	**171**	**Tariff Number**	**O**	**AN 1/7**
X	**L314**	**74**	**Declared Value**	**X**	**N2 2/12**
X	**L315**	**122**	**Rate/Value Qualifier**	**X**	**ID 2/2**
			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: [192] SE SEGMENT - Bill of Lading 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 [192-01] 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 [192-02] 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 contains an IC element matrix that lists that information.

PURPOSE

Using the IC element matrix will expedite mapping of an application database into a commercial EDI translation package. This IC element matrix applies to a specific application database, which is described in the Application Notes section below.

HOW TO READ THE IC ELEMENT MATRIX

To read the matrix, trading partners need to understand matrix record types, two categories of matrix information, the matrix layout, and the sort order of the matrix.

Record Types

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

- Segment header records begin the description of a segment. Each segment header record starts the description of a discrete occurrence of an X12 segment. The element records (see below) that follow a segment header record cannot be co-mingled with elements from other segments, including those segments with matching IDs.
- 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.

Two Categories of Record Information

The matrix contains two categories of information: IC application information and *ASC* X12 information.

- IC application information describes attributes outside the structure and syntax of the *ASC* X12 standard.
- *ASC* X12 information is attached to each IC element. That 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 sixteen columns.

- IC Index Number (Index) enables designers and programmers to quickly cite a record in the matrix.
- IC Data Group Number (DG) is a number assigned by the IC developers. That number identifies an IC element with a group of elements that form a database table within the application data model. In order to quickly reference a table, Defense transportation developers label database tables with a Data Group number. For example, a “Bill To Address” may belong to the “PURCHASE ORDER” parent table with GRP = 10. A “Stop-off Delivery Address” may belong to the “ITEM DELIVERY” child table with GRP = 60.
- 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 “Qualifier.” A segment header record identifies the segment ID in this field.
- IC Notes & Codes (DoD Information Notes and Codes) can contain application notes about various segment and element conditions or requirements. This column may also list both X12 standard codes and DoD unique codes. If the list is larger than 20 codes, it may appear in the section that contains Code Lists.
- IC Attributes (Attributes). When part of a segment header record, this column indicates the usage of the segment. When part of an element record, this column indicates the usage of the element within the segment, if the segment is used. Attributes may differ from those in the *ASC* X12 standard. For example, if trading partners expect to exchange a purchase order number that has a specific length and structure, those attributes are described here. Attributes include requirement designator, data element type, minimum length and maximum length.
- X12 Transaction Set Table Number (Tabl).
- X12 Segment Position (Pos).
- X12 Requirement Designator (Req Des) . This column applies only to Segment Header type matrix records.
- X12 Maximum Usage (Max Use). This column applies only to Segment Header type matrix records.
- X12 Loop Repeat (Lp Rpt) indicates the number of times a loop may be used. This column applies only to Segment Header type matrix records.
- X12 Loop Level (Lp Lv). Loops may be nested within other loops. This column indicates the nesting level for each loop and applies only to Segment Header type matrix records.
- X12 Loop ID (Lp ID). This column applies only to Segment Header type matrix records.
- X12 Segment Reference Designator (Ref Des) . This column applies only to Element type matrix records.
- X12 Simple or Composite Data Element Number (DE#). This column applies only to Element type matrix records.

- X12 Simple Data Element Attributes (Attributes). Attributes listed include the data element requirement designator, data element type, minimum length and maximum length. This column applies only to Element type matrix records.
- X12 Composite Data Element Attributes ((Composite) Attributes) . Attributes listed include the simple data element number, requirement designator, data element type, minimum length and maximum length. This column applies only to Element type matrix records.

Sort Order of the Matrix

The matrix presents IC elements 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 to *ASC* X12 standards. IC elements are grouped under segment header records. When exchanging an IC element, the programmer needs to generate the entire segment under which the element is listed. Likewise, when exchanging a segment, the programmer needs to generate the entire loop structure to which the segment belongs.

APPLICATION NOTES

The IC element matrix in this section maps data requirements for the bill of lading into the *ASC* X12 Transaction Set 858 Shipment Information. These requirements were developed by transportation activities involved in the DoD electronic data interchange effort.

This IC includes all changes approved by the DTEB Committee and described in DTEB data maintenance (DM) items up to the publication date of the IC.

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 - Bill of Lading Header**	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
1-02	10	Transaction Set Control Number The application and structure of the control number must be agreed upon between trading partners. (For example, some applications use all nine digits where the first five might indicate a group control number and the last four represent the sequence of the transaction set within the functional group. Also, the entire nine digit field may simply represent the sequence of the transaction set generated by a trading partner.)	M	AN	4/9	1	010	M	1				ST02	329	M	AN	4/9
2	10	**BX SEGMENT - Bill of Lading Number**	M			1	030	M	1								
2-01	10	Transaction Set Purpose Code [T_0 53/53] 00 - Original 01 - Cancellation 04 - Change 14 - Advance Notification 20 - Final Transmission	M	ID	2/2	1	030	M	1				BX01	353	M	ID	2/2
2-02	10	Transportation Method Code (Mode Code) [T_0 27/27] See Section 6 for list of data values.	M	ID	1/2	1	030	M	1				BX02	91	M	ID	1/2
2-03	10	Method of Payment Use only 'TP' for ocean shipments only. CC - Collect CD - Collect on Delivery PP - Prepaid (by Seller) TP - Third Party Pay	M	ID	2/2	1	030	M	1				BX03	146	M	ID	2/2
2-04	10	Bill of Lading/Shipment ID Number Carry either original or most recent bill of lading number or shipment identification number here. For ocean shipments, use TCN as shipment identifier. Do not use any punctuation or special characters. [T_2 30/46]	M	AN	8/30	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		
2-05	10	Transportation Company Tendered To (SCAC) Use SCAC of origin carrier. SCAC should be validated against the National Motor Freight Traffic Association (NMFTA) SCAC reference file. For ocean shipments, enter 'NONE' if carrier is unknown. This entry represents the booked carrier for ocean shipments, not the carrier that actually transports the shipment. For Defense Transportation Coordination Initiative (DTCI) shipments, enter the DTCI coordinator's SCAC. SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	M	ID	2/4	1	030	M	1				BX05	140	O	ID	2/4
2-07	10	Bill Purpose/Application Type Code A - Sub for Assembly *Use 'A' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Break-Bulk.* B - Bill of Lading for Individual Shipment C - Consolidated Shipment *Use 'C' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Consolidation Header (Stand-Alone).* E - Empty Equipment Billing (Non-Revenue) *Use 'E' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Container (Skeleton SI).* F - Stop-off Shipment *Use 'F' to denote Negotiated Rates for Foreign Military Sales Bills of Lading.* G - Switch Waybill *Use 'G' to denote Negotiated Rates for Tailored Transportation Contract Traffic Bill of Lading.* M - Master Bill of Lading for Assembly, Distribution and Volume Shipment *Use 'M' to denote Commercial Rates for Foreign Military Sales Bills of Lading.* Z - Commercial Zone Pick-up *Use 'Z' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Container..*	M	ID	1/1	1	030	M	1				BX07	147	O	ID	1/1
2-09	10	Vehicle Fully Loaded (Capacity Load Status) ELEMENT CONDITION: Include if shipment is tendered as truckload. F - Full Capacity	C	ID	1/1	1	030	M	1				BX09	195	O	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		
2-10	10	Defense Transportation Tracking System Reporting Qualifier Use of this element results in immediate Military Surface Deployment and Distribution Command (SDDC) processing for DTTS shipments. ELEMENT CONDITION: Include if the Defense Transportation Tracking System (DTTS) is required. R - Automatic Status Report Requested	C	ID	1/1	1	030	M	1				BX10	160	O	ID	1/1
2-14	10	Application Type Use the following migration code value to denote the DoD definition as indicated: ELEMENT CONDITION: Use when broker. BF - [Migration Code] Broker Files	C	ID	2/2	1	030	M	1				BX14	346	O	ID	2/2
3	10	**BNX SEGMENT - Shipment Weight and Billing** SEGMENT CONDITION: Use when weight and billing data are required.	C			1	040	O	1								
3-01	10	Shipment Weight Code [T_0 15/15] A - Shipper's Weight Agreement	M	ID	1/1	1	040	O	1				BNX01	460	O	ID	1/1
3-03	10	Billing Code S - Single Shipment Billing	M	ID	1/1	1	040	O	1				BNX03	11	O	ID	1/1
4	10	**N9 SEGMENT - Transaction Content ID** SEGMENT CONDITION: Required for all shipments except by ocean.	C			1	060	O	30 See X12 Standards for explanation of syntax notes. R0203C0605								
4-01	10	Transaction Content ID Qualifier FI - File Identifier	M	ID	2/2	1	060	O	30				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		
4-02	10	Transaction Content ID This data element identifies the application contents of the 858. The following DoD-unique codes should be used by all trading partners to identify the data content in the transaction set: CI - Cost Information CR - Cost Request DC - Doubtful Claim SC - Shipment and Cost Information SI - Shipment Information SM - Supplemental Claim SP - Supplemental Bill	M	AN	2/2	1	060	O	30				N902	127	C	AN	1/30
5	10	**N9 SEGMENT - Route Order/Release No/Emergency Routings** SEGMENT CONDITION: Include this segment when moving a Tailored Transportation Contract (TTC) Traffic or SDDC routed shipment.	C			1	060	O	30				See X12 Standards for explanation of syntax notes. R0203C0605				
5-01	10	Route Order/Release No/Emergency Routings Qualifier RG - Route Order Number-Domestic RH - Route Order Number-Export RJ - Route Order Number-Emergency	M	ID	2/2	1	060	O	30				N901	128	M	ID	2/3
5-02	10	Route Order/Release No/Emergency Routings	M	AN	10/10	1	060	O	30				N902	127	C	AN	1/30
6	10	**N9 SEGMENT - Carrier Way/Freight Bill Number** SEGMENT CONDITION: Include this segment if the freight bill number is available.	C			1	060	O	30				See X12 Standards for explanation of syntax notes. R0203C0605				
6-01	10	Carrier Way/Freight Bill Number Qualifier CN - Carrier's Reference Number (PRO/Invoice)	M	ID	2/2	1	060	O	30				N901	128	M	ID	2/3
6-02	10	Carrier Way/Freight Bill Number	M	AN	1/30	1	060	O	30				N902	127	C	AN	1/30
6-04	10	Carrier Way/Freight Bill Date	C	DT	8/8	1	060	O	30				N904	373	O	DT	8/8
7	10	**N9 SEGMENT - Authority Number (Contract/PO)** SEGMENT CONDITION: Use this segment if an authority number applies to the shipment.	C			1	060	O	30				See X12 Standards for explanation of syntax notes. R0203C0605				

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		
7-01	10	Authority Number (Contract/PO) Qualifier CT - Contract Number PO - Purchase Order Number	M	ID	2/2	1	060	O	30				N901	128	M	ID	2/3
7-02	10	Authority Number (Contract/PO) Movements under contracts need to reflect the subcontract number for ocean shipments.	M	AN	1/30	1	060	O	30				N902	127	C	AN	1/30
7-04	10	Authority Number (Contract/PO) Date	C	DT	8/8	1	060	O	30				N904	373	O	DT	8/8
8	10	**N9 SEGMENT - Service Agency Code** SEGMENT CONDITION: Use for Tailored Transportation Contract (TTC) Traffic only; not used for DLA. GFM will not cost DLA TTC shipments.	C			1	060	O	30 See X12 Standards for explanation of syntax notes. R0203C0605								
8-01	10	Service Agency Code Qualifier SV - Service Charge Number	M	ID	2/2	1	060	O	30				N901	128	M	ID	2/3
8-02	10	Service Agency Code A - Army B - Defense Mapping Agency F - Air Force M - Marine Corps N - Navy P - Coast Guard S - Defense Logistics Agency U - GSA W - Army and AF Exchange X - Multi-Service Y - Non DoD - except Coast Guard	M	AN	1/1	1	060	O	30				N902	127	C	AN	1/30
9	10	**N9 SEGMENT - Container TCN** SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.	C			1	060	O	30 See X12 Standards for explanation of syntax notes. R0203C0605								
9-01	10	TCN for Each Container Qualifier TG - Transportation Control Number (TCN)	M	ID	2/2	1	060	O	30				N901	128	M	ID	2/3
9-02	10	TCN for Each Container	M	AN	17/17	1	060	O	30				N902	127	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		
10	10	**N9 SEGMENT - Container Transportation Tracking Number (TTN)** SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS when moving unit move cargo and Transportation Tracking Number is applicable.	C			1	060	O	30				See X12 Standards for explanation of syntax notes. R0203C0605				
10-01	10	Container Transportation Tracking Number (TTN) Qualifier 18 - Plan Number *Use '18' to denote Container Transportation Tracking Number (TTN) Qualifier.*	M	ID	2/2	1	060	O	30				N901	128	M	ID	2/3
10-02	10	Container Transportation Tracking Number (TTN)	M	AN	17/17	1	060	O	30				N902	127	C	AN	1/30
11	10	**N9 SEGMENT - Carrier Booking Number** SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS - Direct Booking. Not used otherwise.	C			1	060	O	30				See X12 Standards for explanation of syntax notes. R0203C0605				
11-01	10	Carrier Booking Number Qualifier BN - Booking Number	M	ID	2/2	1	060	O	30				N901	128	M	ID	2/3
11-02	10	Carrier Booking Number	M	AN	17/17	1	060	O	30				N902	127	C	AN	1/30
12	10	**N9 SEGMENT - Trade Route Number** SEGMENT CONDITION: Required for ocean shipments. Identifies the trade route a shipment was booked/moved on.	C			1	060	O	30				See X12 Standards for explanation of syntax notes. R0203C0605				
12-01	10	Trade Route Number Qualifier RU - Route Number	M	ID	2/2	1	060	O	30				N901	128	M	ID	2/3
12-02	10	Trade Route Number	M	AN	1/4	1	060	O	30				N902	127	C	AN	1/30
13	10	**N9 SEGMENT - Vessel Name** SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS - Direct Booking. Not used otherwise.	C			1	060	O	30				See X12 Standards for explanation of syntax notes. R0203C0605				
13-01	10	Vessel Name Qualifier ABS - Vessel Name	M	ID	3/3	1	060	O	30				N901	128	M	ID	2/3
13-02	10	Vessel Name Shippers should take great care in spelling vessel name correctly.	M	AN	1/30	1	060	O	30				N902	127	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		
14	10	**N9 SEGMENT - Carrier Voyage Number** SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS.	C			1	060	O	30 See X12 Standards for explanation of syntax notes. R0203C0605								
14-01	10	Carrier Voyage Number Qualifier V3 - Voyage Number	M	ID	2/2	1	060	O	30				N901	128	M	ID	2/3
14-02	10	Carrier Voyage Number	M	AN	1/10	1	060	O	30				N902	127	C	AN	1/30
15	10	**N9 SEGMENT - DTCI Coordinator Internal Order Number** SEGMENT CONDITION: Use for shipments with an internal order number assigned by the DTCI coordinator's transportation management system and provided in the EDI 220A response to the shipper.	C			1	060	O	30 See X12 Standards for explanation of syntax notes. R0203C0605								
15-01	10	DTCI Coordinator Internal Order Number Qualifier CB - Combined Shipment *Use 'CB' to denote DTCI Coordinator Internal Order Number.*	M	ID	2/2	1	060	O	30				N901	128	M	ID	2/3
15-02	10	DTCI Coordinator Internal Order Number Enter the internal order number assigned by the DTCI coordinator's transportation management system and provided in the EDI 220A response to the shipper.	M	AN	1/30	1	060	O	30				N902	127	C	AN	1/30
16	10	**Y7 SEGMENT - Transportation Priority Code** SEGMENT CONDITION: Use this segment if Military Standard Requisitioning and Issue Procedures (MILSTRIP) apply.	C			1	080	O	1 See X12 Standards for explanation of syntax notes. P0203								
16-01	10	Transportation Priority Code 1 - Level 1 2 - Level 2 3 - Level 3	M	N0	1/1	1	080	O	1				Y701	467	O	N0	1/1
17	10	**C3 SEGMENT - Currency Code** SEGMENT CONDITION: This segment indicates the currency used for the bill of lading. The segment is not required and will not be used when currency is in U.S. Dollars.	C			1	090	O	1								
17-01	10	Currency Code SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute	M	ID	3/3	1	090	O	1				C301	100	M	ID	3/3
18	10	**G62 SEGMENT - Bill of Lading/Shipping Instruction Prepared Date**	M			1	110	O	10 See X12 Standards for explanation of syntax notes. R0103P0102P0304								

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		
18-01	10	Date Bill of Lading/Shipping Instruction Prepared Date Qualifier 76 - Bill of Lading	M	ID	2/2	1	110	O	10				G6201	432	C	ID	2/2
18-02	10	Date Bill of Lading/Shipping Instruction Prepared Date The date on which the bill of lading was printed at the origin installation.	M	DT	8/8	1	110	O	10				G6202	373	C	DT	8/8
19	10	**G62 SEGMENT - Desired/Required Delivery**	M			1	110	O	10								
						See X12 Standards for explanation of syntax notes. R0103P0102P0304											
19-01	10	Desired/Required Delivery Date Qualifier This qualifier must appear if desired/required delivery date is used. Under applicable ocean contracts, the Contract Delivery Date will take precedence over the Required Delivery Date. Code '67' used only for Defense Transportation Coordination Initiative (DTCI) shipments. 54 - Deliver No Later Than Date *Use '54' to denote Required Delivery Date.* 67 - Delivered By This Date *Use '67' to denote Mandatory Delivery Date.* 68 - Requested Delivery Date *Use '68' to denote Desired Delivery Date.*	M	ID	2/2	1	110	O	10				G6201	432	C	ID	2/2
19-02	10	Desired/Required Delivery Date	M	DT	8/8	1	110	O	10				G6202	373	C	DT	8/8
20	10	**G62 SEGMENT - Carrier's Pickup** SEGMENT CONDITION: Not required for ocean shipments. Required for all other shipment information transactions except advanced shipment notification.	C			1	110	O	10								
						See X12 Standards for explanation of syntax notes. R0103P0102P0304											
20-01	10	Carrier's Pickup Date Qualifier SDDC will accept only code value '86' from shippers. 86 - Actual Pickup Date	M	ID	2/2	1	110	O	10				G6201	432	C	ID	2/2
20-02	10	Carrier's Pickup Date	M	DT	8/8	1	110	O	10				G6202	373	C	DT	8/8
20-03	10	Carrier's Pickup Time Qualifier ELEMENT CONDITION: This element is required for Defense Transportation Tracking System (DTTS) shipments. See Section 6 for list of data values.	C	ID	1/1	1	110	O	10				G6203	176	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		
20-04	10	Carrier's Pickup Time Use format HHMM. ELEMENT CONDITION: This element is required for DTTS shipments.	C	TM	4/8	1	110	O	10				G6204	337	C	TM	4/8
20-05	10	Time Zone Indicator If DTTS shipment, this segment occurs twice; once with code value 'LT' for local time and once with 'GM' for Greenwich time. If shipment is other than DTTS, use 'LT' local time only. Repeat G6201 and G6202 for both occurrences of the segment. SOURCE: ISO 8601 available from American National Standards Institute GM - Greenwich Mean Time LT - Local Time	M	ID	2/2	1	110	O	10				G6205	623	O	ID	2/2
21	10	**G62 SEGMENT - Date Shipped to POE** SEGMENT CONDITION: Use only for ocean shipments.	C			1	110	O	10								
						See X12 Standards for explanation of syntax notes. R0103P0102P0304											
21-01	10	Date Shipped to POE Qualifier 10 - Requested Ship Date/Pick-up Date	M	ID	2/2	1	110	O	10				G6201	432	C	ID	2/2
21-02	10	Date Shipped to POE	M	DT	8/8	1	110	O	10				G6202	373	C	DT	8/8
22	10	**G62 SEGMENT - Adjusted Date Shipped to POE** SEGMENT CONDITION: Use only for ocean shipment.	C			1	110	O	10								
						See X12 Standards for explanation of syntax notes. R0103P0102P0304											
22-01	10	Adjusted Date Shipped to POE Qualifier BB - Transaction Control Date	M	ID	2/2	1	110	O	10				G6201	432	C	ID	2/2
22-02	10	Adjusted Date Shipped to POE	C	DT	8/8	1	110	O	10				G6202	373	C	DT	8/8
22-03	10	Adjusted Time Shipped to POE Qualifier W - Effective Time	M	ID	1/1	1	110	O	10				G6203	176	C	ID	1/2
22-04	10	Adjusted Time Shipped to POE Use format HHMMSS.	M	TM	6/6	1	110	O	10				G6204	337	C	TM	4/8
22-05	10	Adjusted Time Code SOURCE: ISO 8601 available from American National Standards Institute LT - Local Time	M	ID	2/2	1	110	O	10				G6205	623	O	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		
23	10	**G62 SEGMENT - Delivery**	C			1	110	O	10								
		SEGMENT CONDITION: Use segment when date of delivery is available.				See X12 Standards for explanation of syntax notes. R0103P0102P0304											
23-01	10	Date of Delivery Qualifier 35 - Delivered on This Date	M	ID	2/2	1	110	O	10				G6201	432	C	ID	2/2
23-02	10	Date of Delivery	M	DT	8/8	1	110	O	10				G6202	373	C	DT	8/8
24	10	**G62 SEGMENT - Sailing Date**	C			1	110	O	10								
		SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.				See X12 Standards for explanation of syntax notes. R0103P0102P0304											
24-01	10	Sailing Date Qualifier 05 - Sailing Date	M	ID	2/2	1	110	O	10				G6201	432	C	ID	2/2
24-02	10	Sailing Date	M	DT	8/8	1	110	O	10				G6202	373	C	DT	8/8
25	10	**PER SEGMENT - Shipment Contact**	C			1	120	O	3								
		SEGMENT CONDITION: Use segment when telephone contact may be required with person receiving shipment.				See X12 Standards for explanation of syntax notes. P0304P0506P0708											
25-01	10	Shipment Contact Qualifier IC - Information Contact	M	ID	2/2	1	120	O	3				PER01	366	M	ID	2/2
25-03	10	Shipment Contact Qualifier AU - Defense Switched Network FT - Federal Telecommunications System (FTS) TE - Telephone	M	ID	2/2	1	120	O	3				PER03	365	C	ID	2/2
25-04	10	Shipment Contact Telephone No. Telephone number of shipment POC.	M	AN	7/21	1	120	O	3				PER04	364	C	AN	1/80
26	10	**PER SEGMENT - Emergency Response Telephone No.**	C			1	120	O	3								
		SEGMENT CONDITION: Use segment when shipment requires an emergency telephone contact.				See X12 Standards for explanation of syntax notes. P0304P0506P0708											
26-01	10	Emergency Response Telephone No. Function Code EF - Emergency Contact-Military Traffic Management Command (MTMC) *Use 'EF' to denote Emergency Contact - Military Surface Deployment and Distribution Command (SDDC).*	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		
26-03	10	Emergency Response Telephone No. Qualifier AU - Defense Switched Network IT - International Telephone TE - Telephone	M	ID	2/2	1	120	O	3				PER03	365	C	ID	2/2
26-04	10	Emergency Response Telephone No.	M	AN	7/21	1	120	O	3				PER04	364	C	AN	1/80
27	72	**F9 SEGMENT - Originating Railroad Station** SEGMENT CONDITION: Use to designate origination railroad station as applicable.	C			1	140	O	1								
27-02	72	Originating Railroad Station Name of railroad station where shipment originated.	M	AN	2/19	1	140	O	1				F902	19	M	AN	2/30
27-03	72	State of Originating Railroad Station SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	M	ID	2/2	1	140	O	1				F903	156	M	ID	2/2
27-08	72	SPLC of Originating Railroad Station SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc.	C	ID	9/9	1	140	O	1				F908	154	O	ID	6/9
28	71	**D9 SEGMENT - Destination Railroad Station** SEGMENT CONDITION: Use to designate destination railroad station as applicable.	C			1	150	O	1								
28-02	71	Destination Railroad Station Name of railroad station where shipment will terminate.	M	AN	2/19	1	150	O	1				D902	19	M	AN	2/30
28-03	71	State of Destination Railroad Station SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	M	ID	2/2	1	150	O	1				D903	156	M	ID	2/2
28-08	71	SPLC of Destination Railroad Station SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc.	C	ID	9/9	1	150	O	1				D908	154	O	ID	6/9
29	10	**R2 SEGMENT - Interline or DTCI Carrier** SEGMENT CONDITION: For non-Defense Transportation Coordination Initiative (DTCI) shipments use this segment if interline carriers are used during shipment. However, shipper systems are not required to provide Interline Carrier Routing information for rail movements. For DTCI shipments, use this segment to identify the carrier to whom the DTCI coordinator has assigned the shipment.	C			1	170	O	13 See X12 Standards for explanation of syntax notes. C0807								

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		
29-01	10	Via (Routing) SCAC For non-DTCI shipments enter SCAC of interline and destination carrier(s) in sequence after origin carrier. The origin carrier should not be included in an interline list. For DTCI shipments, enter the SCAC of the carrier to whom the DTCI coordinator assigned the shipment. SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	M	ID	2/4	1	170	O	13				R201	140	M	ID	2/4
29-02	10	Via (Routing) SCAC Qualifier Use 'B' for DTCI shipments to indicate the carrier the DTCI coordinator assigned to the shipment.. 1 - 1st Carrier after Origin Carrier 2 - 2nd Carrier after Origin Carrier 3 - 3rd Carrier after Origin Carrier 4 - 4th Carrier after Origin Carrier 5 - 5th Carrier after Origin Carrier A - Origin Carrier, Agent's Routing (Rail) B - Origin/Delivery Carrier (Any Mode) D - DELY (Delivery Switch Carrier) H - Haulage Rights Carrier and Junction I - Origin Switch Carrier M - Haulage Movement Carrier and Junction O - Origin Carrier (Air, Motor, or Ocean) R - Origin Carrier, Rule 11 Shipment S - Origin Carrier, Shipper's Routing (Rail) V - Intermediate Switch Carrier Z - Mutually Defined	M	ID	1/1	1	170	O	13				R202	133	M	ID	1/2
29-03	10	Via (Routing) Location	C	AN	2/30	1	170	O	13				R203	19	O	AN	2/30
29-04	10	Via (Routing) SPLC SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc.	C	ID	9/9	1	170	O	13				R204	154	O	ID	6/9
30	10	**R4 SEGMENT - POE** SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.	C			1	180	O	5				See X12 Standards for explanation of syntax notes. P0203				

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		
30-01	10	Port or Terminal Function Code L - Port of Loading (Operational)	M	ID	1/1	1	180	O	5				R401	115	M	ID	1/1
30-02	10	Location Qualifier SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) IM - Military Standard Movement Procedures (MILSTAMP)	M	ID	2/2	1	180	O	5				R402	309	C	ID	1/2
30-03	10	POE [T_3 21/23]	C	AN	3/3	1	180	O	5				R403	310	C	AN	1/30
31	10	**R4 SEGMENT - POD** SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.	C			1	180	O	5 See X12 Standards for explanation of syntax notes. P0203								
31-01	10	Port or Terminal Function Code D - Port of Discharge (Operational)	M	ID	1/1	1	180	O	5				R401	115	M	ID	1/1
31-02	10	Location Qualifier SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) [T_0 20/20] IM - Military Standard Movement Procedures (MILSTAMP)	M	ID	2/2	1	180	O	5				R402	309	C	ID	1/2
31-03	10	POD [T_3 21/23]	C	AN	3/3	1	180	O	5				R403	310	C	AN	1/30
32	10	**H3 SEGMENT - Accessorial/Protective Service** SEGMENT CONDITION: Use if shipper orders accessorial services from the carrier. Use also if the Defense Transportation Tracking System (DTTS) is required.	C			1	200	O	20 See X12 Standards for explanation of syntax notes. E0102								

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		
32-01	10	Accessorial/Protective Service Ordered Identifier Order accessorial services with this data element. To order accessorial services, the carrier industry requires the use of the H3 segment. This code also appears in the HL Accessorial/Protective Service (formerly LX 300) loop which is used to cost accessorial services. Do not use this element to order surveillance services; use the next occurrence of the H3 segment. See Section 6.0 for valid code list. SOURCE: Reference Section 6.0 of this IC beginning at page 6.14 for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments,Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: 045, 495, 500, AAM, AAS	M	ID	3/3	1	200	O	20				H301	152	C	ID	2/3
33	10	**H3 SEGMENT - Actual Surveillance Service and Requesting Party** SEGMENT CONDITION: Use this segment when ordering surveillance services.	C			1	200	O	20				See X12 Standards for explanation of syntax notes. E0102				
33-02	10	Actual Surveillance Service and Requesting Party Use this data element for requesting Surveillance Services only. See H301 for the applicable code values to enter in this data element. Do not use this data element to order accessorial services. Rather, use the H301 data element in a separate occurrence of the H3 segment for non-surveillance services. Provide the military service code to indicate the requesting party. Military service codes are: A = Army, N = Navy, F = Air Force, M = Marine Corps, P = Coast guard, and S = Defense Logistics Agency. Use a comma for the sub element delimiter between the actual service code and the requesting party.	M	AN	5/5	1	200	O	20				H302	153	C	AN	2/30
34	10	**E1 SEGMENT - Receiving Party For Empty Railcar** LOOP CONDITION: Use when shipment employs an empty railcar.	C			1	220	O	1	2	1	E1	See X12 Standards for explanation of syntax notes. P0203				
34-01	10	Name of Receiving Party For Empty Railcar From the bill of lading continuation page.	M	AN	2/30	1	220	O	1	2	1	E1	E101	459	M	AN	2/30
35	10	**E4 SEGMENT - City for Receiving Empty Railcar** SEGMENT CONDITION: Use when shipment employs an empty railcar.	C			1	230	O	1	2	1	E1					
35-01	10	City for Receiving Empty Railcar From the bill of lading continuation page.	M	AN	2/19	1	230	O	1	2	1	E1	E401	19	M	AN	2/30
35-02	10	State for Receiving Empty Railcar From the bill of lading continuation page. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	M	ID	2/2	1	230	O	1	2	1	E1	E402	156	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		
36	10	**E5 SEGMENT - Routing SCAC** SEGMENT CONDITION: Use if SCAC is applicable.	C			1	240	O	13	2	1	E1					
36-01	10	Routing SCAC for Empty Railcar From the bill of lading continuation page. SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	M	ID	2/4	1	240	O	13	2	1	E1	E501	140	M	ID	2/4
36-02	10	Routing SCAC Sequence Number From the bill of lading continuation page. 1 - 1st Carrier after Origin Carrier 2 - 2nd Carrier after Origin Carrier 3 - 3rd Carrier after Origin Carrier 4 - 4th Carrier after Origin Carrier 5 - 5th Carrier after Origin Carrier	M	ID	1/1	1	240	O	13	2	1	E1	E502	133	M	ID	1/2
37	10	**L7 SEGMENT - Tariff Distance** SEGMENT CONDITION: Required for all modes except ocean. When used, there are different rules for CONUS and OCONUS mileages. This segment may be repeated up to two times (one for CONUS, the other for OCONUS).	C			1	270	O	30								
37-13	10	Tariff Distance (mileage) Mileage used for rating shipment.	M	N0	1/5	1	270	O	30				L713	294	O	N0	1/5
37-14	10	Distance (mileage) Qualifier M - Miles (Actual) *Use 'M' to denote CONUS mileage (used for ocean shipments only).* T - Tariff Miles *Use 'T' to denote OCONUS mileage.*	M	ID	1/1	1	270	O	30				L714	295	O	ID	1/1
38	10	**NTE SEGMENT - Change Notice** SEGMENT CONDITION: Use when Change Notice applies.	C			1	280	O	50								
38-01	10	Change Notice Qualifier CHG - Change	M	ID	3/3	1	280	O	50				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		
38-02	10	Change Notice Identifies the kind of change (correction) to the bill of lading. SOURCE: Reference Section 5.0 (DTEB Freight Bill of Lading Shipment Information Implementation Convention) for a description of the indicator code positions and an example of a populated indicator string.	M	AN	8/8	1	280	O	50				NTE02	352	M	AN	1/80
39	10	**NTE SEGMENT - Routing Instruction Note** SEGMENT CONDITION: Use when routing instruction note applies.	C			1	280	O	50								
39-01	10	Routing Instruction Note (RIN) Code Qualifier INT - General Order Instructions	M	ID	3/3	1	280	O	50				NTE01	363	O	ID	3/3
39-02	10	Routing Instruction Note (RIN) Code SOURCE: USTRANSCOM J5-PT	M	AN	3/3	1	280	O	50				NTE02	352	M	AN	1/80
40	10	**NTE SEGMENT - Load Use** SEGMENT CONDITION: Use for Defense Transportation Tracking System (DTTS) shipments.	C			1	280	O	50								
40-01	10	Load Use Qualifier LOI - Loading Instructions	M	ID	3/3	1	280	O	50				NTE01	363	O	ID	3/3
40-02	10	Load Use Instructions EXCLUSIVE NONEXCLUSIVE	M	AN	9/12	1	280	O	50				NTE02	352	M	AN	1/80
41	10	**NTE SEGMENT - DoD Classification Instructions** SEGMENT CONDITION: Use for Defense Transportation Tracking System (DTTS) shipments.	C			1	280	O	50								
41-01	10	DoD Classification Instructions Qualifier Use to denote the highest security classification of an item within the shipment (i.e. the highest classified Controlled Inventory Item Code (CIIC) within the shipment). CLR - Security Clearance Instructions *Use 'CLR' to denote Emergency Contact - Military Surface Deployment and Distribution Command (SDDC).*	M	ID	3/3	1	280	O	50				NTE01	363	O	ID	3/3
41-02	10	DoD Classification Instructions C - Confidential S - Secret U - Unclassified	M	AN	1/1	1	280	O	50				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		
42	10	**NTE SEGMENT - Shipper Instructions** SEGMENT CONDITION: Use when additional shipper instructions apply for ocean shipments.	C			1	280	O	50								
42-01	10	Shipper Instructions Code ADD - Additional Information *Use 'ADD' to denote Shipper Instructions to the Consignee or to the Carrier.*	M	ID	3/3	1	280	O	50				NTE01	363	O	ID	3/3
42-02	10	Shipper Instructions Enter text information from the paper bill of lading.	M	AN	1/80	1	280	O	50				NTE02	352	M	AN	1/80
43	60	**N7 SEGMENT - Primary Equipment Furnished** LOOP CONDITION: For ocean shipments, this information is needed to facilitate Customs clearance. If the bill of lading is for movements using motor, rail, or bulk fuel conveyances, DG 60 must appear. Use as many N7 loops as required to identify equipment furnished.	C			1	330	O	1	600	1	N7	See X12 Standards for explanation of syntax notes. P0304P0516P0809				
43-01	60	Primary Equipment Initials For rail shipments, this data element is MANDATORY; it carries the equipment prefix used to describe railcars, trailers, and containers. For motor and air shipments, if the value in N702 is other than 'NONE', or the equipment initials are not available, use the SCAC. Primary equipment is that equipment ordered by the shipper from the carrier. That equipment type ordered, or its equivalent, is furnished by the carrier and used in the transportation of the shipment. The shipper pays only for the primary equipment ordered. For ocean shipments, use the initials on the container (never the carrier SCAC). ELEMENT CONDITION: For rail shipments, this data element is MANDATORY; it carries the equipment prefix used to describe railcars, trailers, and containers. SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association	C	AN	1/4	1	330	O	1	600	1	N7	N701	206	O	AN	1/4
43-02	60	Primary Equipment Numbers For rail shipments, this data element carries the serial number of the railcars, trailers, and containers. For motor and air shipments, if specific equipment is not ordered, carry the word 'NONE' in this data element. [T_2 4/8]	M	AN	1/10	1	330	O	1	600	1	N7	N702	207	M	AN	1/10
43-03	60	Weight Capacity Primary Equipment Furnished Express in 1000 LB units. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	C	N0	3/3	1	330	O	1	600	1	N7	N703	81	C	R	1/10
43-04	60	Weight Capacity Primary Equipment Furnished Qualifier ELEMENT CONDITION: Required if N705 is used. N - Actual Net Weight	C	ID	1/1	1	330	O	1	600	1	N7	N704	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		
43-08	60	Cube Capacity Primary Equipment Furnished ELEMENT CONDITION: Include if the carrier provides equipment different than that which was ordered, or if reporting the internal cube of a container.	C	R	1/8	1	330	O	1	600	1	N7	N708	183	C	R	1/8
43-09	60	Cube Capacity Primary Equipment Furnished Qualifier ELEMENT CONDITION: This qualifier must appear if cube capacity carrier equipment furnished is used. E - Cubic Feet	C	ID	1/1	1	330	O	1	600	1	N7	N709	184	C	ID	1/1
43-13	60	Temperature Control Use to specify temperature setting for reefer shipments. For ocean shipments indicate minimum and maximum temperature.	C	AN	3/6	1	330	O	1	600	1	N7	N713	319	O	AN	3/6
43-15	60	Length Capacity Primary Equipment Furnished ELEMENT CONDITION: Include if the carrier provides equipment different than that which was ordered.	C	N0	4/5	1	330	O	1	600	1	N7	N715	567	O	N0	4/5
43-22	60	Type of Equipment Furnished SOURCE: Reference Section 6.0 of this IC for code values using applicable Air, Containers, Motor and TOFC (Dimensions are Outside Dimensions), Other Methods, Rail, and Water tables. Sample Values: QQ, QU, SS, TT	M	ID	4/4	1	330	O	1	600	1	N7	N722	24	O	ID	4/4
44	60	**EM SEGMENT - Date Primary Equipment Furnished** SEGMENT CONDITION: Use if equipment was furnished (for the current N7 loop).	C			1	331	O	1	600	1	N7	See X12 Standards for explanation of syntax notes. C0201C0403				
44-07	60	Date Enter date that equipment was furnished for the current N7 loop.	M	DT	8/8	1	331	O	1	600	1	N7	EM07	373	O	DT	8/8
45	60	**NA SEGMENT - Secondary Equipment Furnished** SEGMENT CONDITION: Required if use of secondary equipment applies.	C			1	335	O	30	600	1	N7	See X12 Standards for explanation of syntax notes. C0102				
45-03	60	Secondary Equipment Initials For rail Trailer on Flatcar/Container on Flatcar (TOFC/COFC) shipments, this data element carries the equipment initials of the flatcar used to convey the trailer/container (primary equipment ordered). When the shipper orders a trailer/container, the carrier supplies a flatcar to convey the trailer/container (primary equipment). The trailer is considered secondary equipment. The shipper incurs no cost for the use of secondary equipment. SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association	M	AN	1/4	1	335	O	30	600	1	N7	NA03	206	M	AN	1/4

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		
45-04	60	Secondary Equipment Numbers For rail Trailer on Flatcar/Container on Flatcar (TOFC/COFC) shipments, this data element carries the equipment serial number of the flatcar used to convey the trailer/container (primary equipment ordered). When the shipper orders a trailer/container, the carrier supplies a flatcar to convey the trailer/container (primary equipment). The trailer is considered secondary equipment. The shipper incurs no cost for the use of secondary equipment. If a number is not available, send value 'xxxx' per shipper's instructions.	M	AN	1/10	1	335	O	30	600	1	N7	NA04	207	M	AN	1/10
45-05	60	Cross Reference Type Code ELEMENT CONDITION: Use to further identify secondary equipment when shipment is by rail. F - Conveying Flat Car	C	ID	1/1	1	335	O	30	600	1	N7	NA05	231	O	ID	1/1
46	60	**M7 SEGMENT - Seals** SEGMENT CONDITION: Required if seals are applied to the primary equipment.	C			1	340	O	5	600	1	N7					
46-01	60	Seal Number Additional seal numbers should be carried in M702, M703, and M704.	M	AN	2/15	1	340	O	5	600	1	N7	M701	225	M	AN	2/15
46-02	60	Additional Seal Number	C	AN	2/15	1	340	O	5	600	1	N7	M702	225	O	AN	2/15
46-03	60	Additional Seal Number	C	AN	2/15	1	340	O	5	600	1	N7	M703	225	O	AN	2/15
46-04	60	Additional Seal Number	C	AN	2/15	1	340	O	5	600	1	N7	M704	225	O	AN	2/15
46-05	60	Seal Numbers Applied By Qualifier CA - Carrier SH - Shipper	M	ID	2/2	1	340	O	5	600	1	N7	M705	98	O	ID	2/3
47	60	**N5 SEGMENT - Primary Equipment Ordered** SEGMENT CONDITION: Required if primary equipment was ordered.	C			1	350	O	1	600	1	N7					
						See X12 Standards for explanation of syntax notes. P0708											
47-01	60	Length Capacity Primary Equipment Ordered Format is FFFII where 8000 is 80 ft.	C	N0	4/5	1	350	O	1	600	1	N7	N501	567	O	N0	4/5
47-02	60	Weight Capacity Primary Equipment Ordered	C	N0	2/3	1	350	O	1	600	1	N7	N502	233	O	N0	2/3
47-03	60	Cubic Capacity Primary Equipment Ordered	C	N0	2/4	1	350	O	1	600	1	N7	N503	203	O	N0	2/4

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		
47-04	60	Type of Equipment Ordered SOURCE: Reference Section 6.0 of this IC for code values using applicable Air, Containers, Motor and TOFC (Dimensions are Outside Dimensions), Other Methods, Rail, and Water tables. Sample Values: QQ, QU, SS, TT	M	ID	4/4	1	350	O	1	600	1	N7	N504	301	O	ID	1/4
48	60	**REF SEGMENT - Tractor Number** SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required.	C			1	360	O	5	600	1	N7	See X12 Standards for explanation of syntax notes. R0203				
48-01	60	Tractor Number Qualifier EQ - Equipment Number	M	ID	2/2	1	360	O	5	600	1	N7	REF01	128	M	ID	2/3
48-02	60	Tractor Number The tractor number carried in this data element is the power unit for the trailer described in the N7 segment of the same equipment loop. This data element is required only for tracking shipments monitored by DTTS.	M	AN	1/10	1	360	O	5	600	1	N7	REF02	127	C	AN	1/30
49	70	**N1 SEGMENT - Transportation Company Tendered To (CA)** LOOP CONDITION: DG 70 is required if the Defense Transportation Tracking System (DTTS) is required.	C			1	390	O	1	12	1	N1	See X12 Standards for explanation of syntax notes. R0203P0304				
49-01	70	Transportation Company Tendered To (CA) Qualifier CA - Carrier	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M	ID	2/3
49-02	70	Transportation Company Tendered To Name (CA)	M	AN	1/35	1	390	O	1	12	1	N1	N102	93	C	AN	1/60
50	70	**PER SEGMENT - Transportation Company Dispatcher Contact** SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required.	C			1	440	O	3	12	1	N1	See X12 Standards for explanation of syntax notes. P0304P0506P0708				
50-01	70	Transportation Company Dispatcher Contact Qualifier EM - Emergency Contact	M	ID	2/2	1	440	O	3	12	1	N1	PER01	366	M	ID	2/2
50-03	70	Transportation Company Dispatcher Telephone Number Qualifier TE - Telephone	M	ID	2/2	1	440	O	3	12	1	N1	PER03	365	C	ID	2/2
50-04	70	Transportation Company Dispatcher Telephone Number	M	AN	7/21	1	440	O	3	12	1	N1	PER04	364	C	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		
51	71	**N1 SEGMENT - Destination (ST)**	M			1	390	O	1	12	1	N1					
						See X12 Standards for explanation of syntax notes. R0203P0304											
51-01	71	Destination Name (ST) Qualifier This qualifier identifies name and address information of the carrier's delivery location. ST - Ship To	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M	ID	2/3
51-02	71	Destination Name (ST)	C	AN	1/35	1	390	O	1	12	1	N1	N102	93	C	AN	1/60
51-03	71	Destination DoDAAC/CAGE/MAPAC Qualifier Do not use CAGE code for ocean shipments. 10 - Department of Defense Activity Address Code (DODAAC) 33 - Commercial and Government Entity (CAGE) A2 - Military Assistance Program Address Code (MAPAC)	M	ID	2/2	1	390	O	1	12	1	N1	N103	66	C	ID	1/2
51-04	71	Destination DoDAAC/CAGE/MAPAC If DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the destination is required.	M	AN	5/6	1	390	O	1	12	1	N1	N104	67	C	AN	2/80
52	71	**N2 SEGMENT - Destination (ST)** SEGMENT CONDITION: Use if additional destination name applies.	C			1	400	O	2	12	1	N1					
52-01	71	Additional Name (ST)	M	AN	1/35	1	400	O	2	12	1	N1	N201	93	M	AN	1/60
53	71	**N3 SEGMENT - Destination (ST)** SEGMENT CONDITION: Use if destination street address applies.	C			1	410	O	2	12	1	N1					
53-01	71	Street (ST)	M	AN	1/35	1	410	O	2	12	1	N1	N301	166	M	AN	1/55
53-02	71	Additional Addressing Information	C	AN	1/35	1	410	O	2	12	1	N1	N302	166	O	AN	1/55
54	71	**N4 SEGMENT - Destination (ST)** SEGMENT CONDITION: Use if destination city, state, and ZIP Code apply.	C			1	420	O	1	12	1	N1					
						See X12 Standards for explanation of syntax notes. C0605											
54-01	71	City (ST) ELEMENT CONDITION: Field is MANDATORY if rail shipment.	C	AN	2/19	1	420	O	1	12	1	N1	N401	19	O	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		
54-02	71	State Code (ST) ELEMENT CONDITION: Field is MANDATORY if rail shipment. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	1	420	O	1	12	1	N1	N402	156	O	ID	2/2
54-03	71	ZIP/Postal Code (ST) There should be no special characters, punctuation, or blanks. ELEMENT CONDITION: Field is MANDATORY if rail shipment. SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C	ID	3/15	1	420	O	1	12	1	N1	N403	116	O	ID	3/15
54-04	71	Country Code ELEMENT CONDITION: If destination is OCONUS, country code is required. SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute	C	ID	2/3	1	420	O	1	12	1	N1	N404	26	O	ID	2/3
54-05	71	Destination SPLC (ST) Qualifier ELEMENT CONDITION: SPLC is required for CONUS, but not OCONUS, shipments. SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) SL - U.S. SPLC	C	ID	2/2	1	420	O	1	12	1	N1	N405	309	C	ID	1/2
54-06	71	Destination SPLC (ST) ELEMENT CONDITION: Nine-digit SPLCs are required for costing. SPLC is provided for CONUS shipments but not OCONUS.	C	AN	9/9	1	420	O	1	12	1	N1	N406	310	O	AN	1/30
55	71	**PER SEGMENT - DTTS Destination (ST)** SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required.	C			1	440	O	3	12	1	N1	See X12 Standards for explanation of syntax notes. P0304P0506P0708				
55-01	71	Destination (ST) Contact Qualifier EM - Emergency Contact	M	ID	2/2	1	440	O	3	12	1	N1	PER01	366	M	ID	2/2
55-03	71	Destination (ST) Phone Number Qualifier AU - Defense Switched Network TE - Telephone	M	ID	2/2	1	440	O	3	12	1	N1	PER03	365	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		
55-04	71	Destination (ST) Contact Phone Number Both commercial and DSN phone numbers are required for ammunition shipments.	M	AN	7/21	1	440	O	3	12	1	N1	PER04	364	C	AN	1/80
56	72	**N1 SEGMENT - Origin (SF)**	M			1	390	O	1	12	1	N1					
						See X12 Standards for explanation of syntax notes. R0203P0304											
56-01	72	Origin Name (SF) Qualifier This qualifier identifies the name and address information of the carrier's pickup location. SF - Ship From	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M	ID	2/3
56-02	72	Origin Name (SF) ELEMENT CONDITION: If issuing GBLOC is unavailable (N406='IOOI') or origin DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the origin is required.	C	AN	1/35	1	390	O	1	12	1	N1	N102	93	C	AN	1/60
56-03	72	Origin DoDAAC/CAGE/MAPAC Qualifier Do not use CAGE code for ocean shipments. 10 - Department of Defense Activity Address Code (DODAAC) 33 - Commercial and Government Entity (CAGE) A2 - Military Assistance Program Address Code (MAPAC)	M	ID	2/2	1	390	O	1	12	1	N1	N103	66	C	ID	1/2
56-04	72	Origin DoDAAC/CAGE/MAPAC If origin DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the origin is required in N102.	M	AN	5/6	1	390	O	1	12	1	N1	N104	67	C	AN	2/80
57	72	**N2 SEGMENT - Origin (SF)** SEGMENT CONDITION: Use if origin additional name applies.	C			1	400	O	2	12	1	N1					
57-01	72	Additional Name (SF)	M	AN	1/35	1	400	O	2	12	1	N1	N201	93	M	AN	1/60
58	72	**N3 SEGMENT - Origin (SF)** SEGMENT CONDITION: Use if origin street address applies.	C			1	410	O	2	12	1	N1					
58-01	72	Street (SF)	M	AN	1/35	1	410	O	2	12	1	N1	N301	166	M	AN	1/55
58-02	72	Additional Addressing Information	C	AN	1/35	1	410	O	2	12	1	N1	N302	166	O	AN	1/55
59	72	**N4 SEGMENT - Origin (SF)** SEGMENT CONDITION: Use if origin city, state, and ZIP Code apply.	C			1	420	O	1	12	1	N1					
						See X12 Standards for explanation of syntax notes. C0605											

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		
59-01	72	City (SF) ELEMENT CONDITION: Field is MANDATORY if rail shipment.	C	AN	2/19	1	420	O	1	12	1	N1	N401	19	O	AN	2/30
59-02	72	State (SF) ELEMENT CONDITION: Field is MANDATORY if rail shipment. Also use for province if shipment is Canadian. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	I	2/2	1	420	O	1	12	1	N1	N402	156	O	ID	2/2
59-03	72	ZIP/Postal Code (SF) Field is MANDATORY if rail shipment. There should be no special characters, punctuation, or blanks. ELEMENT CONDITION: Field is MANDATORY if rail shipment. SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C	ID	3/15	1	420	O	1	12	1	N1	N403	116	O	ID	3/15
59-04	72	Country Code (SF) ELEMENT CONDITION: If origin is OCONUS, country code is required. SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute	C	ID	2/3	1	420	O	1	12	1	N1	N404	26	O	ID	2/3
59-05	72	Shipping Point SPLC (SF) Qualifier ELEMENT CONDITION: Required if N406 is used. SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) SL - U.S. SPLC	C	ID	2/2	1	420	O	1	12	1	N1	N405	309	C	ID	1/2
59-06	72	Shipping Point SPLC (SF) Nine-digit SPLCs are required for costing. SPLC is provided for CONUS shipments but not OCONUS.	C	AN	9/9	1	420	O	1	12	1	N1	N406	310	O	AN	1/30
60	72	**PER SEGMENT - DTTS Origin (SF)** SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required.	C			1	440	O	3	12	1	N1	See X12 Standards for explanation of syntax notes. P0304P0506P0708				
60-01	72	Origin (SF) Contact Qualifier EM - Emergency Contact	M	ID	2/2	1	440	O	3	12	1	N1	PER01	366	M	ID	2/2

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60-03	72	Origin (SF) Phone Number Qualifier AU - Defense Switched Network TE - Telephone	M	ID	2/2	1	440	O	3	12	1	N1	PER03	365	C	ID	2/2
60-04	72	Origin (SF) Contact Phone Number Both commercial and DSN phone numbers are required for ammunition shipments.	M	AN	7/21	1	440	O	3	12	1	N1	PER04	364	C	AN	1/80
61	73	**N1 SEGMENT - Consignee (CN)**	M			1	390	O	1	12	1	N1					
						See X12 Standards for explanation of syntax notes. R0203P0304											
61-01	73	Consignee (CN) Name Qualifier This qualifier identifies the installation transportation office responsible for the shipment at the final destination. CN - Consignee	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M	ID	2/3
61-02	73	Consignee Name (CN) ELEMENT CONDITION: If consignee GBLOC is unavailable (N406='IOOI') or consignee DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the consignee is required.	C	AN	1/35	1	390	O	1	12	1	N1	N102	93	C	AN	1/60
61-03	73	Consignee DoDAAC/CAGE/MAPAC Qualifier Do not use CAGE code for ocean shipments. 10 - Department of Defense Activity Address Code (DODAAC) 33 - Commercial and Government Entity (CAGE) A2 - Military Assistance Program Address Code (MAPAC)	M	ID	2/2	1	390	O	1	12	1	N1	N103	66	C	ID	1/2
61-04	73	Consignee DoDAAC/CAGE/MAPAC If DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the consignee is required in N102.	M	AN	5/6	1	390	O	1	12	1	N1	N104	67	C	AN	2/80
62	73	**N2 SEGMENT - Consignee (CN)** SEGMENT CONDITION: Use if consignee additional name applies.	C			1	400	O	2	12	1	N1					
62-01	73	Additional Name (CN)	M	AN	1/35	1	400	O	2	12	1	N1	N201	93	M	AN	1/60
63	73	**N3 SEGMENT - Consignee (CN)** SEGMENT CONDITION: Use if consignee street address applies.	C			1	410	O	2	12	1	N1					
63-01	73	Street (CN)	M	AN	1/35	1	410	O	2	12	1	N1	N301	166	M	AN	1/55

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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		
63-02	73	Additional Addressing Information	C	AN	1/35	1	410	O	2	12	1	N1	N302	166	O	AN	1/55
64	73	**N4 SEGMENT - Consignee (CN)** SEGMENT CONDITION: Required for all shipments except ocean. Provides required data when shipment is by rail or when consignee is OCONUS. May be used also when consignee city, state, and ZIP Code apply.	C			1	420	O	1	12	1	N1	See X12 Standards for explanation of syntax notes. C0605				
64-01	73	City (CN) ELEMENT CONDITION: Field is MANDATORY if rail shipment.	C	AN	2/19	1	420	O	1	12	1	N1	N401	19	O	AN	2/30
64-02	73	State (CN) ELEMENT CONDITION: Field is MANDATORY if rail shipment. Also use for province if shipment is Canadian. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	1	420	O	1	12	1	N1	N402	156	O	ID	2/2
64-03	73	ZIP Code/Postal Code (CN) There should be no special characters, punctuation, or blanks. ELEMENT CONDITION: Field is MANDATORY if rail shipment. SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C	ID	3/15	1	420	O	1	12	1	N1	N403	116	O	ID	3/15
64-04	73	Country Code (CN) ELEMENT CONDITION: If consignee is OCONUS, country code is required. SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute	C	ID	2/3	1	420	O	1	12	1	N1	N404	26	O	ID	2/3
64-05	73	Consignee (CN) GBLOC Qualifier ELEMENT CONDITION: Required for all shipments except by ocean. SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) BL - Government Bill of Lading Office Code (GBLOC)	C	ID	2/2	1	420	O	1	12	1	N1	N405	309	C	ID	1/2
64-06	73	Consignee (CN) GBLOC ELEMENT CONDITION: If GBLOC is unavailable enter value 'IOOI'. Then, the clear text name of the consignee is required in N102.	C	AN	4/4	1	420	O	1	12	1	N1	N406	310	O	AN	1/30
65	74	**N1 SEGMENT - Shipper (SH)**	M			1	390	O	1	12	1	N1	See X12 Standards for explanation of syntax notes. R0203P0304				

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		
65-01	74	Shipper Name (SH) Qualifier This qualifier identifies the installation transportation office responsible for the shipment at origin. SH - Shipper	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M	ID	2/3
65-02	74	Shipper Name (SH) ELEMENT CONDITION: If shipper DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the shipper is required.	C	AN	1/35	1	390	O	1	12	1	N1	N102	93	C	AN	1/60
65-03	74	Shipper DoDAAC/CAGE/MAPAC Qualifier (SH) Do not use CAGE code for ocean shipments. 10 - Department of Defense Activity Address Code (DODAAC) 33 - Commercial and Government Entity (CAGE) A2 - Military Assistance Program Address Code (MAPAC)	M	ID	2/2	1	390	O	1	12	1	N1	N103	66	C	ID	1/2
65-04	74	Shipper DoDAAC/CAGE/MAPAC (SH) If shipper DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the shipper is required.	M	AN	5/6	1	390	O	1	12	1	N1	N104	67	C	AN	2/80
66	74	**N2 SEGMENT - Shipper (SH)** SEGMENT CONDITION: Use if shipper additional name applies.	C			1	400	O	2	12	1	N1					
66-01	74	Additional Name (SH)	M	AN	1/35	1	400	O	2	12	1	N1	N201	93	M	AN	1/60
67	74	**N3 SEGMENT - Shipper (SH)** SEGMENT CONDITION: Use if shipper street address applies.	C			1	410	O	2	12	1	N1					
67-01	74	Street (SH)	M	AN	1/35	1	410	O	2	12	1	N1	N301	166	M	AN	1/55
67-02	74	Additional Addressing Information	C	AN	1/35	1	410	O	2	12	1	N1	N302	166	O	AN	1/55
68	74	**N4 SEGMENT - Shipper (SH)** SEGMENT CONDITION: Use if shipper city, state, and ZIP Code apply.	C			1	420	O	1	12	1	N1	See X12 Standards for explanation of syntax notes. C0605				
68-01	74	City (SH) ELEMENT CONDITION: Field is required for rail shipments.	C	AN	2/19	1	420	O	1	12	1	N1	N401	19	O	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		
68-02	74	State (SH) ELEMENT CONDITION: Field is required for if rail shipments. Also use for province if shipment is Canadian. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	1	420	O	1	12	1	N1	N402	156	O	ID	2/2
68-03	74	ZIP Code/Postal Code (SH) There should be no special characters, punctuation, or blanks. ELEMENT CONDITION: Field is required for rail shipments. SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C	ID	3/15	1	420	O	1	12	1	N1	N403	116	O	ID	3/15
68-04	74	Country Code (SH) ELEMENT CONDITION: If shipper is OCONUS, country code is required. SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute	C	ID	2/3	1	420	O	1	12	1	N1	N404	26	O	ID	2/3
69	75	**N1 SEGMENT - Diversion/Reconsignment To (TT)** LOOP CONDITION: Required if shipment requires diversion/reconsignment destination.	C			1	390	O	1	12	1	N1	See X12 Standards for explanation of syntax notes. R0203P0304				
69-01	75	Diversion/Reconsignment (TT) To Qualifier Location that shipment is diverted/reconsigned to. TT - Transfer To	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M	ID	2/3
69-02	75	Diversion/Reconsignment (TT) To City Carry the city name that pertains to the SPLC.	M	AN	2/19	1	390	O	1	12	1	N1	N102	93	C	AN	1/60
70	75	**N4 SEGMENT - Diversion/Reconsignment To Country Code (TT)** SEGMENT CONDITION: If shipment is CONUS, SPLC is required. If OCONUS, country code is required.	C			1	420	O	1	12	1	N1	See X12 Standards for explanation of syntax notes. C0605				
70-04	75	Country Code ELEMENT CONDITION: If diversion/reconsignment is OCONUS, country code is required. SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute	C	ID	2/3	1	420	O	1	12	1	N1	N404	26	O	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		
70-05	75	Diversion/Reconsignment (TT) To SPLC Qualifier Required if N406 is used. SL - U.S. SPLC	C	ID	2/2	1	420	O	1	12	1	N1	N405	309	C	ID	1/2
70-06	75	Diversion/Reconsignment (TT) To SPLC	C	AN	9/9	1	420	O	1	12	1	N1	N406	310	O	AN	1/30
71	76	**N1 SEGMENT - Diversion/Reconsignment From (T4)** LOOP CONDITION: DG 76 required if shipment requires diversion/reconsignment destination.	C			1	390	O	1	12	1	N1 See X12 Standards for explanation of syntax notes. R0203P0304					
71-01	76	Diversion/Reconsignment (T4) From Qualifier T4 - Transfer Point	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M	ID	2/3
71-02	76	Diversion/Reconsignment (T4) From Location that shipment was diverted/reconsigned from. Carry the city name that pertains to the SPLC.	M	AN	1/19	1	390	O	1	12	1	N1	N102	93	C	AN	1/60
72	76	**N4 SEGMENT - Diversion/Reconsignment (T4)** SEGMENT CONDITION: Required if diversion/reconsignment SPLC applies.	C			1	420	O	1	12	1	N1 See X12 Standards for explanation of syntax notes. C0605					
72-05	76	Diversion/Reconsignment (T4) From SPLC Qualifier SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) SL - U.S. SPLC	M	ID	2/2	1	420	O	1	12	1	N1	N405	309	C	ID	1/2
72-06	76	Diversion/Reconsignment (T4) From SPLC	M	AN	9/9	1	420	O	1	12	1	N1	N406	310	O	AN	1/30
73	77	**N1 SEGMENT - Bill Charges To (PO)**	M			1	390	O	1	12	1	N1 See X12 Standards for explanation of syntax notes. R0203P0304					
73-01	77	Bill Charges To (PO) Qualifier PO - Party to Receive Invoice for Goods or Services	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M	ID	2/3
73-02	77	Bill Charges To (PO)	C	AN	1/35	1	390	O	1	12	1	N1	N102	93	C	AN	1/60

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		
73-03	77	Bill Charges To (PO) DoDAAC/CAGE/MAPAC Qualifier Do not use CAGE code for ocean shipments. ELEMENT CONDITION: Required if N104 is used. 10 - Department of Defense Activity Address Code (DODAAC) 33 - Commercial and Government Entity (CAGE) A2 - Military Assistance Program Address Code (MAPAC)	C	ID	2/2	1	390	O	1	12	1	N1	N103	66	C	ID	1/2
73-04	77	Bill Charges To (PO) DoDAAC/CAGE/MAPAC	C	AN	5/6	1	390	O	1	12	1	N1	N104	67	C	AN	2/80
74	77	**N2 SEGMENT - Bill Charges To (PO)** SEGMENT CONDITION: Use if additional name is required for party to whom charges are billed. If available provide additional name to accommodate trading partners that cannot identify activities by DoDAAC/CAGE/MAPAC.	C			1	400	O	2	12	1	N1					
74-01	77	Additional Name (PO)	M	AN	1/35	1	400	O	2	12	1	N1	N201	93	M	AN	1/60
75	77	**N3 SEGMENT - Bill Charges To (PO)** SEGMENT CONDITION: Use if street address is required for party to whom charges are billed. f available provide street address to accommodate trading partners that cannot identify activities by DoDAAC/CAGE/MAPAC.	C			1	410	O	2	12	1	N1					
75-01	77	Street (PO)	M	AN	1/35	1	410	O	2	12	1	N1	N301	166	M	AN	1/55
75-02	77	Additional Addressing Information	C	AN	1/35	1	410	O	2	12	1	N1	N302	166	O	AN	1/55
76	77	**N4 SEGMENT - Bill Charges To (PO)** SEGMENT CONDITION: Use if city is required for party to whom charges are billed. If available provide city, state, and ZIP to accommodate trading partners that cannot identify activities by DoDAAC/CAGE/MAPAC.	C			1	420	O	1	12	1	N1	See X12 Standards for explanation of syntax notes. C0605				
76-01	77	City (PO)	C	AN	2/19	1	420	O	1	12	1	N1	N401	19	O	AN	2/30
76-02	77	State (PO) SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	1	420	O	1	12	1	N1	N402	156	O	ID	2/2
76-03	77	ZIP Code/Postal Code (PO) SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C	ID	3/15	1	420	O	1	12	1	N1	N403	116	O	ID	3/15

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77	78	**N1 SEGMENT - Issuing Office (IU)**	M			1	390	O	1	12	1	N1					
						See X12 Standards for explanation of syntax notes. R0203P0304											
77-01	78	Issuing Office (IU) Name Qualifier IU - Issuer	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M	ID	2/3
77-02	78	Issuing Office (IU) Name	M	AN	1/35	1	390	O	1	12	1	N1	N102	93	C	AN	1/60
78	78	**N2 SEGMENT - Issuing Office (IU)** SEGMENT CONDITION: Use if additional name is required for issuing office.	C			1	400	O	2	12	1	N1					
78-01	78	Additional Name (IU)	M	AN	1/35	1	400	O	2	12	1	N1	N201	93	M	AN	1/60
79	78	**N3 SEGMENT - Issuing Office (IU)** SEGMENT CONDITION: Use if street address is required for issuing office.	C			1	410	O	2	12	1	N1					
79-01	78	Street (IU)	M	AN	1/35	1	410	O	2	12	1	N1	N301	166	M	AN	1/55
79-02	78	Additional Addressing Information	C	AN	1/35	1	410	O	2	12	1	N1	N302	166	O	AN	1/55
80	78	**N4 SEGMENT - Issuing Office (IU)** SEGMENT CONDITION: Use if Issuing Office (IU) city, state, and ZIP Code apply.	C			1	420	O	1	12	1	N1					
						See X12 Standards for explanation of syntax notes. C0605											
80-01	78	City (IU)	C	AN	2/19	1	420	O	1	12	1	N1	N401	19	O	AN	2/30
80-02	78	State (IU) SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	1	420	O	1	12	1	N1	N402	156	O	ID	2/2
80-03	78	ZIP Code/Postal Code (IU) SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C	AN	3/15	1	420	O	1	12	1	N1	N403	116	O	ID	3/15
80-05	78	Issuing Office (IU) GBLOC Qualifier SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) BL - Government Bill of Lading Office Code (GBLOC)	M	ID	2/2	1	420	O	1	12	1	N1	N405	309	C	ID	1/2

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80-06	78	Issuing Office (IU) GBLOC This element must contain a valid GBLOC. Do not use 'IOOI'.	M	AN	4/4	1	420	O	1	12	1	N1	N406	310	O	AN	1/30
81	78	**PER SEGMENT - Name of Issuing Officer (IU)** SEGMENT CONDITION: Use if name of issuing officer is required.	C			1	440	O	3	12	1	N1					
						See X12 Standards for explanation of syntax notes. P0304P0506P0708											
81-01	78	Name of Issuing Officer Qualifier IO - Issuing Officer	M	ID	2/2	1	440	O	3	12	1	N1	PER01	366	M	ID	2/2
81-02	78	Name of Issuing Officer	M	AN	1/35	1	440	O	3	12	1	N1	PER02	93	O	AN	1/60
82	79	**N1 SEGMENT - FOB Point (KX)** LOOP CONDITION: Use if FOB point applies.	C			1	390	O	1	12	1	N1					
						See X12 Standards for explanation of syntax notes. R0203P0304											
82-01	79	FOB Point (KX) Qualifier KX - Free on Board Point	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M	ID	2/3
82-02	79	FOB Point (KX) Carry actual FOB point name in this data element.	M	AN	1/35	1	390	O	1	12	1	N1	N102	93	C	AN	1/60
83	79	**N4 SEGMENT - FOB Point** SEGMENT CONDITION: Use if FOB point applies.	C			1	420	O	1	12	1	N1					
						See X12 Standards for explanation of syntax notes. C0605											
83-01	79	FOB Point (City) Named In Contract	C	AN	2/19	1	420	O	1	12	1	N1	N401	19	O	AN	2/30
83-02	79	FOB Point (State) Named In Contract SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	1	420	O	1	12	1	N1	N402	156	O	ID	2/2
83-05	79	FOB SPLC Qualifier ELEMENT CONDITION: Required if N406 is used. SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) See Section 6 for list of data values.	C	ID	1/2	1	420	O	1	12	1	N1	N405	309	C	ID	1/2
83-06	79	FOB SPLC	C	AN	9/9	1	420	O	1	12	1	N1	N406	310	O	AN	1/30

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84	80	**S5 SEGMENT - Stop Data** LOOP CONDITION: DG 80 required if the shipment requires inside pickup, inside delivery, stops, and objective service supply deliveries. The S5 loop must occur for each unique action that occurs at an enroute location. If a pickup and delivery action are performed at the same enroute location, the S5 loop must occur once for the pickup, and once for the delivery. The origin address is not included in this loop. The split pickup and split delivery addresses are included in this loop. For example, if a shipment makes a stop location and unloads an item, then moves to an inside address and unloads and loads an item, three actions have affected the shipment at two locations. Consequently, the 858 must contain three S5 loops, one for each action.	C			1	450	O	1	999	1	S5	See X12 Standards for explanation of syntax notes. P0304P0506P0708				
84-01	80	Stop Sequence Number If the shipment stops enroute to the final destination, enter the sequence number of the stop location here. This sequence number needs to appear in the 100 Detail - Line Item Header Information Loop with each commodity that is picked up and/or delivered at that stop. [T_9 D-14 72/73]	M	N0	1/2	1	450	O	1	999	1	S5	S501	165	M	N0	1/3
84-02	80	Stop Reason Code LD - Load UL - Unload	M	ID	2/2	1	450	O	1	999	1	S5	S502	163	M	ID	2/2
84-10	80	Stop SPLC Code Nine-digit SPLCs are required for costing of all shipments except by ocean. SPLC not used OCONUS. SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc.	C	ID	9/9	1	450	O	1	999	1	S5	S510	154	O	ID	6/9
84-11	80	Stop Accomplish Code A - Accomplished P - Pending	C	ID	1/1	1	450	O	1	999	1	S5	S511	190	O	ID	1/1
85	80	**G62 SEGMENT - Stop Arrival/Departure Times** SEGMENT CONDITION: Required if stop/pickup applies.	C			1	460	O	6	999	1	S5	See X12 Standards for explanation of syntax notes. R0103P0102P0304				
85-01	80	Stop Date(s) Qualifier 69 - Scheduled Pick-Up Date 70 - Scheduled Delivery Date	M	ID	2/2	1	460	O	6	999	1	S5	G6201	432	C	ID	2/2
85-02	80	Stop Date(s) Use to satisfy claims and discrepancies. Scheduled date on which stop will occur.	M	DT	8/8	1	460	O	6	999	1	S5	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		
85-03	80	Stop Arrival/Departure Times Qualifier ELEMENT CONDITION: Required if G6204 is used. 8 - Actual Pickup Time 9 - Actual Delivery Time A - Actual Departure Time	C	ID	1/1	1	460	O	6	999	1	S5	G6203	176	C	ID	1/2
85-04	80	Stop Arrival/Departure Times Scheduled time at which stop will occur. Use time format HHMM.	C	TM	4/4	1	460	O	6	999	1	S5	G6204	337	C	TM	4/8
86	80	**N1 SEGMENT - Stop Name of Party to Receive Shipment**	M			1	490	O	1	5	2	N1					
						See X12 Standards for explanation of syntax notes. R0203P0304											
86-01	80	Stop Name Of Party To Receive Shipment Qualifier LP - Loading Party UP - Unloading Party	M	ID	2/2	1	490	O	1	5	2	N1	N101	98	M	ID	2/3
86-02	80	Stop Name Of Party To Receive Shipment ELEMENT CONDITION: If stop DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the stop is required.	C	AN	1/35	1	490	O	1	5	2	N1	N102	93	C	AN	1/60
86-03	80	Stop DoDAAC/CAGE/MAPAC Qualifier Do not use CAGE code for ocean shipments. 10 - Department of Defense Activity Address Code (DODAAC) 33 - Commercial and Government Entity (CAGE) A2 - Military Assistance Program Address Code (MAPAC)	M	ID	2/2	1	490	O	1	5	2	N1	N103	66	C	ID	1/2
86-04	80	Stop DoDAAC/CAGE/MAPAC If stop DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the stop is required. [T_9 D-14 74/79]	M	AN	5/6	1	490	O	1	5	2	N1	N104	67	C	AN	2/80
87	80	**N2 SEGMENT - Stop Name of Party to Receive Shipment** SEGMENT CONDITION: Use if stop name of party to receive shipment applies.	C			1	500	O	2	5	2	N1					
87-01	80	Additional Name	M	AN	1/35	1	500	O	2	5	2	N1	N201	93	M	AN	1/60

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88	80	**N3 SEGMENT - Stops** SEGMENT CONDITION: Use if stop street address of party to receive shipment applies.	C			1	510	O	2	5	2	N1					
88-01	80	Street	M	AN	1/35	1	510	O	2	5	2	N1	N301	166	M	AN	1/55
88-02	80	Additional Addressing Information	C	AN	1/35	1	510	O	2	5	2	N1	N302	166	O	AN	1/55
89	80	**N4 SEGMENT - Stops** SEGMENT CONDITION: Use if stop city/state of party to receive shipment applies.	C			1	520	O	1	5	2	N1	See X12 Standards for explanation of syntax notes. C0605				
89-01	80	City	C	AN	2/19	1	520	O	1	5	2	N1	N401	19	O	AN	2/30
89-02	80	State Also use for province if shipment is Canadian. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	1	520	O	1	5	2	N1	N402	156	O	ID	2/2
89-03	80	Stop ZIP Code/Postal Code SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C	ID	3/15	1	520	O	1	5	2	N1	N403	116	O	ID	3/15
89-04	80	Country Code ELEMENT CONDITION: If stop is OCONUS, country code is required. SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute	C	ID	2/3	1	520	O	1	5	2	N1	N404	26	O	ID	2/3
90	80	**PER SEGMENT - Stop Communication Numbers** SEGMENT CONDITION: Use if stop communication numbers apply.	C			1	540	O	3	5	2	N1	See X12 Standards for explanation of syntax notes. P0304P0506P0708				
90-01	80	Stop Communication Numbers Qualifier IC - Information Contact	M	ID	2/2	1	540	O	3	5	2	N1	PER01	366	M	ID	2/2
90-03	80	Stop Communication Numbers Contact Qualifier IT - International Telephone TE - Telephone	M	ID	2/2	1	540	O	3	5	2	N1	PER03	365	C	ID	2/2
90-04	80	Stop Communication Numbers Contact	M	AN	7/21	1	540	O	3	5	2	N1	PER04	364	C	AN	1/80

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91	10	**FA1 SEGMENT - Appropriation** LOOP CONDITION: Carriers do not need to receive appropriation data. This segment begins the appropriation number loop. It calls for both FA1 and FA2 segments. 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. If there is only one Transportation Accounting Code or Line of Accounting at the header level, then it applies to all shipments in that container. If there is TAC/LOA at the header level, and some of the line items in the container have their own TACs/LOAs and some do not, use the TACs/LOAs at the line item level for those specific shipments and default to the header TAC/LOA for all others. If there is an invalid TAC/LOA on a single line item we will use the header TAC/LOA.	C			1	550	O	1	>1	1	FA1					
91-01	10	Agency Qualifier Code 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	1	550	O	1	>1	1	FA1	FA101	559	M	ID	2/2
92	10	**FA2 SEGMENT - Appropriation Breakdown Structure** This segment is MANDATORY if and only if the FA1 SEGMENT - Appropriation segment is used. Otherwise, this segment may not be used.	M			1	560	M	>1	>1	1	FA1					
92-01	10	Breakdown Structure Detail Code See Section 6 for list of data values.	M	ID	2/2	1	560	M	>1	>1	1	FA1	FA201	1196	M	ID	2/2
92-02	10	Financial Information Code 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	1	560	M	>1	>1	1	FA1	FA202	1195	M	AN	1/80
93	10	**L10 SEGMENT - Appropriation Weight** This segment is MANDATORY if and only if the FA1 SEGMENT - Appropriation segment is used. Otherwise, this segment may not be used.	M			1	570	O	1	>1	1	FA1					
93-01	10	Weight Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	M	R	1/8	1	570	O	1	>1	1	FA1	L1001	81	M	R	1/10
93-02	10	Weight Qualifier N - Actual Net Weight	M	ID	1/1	1	570	O	1	>1	1	FA1	L1002	187	M	ID	1/2

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93-03	10	Weight Unit Code E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	M	ID	1/1	1	570	O	1	>1	1	FA1	L1003	188	O	ID	1/1
94	100	**HL SEGMENT - Line Item Detail**	M			2	010	M	1	>1	1	HL					
94-01	100	Detail - Line Item Description Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop, regardless of usage of the HL loop. An HL Line Item Description Loop is generated for each DG 100. A shipment unit is identified by a single Transportation Control Number (TCN). Each commodity description cites the TCN it is grouped under. A shipment unit may cite multiple commodities. DG 100, commodity header information, describes one commodity (NMFC, UFC, DoD unique). The commodity detail information, DG 120, describes the type pack information in the L0 loop. There can be multiple type packs per line item.	M	N0	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
94-03	100	Hierarchical Level Code This code identifies the Line Item Description Loop. I - Item	M	ID	1/1	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
95	100	**N7 SEGMENT - Primary Equipment Identifier** SEGMENT CONDITION: This segment is required in the line item detail if the shipment moves on multiple pieces of primary equipment. Use this segment to associate the line item with the primary equipment on which it is conveyed. Associate with equipment identified in N7 segment, DataGroup 60.	C			2	020	O	1	>1	1	HL	See X12 Standards for explanation of syntax notes. P0304P0516P0809				
95-01	100	Primary Equipment Initials This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes initials of the furnished primary equipment in/on which the commodity is conveyed. SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association [T_2 9/12]	C	AN	1/4	2	020	O	1	>1	1	HL	N701	206	O	AN	1/4

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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		
95-02	100	Primary Equipment Numbers This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes numbers on the furnished primary equipment in/on which the commodity is conveyed. [T_4 9/14]	M	AN	1/10	2	020	O	1	>1	1	HL	N702	207	M	AN	1/10
96	100	**NA SEGMENT - Shipper Equipment Numbers** SEGMENT CONDITION: This segment required to indicate the mapping for shipper equipment numbers when applicable. Shipper equipment is that equipment/vehicle which is supplied/owned by the shipper. This includes DROMs, containers, and vans. Shipper owned vehicles, like trucks, jeeps, and tanks, are identified using a different mapping of the NA segment in the HL Line Item Description Loop. See the following occurrence of the NA segment for mapping of vehicles information.	C			2	030	O	1	>1	1	HL	See X12 Standards for explanation of syntax notes. C0102				
96-03	100	Shipper Equipment Initials DODV - DoD Van and Container DROM - Dromedary Equipment	M	AN	4/4	2	030	O	1	>1	1	HL	NA03	206	M	AN	1/4
96-04	100	Shipper Equipment Numbers Use for Initials and Serial Number of the Shipper Owned Containers/DROMs.	M	AN	1/10	2	030	O	1	>1	1	HL	NA04	207	M	AN	1/10
97	100	**NA SEGMENT - Military Vehicle Identification** SEGMENT CONDITION: This segment required to indicate the mapping for shipper owned vehicles when applicable. This includes cars, jeeps, tanks, and trucks. See the previous occurrence of the NA segment for mapping of shipper equipment information. The model number maps to NTE SEGMENT - Vehicle Model Number.	C			2	030	O	1	>1	1	HL	See X12 Standards for explanation of syntax notes. C0102				
97-01	100	Military Vehicle Identification/Serial Number Qualifier ELEMENT CONDITION: Required if NA02 is used. SE - Serial Number VT - Motor Vehicle ID Number	C	ID	2/2	2	030	O	1	>1	1	HL	NA01	128	O	ID	2/3
97-02	100	Military Vehicle Identification/Serial Number Use VIN to describe the vehicles being moved.	C	AN	1/30	2	030	O	1	>1	1	HL	NA02	127	C	AN	1/30
97-03	100	Military Vehicle Initials (Filler) NONX - Vehicle	M	AN	4/4	2	030	O	1	>1	1	HL	NA03	206	M	AN	1/4
97-04	100	Military Vehicle Bumper Number Use 'NONE' if bumper number is unavailable.	M	AN	1/10	2	030	O	1	>1	1	HL	NA04	207	M	AN	1/10

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98	100	**M7 SEGMENT - Seals** SEGMENT CONDITION: Required when seals are applied.	C			2	040	O	5	>1	1	HL					
98-01	100	Seals On Shipper Owned Equipment Use to describe seal applied to equipment (Containers, DROMs) owned by the shipper. [T_9 D-13 66/73]	M	AN	2/15	2	040	O	5	>1	1	HL	M701	225	M	AN	2/15
99	100	**N9 SEGMENT - Requisition Number** SEGMENT CONDITION: Required if available.	C			2	100	O	10	>1	1	HL	See X12 Standards for explanation of syntax notes. R0203C0605				
99-01	100	Requisition Number Qualifier RQ - Purchase Requisition Number	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
99-02	100	Requisition Number The requisition number which corresponds to the line item is carried in this data element. [T_9 D-13 78/79]	M	AN	14/17	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
100	100	**N9 SEGMENT - TCN**	M			2	100	O	10	>1	1	HL	See X12 Standards for explanation of syntax notes. R0203C0605				
100-01	100	TCN Qualifier TG - Transportation Control Number (TCN)	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
100-02	100	TCN - Transportation Control Number Every line item (HL Line Item Description Loop) should identify the TCN with which it is associated. [T_9 D-13 78/79]	M	AN	17/17	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
100-07		Transportation Tracking Number (TTN) Composite Header COMPOSITE CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.	C	CE		2	100	O	10	>1	1	HL	N907 See X12 Standards for explanation of syntax notes. P0304P0506	C040	O	CE	
100-07-01		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	C04001	128	M	ID	2/3
100-07-02		Transportation Tracking Number (TTN).	M	AN	17/17	2	100	O	10	>1	1	HL	C04002	127	M	AN	1/30

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101	100	**N9 SEGMENT - National Stock No./Manufacturer's Part No.** SEGMENT CONDITION: Required if available.	C			2	100	O	10	>1	1	HL					
						See X12 Standards for explanation of syntax notes. R0203C0605											
101-01	100	National Stock No./Manufacturer's Part No. Qualifier This qualifier must appear if NSN is used. Use Manufacturer's Part Number if NSN is not available. MF - Manufacturers Part Number NS - National Stock Number	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
101-02	100	National Stock No./Manufacturer's Part No. [T_9 D-13 78/79]	M	AN	1/30	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
102	100	**N9 SEGMENT - Project Code** SEGMENT CONDITION: Required if project code is used.	C			2	100	O	10	>1	1	HL					
						See X12 Standards for explanation of syntax notes. R0203C0605											
102-01	100	Project Code Qualifier P4 - Project Code	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
102-02	100	Project Code [T_9 D-13 78/79]	M	AN	1/3	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
103	100	**N9 SEGMENT - Stop Sequence Number Cross-Reference**	C			2	100	O	10	>1	1	HL					
						See X12 Standards for explanation of syntax notes. R0203C0605											
103-01	100	Stop Sequence Number Cross-Reference Qualifier QN - Stop Sequence Number	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
103-02	100	Stop Sequence Number Cross-Reference If stops apply to a shipment, a line item is identified with a stop by carrying the sequence number of the stop address in this data element. That sequence number appears in the S5 segment in the header area of the transaction set. [T_9 D-13 78/79]	M	N0	1/2	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
104	100	**N9 SEGMENT - External Tracking Number (XTN)** SEGMENT CONDITION: Use for USML shipments. U.S. Customs' Automated Export System uses this number.	C			2	100	O	10	>1	1	HL					
						See X12 Standards for explanation of syntax notes. R0203C0605											
104-01	100	Reference Identification Qualifier ED - Export Declaration	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3

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104-02	100	Reference Identification Use shipper DoDAAC plus TCN.	M	AN	23/23	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
105	100	**N9 SEGMENT - LIN Index Number** SEGMENT CONDITION: Use for Army Unit moves.	C			2	100	O	10	>1	1	HL					
						See X12 Standards for explanation of syntax notes. R0203C0605											
105-01	100	LIN Index Number Qualifier BCI - Basic Contract Line Item Number	M	ID	3/3	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
105-02	100	LIN Index Number [T_9 D-13 78/79]	M	AN	2/2	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
106	100	**N9 SEGMENT - Line Item Number** SEGMENT CONDITION: Use for Army Unit moves.	C			2	100	O	10	>1	1	HL					
						See X12 Standards for explanation of syntax notes. R0203C0605											
106-01	100	Line Item Number Qualifier LI - Line Item Identifier (Seller's)	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
106-02	100	Line Item Number [T_9 D-13 78/79]	M	AN	1/6	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
107	100	**N9 SEGMENT - Controlled Inventory Item Code (CIIC)** SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required and if DoD-controlled item has a CIIC assigned.	C			2	100	O	10	>1	1	HL					
						See X12 Standards for explanation of syntax notes. R0203C0605											
107-01	100	Controlled Inventory Item Code (CIIC) Qualifier M6 - Military Ordnance Security Risk Number *Use 'M6' to denote Controlled Inventory Item Code (CIIC).*	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
107-02	100	Controlled Inventory Item Code (CIIC) SOURCE: DoD 4100.39-M (FLIS Manual) Volume 10, Table 61 [T_9 D-13 78/79]	M	AN	1/1	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
108	100	**N9 SEGMENT - DoD Identification Code (DoDIC)** SEGMENT CONDITION: Required for DTTS if the hazardous shipment contains ammunition.	C			2	100	O	10	>1	1	HL					
						See X12 Standards for explanation of syntax notes. R0203C0605											
108-01	100	DoDIC Qualifier 1I - Department of Defense Identification Code (DoDIC)	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3

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108-02	100	DoDIC Required for all ammunition and explosives. Also called Navy Ammunition Logistics Code (NALC). [T_9 D-15 67/70]	M	AN	4/4	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
109	100	**L5 SEGMENT - Classification**	M			2	130	O	10	>1	1	HL					
						See X12 Standards for explanation of syntax notes. P0304C0706P0809											
109-02	100	Description Of Articles Clear text description of the line item. [T_8 11/14]	C	AN	1/50	2	130	O	10	>1	1	HL	L502	79	O	AN	1/50
109-03	100	Classification Item No. (Commodity Code) When the sub-item number is available, provide it in the last two positions of this element. DIC reference is applicable only when qualified with the value 'I' in the L504. CHANGE NOTE: Length attribute and DIC reference changed per DM 1026. [T_0 15/19]	M	AN	1/8	2	130	O	10	>1	1	HL	L503	22	C	AN	1/30
109-04	100	Classification Item No. (Commodity Code) Qualifier D - Department of Defense Unique Codes I - Milstamp AITC or Water Commodity Code L - Last Contained Contents STCC N - National Motor Freight Classification (NMFC) T - Standard Transportation Commodity Code (STCC) U - Uniform Freight Classification (UFC)	M	ID	1/1	2	130	O	10	>1	1	HL	L504	23	C	ID	1/1
109-06	100	Number On Packages Use to show descriptive marks and numbers on freight.	C	AN	1/45	2	130	O	10	>1	1	HL	L506	87	C	AN	1/48
110	100	**L5 SEGMENT - Privately Owned Vehicle** SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.	C			2	130	O	10	>1	1	HL					
						See X12 Standards for explanation of syntax notes. P0304C0706P0809											
110-02	100	POV Make ELEMENT CONDITION: If this segment appears, at least one of L502 and L506 must be used in this segment. [T_8 11/14]	C	AN	1/10	2	130	O	10	>1	1	HL	L502	79	O	AN	1/50

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110-06	100	Vehicle Color ELEMENT CONDITION: If this segment appears, at least one of L502 and L506 must be used in this segment.	C	AN	1/8	2	130	O	10	>1	1	HL	L506	87	C	AN	1/48
111	190	**LH6 SEGMENT - Certification Code (49 CFR Compliance)** SEGMENT CONDITION: Required for HAZMAT shipments.	C			2	134	O	5	>1	1	HL	See X12 Standards for explanation of syntax notes. P0203				
111-01	190	HAZMAT - Certifying Person (49CFR Compliance) Clear text. MANDATORY for all hazardous material shipments. SOURCE: 49 CFR 172.204	M	AN	1/35	2	134	O	5	>1	1	HL	LH601	93	O	AN	1/60
111-02	190	HAZMAT - Certification Code (49 CFR Compliance) 1 - Abbreviated Hazardous Certification 2 - Long Form of Hazardous Certification	M	ID	1/1	2	134	O	5	>1	1	HL	LH602	272	C	ID	1/1
111-03	190	HAZMAT - Certification Declaration (49 CFR Compliance) Certification verbiage in accordance with 49 CFR 172.204. MANDATORY for all hazardous materials shipments. Verbiage that certifies the entire shipment should appear once in the first occurrence of the HL Line Item Description Loop. SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	M	AN	1/25	2	134	O	5	>1	1	HL	LH603	273	C	AN	1/25
111-04	190	HAZMAT - Certification Declaration (49 CFR Compliance) ELEMENT CONDITION: Use for any remainder of certification verbiage exceeding 25 characters in LH603. SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	C	AN	1/25	2	134	O	5	>1	1	HL	LH604	273	O	AN	1/25
112	190	**NTE SEGMENT - DTCI Offer Record Number** SEGMENT CONDITION: Use for Defense Transportation Coordination Initiative (DTCI) shipments only. Required for DTCI shipments. Matches the shipper's offer record numbers that appear in corresponding 219 Transportation Service Request and a 220 Transportation Service Response.	C			2	140	O	100	>1	1	HL					
112-01	190	DTCI Offer Record Number Qualifier UPI - Updated Information *Use 'UPI' to denote DTCI Offer Record Number Qualifier.*	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
112-02	190	DTCI Offer Record Number	M	AN	1/30	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80

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113	190	**NTE SEGMENT - Vehicle Model Number** SEGMENT CONDITION: Use to identify the model number for military vehicles as applicable. Required for ocean shipments.	C			2	140	O	100	>1	1	HL					
113-01	1001	Vehicle Model Number Qualifier EED - Equipment Description	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
113-02	1001	Vehicle Model Number [T_9 D12 54/79]	M	AN	1/10	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
114	190	**NTE SEGMENT - Unit Line Number** SEGMENT CONDITION: Use to identify unit line number as applicable.	C			2	140	O	100	>1	1	HL					
114-01	2001	Unit Line Number Qualifier OTN - Another Type of Number Description	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
114-02	2001	Unit Line Number [T_9 D-12 54/79]	M	AN	1/7	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
115	190	**NTE SEGMENT - Transportation Tracking Account Number (TTAN)** SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Account Number is applicable.	C			2	140	O	100	>1	1	HL					
115-01	190	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
115-02	190	Transportation Tracking Account Number (TTAN)	M	AN	13/13	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
116	190	**NTE SEGMENT - Other Information** SEGMENT CONDITION: For non-ocean shipments, use to indicate line item level special instructions. Ocean shipments use for additional comments information or rating information as needed. Repeat once for each qualifier.	C			2	140	O	100	>1	1	HL					

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		
116-01	190	Other Information Qualifier Code Shipments by other than ocean use code value 'OTH'. Ocean shipments use code values 'CIG', 'LIQ', 'ADD', and 'OCR'. ADD - Additional Information CIG - Cigarette Information LIQ - Liquor Information OCR - Outside the Continental U.S. (OCONUS) Rating Information OTH - Other Instructions	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
116-02	190	Other Information Shipments by other than ocean enter clear text information related to the line item such as velocity management instructions. Ocean shipments enter values depending on code value in NTE01 as follows: With code value 'OCR' use tariff for CONUS to Hawaii/Guam Rating Information. With code value 'CIG' or 'LIQ' use cigarette or liquor information. Repeat segment until all cigarette or liquor data has been entered. [T_9 D-12 54/79]	M	AN	1/80	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
117	120	**L0 SEGMENT - Billed/Rated Quantity** CHANGE NOTE: Segment condition updated per DM 1043. Repeat the L0 loop if there is more than one set of oversized dimensions for the same item.	M			2	145	O	1	20	2	L0	See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315				
117-02	120	Billed/Rated Quantity A commodity is a single type of product or material. Transportation of a commodity is usually billed/rated by units of freight weight. A line item on a transportation bill describes a single commodity. The quantity of a line item commodity is described here in the L0 segment in the HL Detail - Line Item Description Loop. One L0 segment occurs for each type pack under the line item. There may be many line items, i.e., HL Line Item Description Loop, of the same commodity. Two rules must be followed when constructing an L0 segment: 1) If the billed/rated quantity is expressed as freight weight, it appears here. Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. The L004, L005, and L011 elements are not used. 2) If the billed/rated quantity is other than weight, such as barrels or gallons in the case of a pipeline shipment, it also appears here. If entry does not contain a decimal, decimal is assumed at right-most point of the field. In addition, the L004, L005, and L011 elements are used to carry the weight information, if required. For ocean shipments, enter line item weight.	M	R	1/8	2	145	O	1	20	2	L0	L002	220	C	R	1/11
117-03	120	Billed/Rated Quantity Qualifier BA - Barrels GL - Gallon LB - Pound	M	ID	2/2	2	145	O	1	20	2	L0	L003	221	C	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		
117-04	120	Freight Weight Freight weight of line item described in pounds only. Freight weight is the weight that line haul rate is based on and may include skid, pallet, and dunnage weights, depending on the applicable tender. Skid, pallet, and dunnage weights are carried in separate MEA segments. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. See the next occurrence of the MEA segment for the weight breakdown for packing materials. Decimals are not used for ocean shipments. [T_2 72/76]	C	R	1/8	2	145	O	1	20	2	L0	L004	81	C	R	1/10
117-05	120	Freight Weight Qualifier ELEMENT CONDITION: Required if L004 is used. See Section 6 for list of data values.	C	ID	2/2	2	145	O	1	20	2	L0	L005	187	C	ID	1/2
117-06	120	Cube Cube of line item. [T_7 77/80]	M	R	1/8	2	145	O	1	20	2	L0	L006	183	C	R	1/8
117-07	120	Cube Qualifier E - Cubic Feet G - Gallons H - Hundreds of Measurement Tons S - Measurement Ton V - Liter X - Cubic Meters	M	ID	1/1	2	145	O	1	20	2	L0	L007	184	C	ID	1/1
117-08	120	Type Pack Quantity Enter the Type Pack Quantity. For ocean shipments, enter number of pieces. [T_0 68/71]	M	N0	1/7	2	145	O	1	20	2	L0	L008	80	C	N0	1/7
117-09	120	Type Pack Qualifier SOURCE: Reference Section 6.0 of this IC for code values using the table that contains the applicable type pack qualifier. Common code values associated with multiple definitions prevents documentation of the entire sub-set. [T_0 28/29] Sample Values: BAG, BAL, BBL, BDL, MSV	M	ID	3/3	2	145	O	1	20	2	L0	L009	211	C	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		
117-10	120	Type Pack Sub Qualifier ELEMENT CONDITION: Use this value to identify specific MSCVAN and SEAVAN configurations. SOURCE: Reference Section 6.0 of this IC for code values using the table that contains the applicable type pack qualifier. Common code values associated with multiple definitions prevents documentation of the entire sub-set. [T_7 54/67] BAG BAL BBL BDL BOX BSK	C	AN	2/2	2	145	O	1	20	2	L0	L010	458	O	AN	2/25
117-11	120	Freight Weight Unit Code ELEMENT CONDITION: Required if L004 is used. E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	C	ID	1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
117-13	120	Over-dimensional Pieces, Quantity Used to indicate the number of oversized pieces. If there are multiple over-dimensional items (all the same size), send as one line item and indicate total quantity here. Required for ocean shipments when there is more than one set of oversized dimensions for the same item.	C	R	1/15	2	145	O	1	20	2	L0	L013	380	C	R	1/15
117-15	120	Oversized Item Indicator ELEMENT CONDITION: Required if L013 is used. Required for ocean shipments when there is more than one set of oversized dimensions for the same item. N - No Y - Yes	C	ID	1/1	2	145	O	1	20	2	L0	L015	1073	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		
118	120	**L1 SEGMENT - Declared Value of Bill of Lading Line Item** SEGMENT CONDITION: Declared value is required for all shipments that will be processed through a foreign host nation's customs and border clearance program.	C			2	150	O	20	20	2	L0	See X12 Standards for explanation of syntax notes. P0203R040506P1415P1718				
118-04	120	Charge Code identifying the type of identification number of Depository Financial Institution (DFI) CHANGE NOTE: Data Element added per DM 1028 00 - Use value '00' to meet X12 syntax requirements.	M	N2	1/8	2	150	O	20	20	2	L0	L104	58	C	N2	1/12
118-14	120	Declared Value Enter the actual value or selling price per TCN (include total bill of lading line item quantity cost).	M	N2	2/12	2	150	O	20	20	2	L0	L114	74	C	N2	2/12
118-15	120	Rate/Value Qualifier CO - Cost per Unit *Use 'CO' to denote Total Cost per TCN.*	M	ID	2/2	2	150	O	20	20	2	L0	L115	122	C	ID	2/2
119	120	**MEA SEGMENT - Packaging Material Weight** SEGMENT CONDITION: Use to provide weight breakout per type pack per commodity per shipment unit.	C			2	160	O	10	20	2	L0	See X12 Standards for explanation of syntax notes. R03050608C0504C0604L07030506E0803				
119-01	120	Packaging Material Qualifier Weight breakout per type pack per commodity per shipment unit is carried in the MEA segment. For each type of packing material weight breakout, use an individual MEA segment. DN - Dunnage Dimension PA - Pallet Dimensions SK - Skid Dimensions	M	ID	2/2	2	160	O	10	20	2	L0	MEA01	737	O	ID	2/2
119-02	120	Packaging Material Weight Qualifier B - Billed Weight	M	ID	1/1	2	160	O	10	20	2	L0	MEA02	738	O	ID	1/3
119-03	120	Packaging Material Weight The weight for any component of the packaging material (e.g. skid, pallet, dunnage weights). Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_9 D-21 13/16]	M	R	1/8	2	160	O	10	20	2	L0	MEA03	739	C	R	1/20

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		
119-04		Unit or Basis for Measurement Code C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter.	M	CE		2	160	O	10	20	2	L0	MEA04	C001	C	CE	
119-04-01		Unit or Basis for Measurement Code By placing code value 'PN' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. PN - Pounds Net	M	ID	2/2	2	160	C	10	20	2	L0	C00101	355	M	ID	2/2
120	120	**MEA SEGMENT - Shipped Dimensions** SEGMENT CONDITION: Required if the shipment is oversize or if air shipment. (GFM needs dimensions to cost air shipment.) All dimensions are required for all 3PL carrier shipments.	C			2	160	O	10	20	2	L0	See X12 Standards for explanation of syntax notes. R03050608C0504C0604L07030506E0803				
120-01	120	Shipped Dimensions Information Qualifier SD - Shipped Dimensions	M	ID	2/2	2	160	O	10	20	2	L0	MEA01	737	O	ID	2/2
120-02	120	Shipped Dimensions Qualifier GFM will calculate oversize dimensions from shipper provided information. HT - Height LN - Length WD - Width	M	ID	2/2	2	160	O	10	20	2	L0	MEA02	738	O	ID	1/3
120-03	120	Shipped Dimensions Units Use for values of oversize dimensions. [T_9 D-21 13/16]	M	N0	1/10	2	160	O	10	20	2	L0	MEA03	739	C	R	1/20
120-04		Unit or Basis for Measurement Code C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter.	M	CE		2	160	O	10	20	2	L0	MEA04	C001	C	CE	
120-04-01		English Measurement Code By placing code value 'FT' or 'IN' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. FT - Foot IN - Inch	M	ID	2/2	2	160	C	10	20	2	L0	C00101	355	M	ID	2/2
121	120	**MEA SEGMENT - Net Explosive Weight (English)** SEGMENT CONDITION: Required for all shipment modes; include if available. English (and metric) units are required to comply with 49 CFR 171.10. For OCONUS shipments, NEW facilitates compliance with 1MDGC.	C			2	160	O	10	20	2	L0	See X12 Standards for explanation of syntax notes. R03050608C0504C0604L07030506E0803				

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	120	Net Explosive Weight Qualifier NX - Net Explosive Weight	M	ID	2/2	2	160	O	10	20	2	L0	MEA01	737	O	ID	2/2
121-03	120	Net Explosive Weight If net explosive weight is available for an individual line item, carry that weight in this data element. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_9 D-21 13/16]	M	R	1/8	2	160	O	10	20	2	L0	MEA03	739	C	R	1/20
121-04		Composite Unit of Measurement Code	M	CE		2	160	O	10	20	2	L0	MEA04	C001	C	CE	
121-04-01		Net Explosive Weight Qualifier (English) Both metric and English units are required to comply with 49 CFR 171.10. By placing these code values (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. Use 'GA' if explosive is wet. Use 'PN' if explosive is dry. GA - Gallon PN - Pounds Net	M	ID	2/2	2	160	C	10	20	2	L0	C00101	355	M	ID	2/2
122	120	**MEA SEGMENT - Net Explosive Quantity (Metric)** SEGMENT CONDITION: Required if available. Metric (and English) units are required to comply with 49 CRF 171.10. For OCONUS shipments, NEW facilitates compliance with 1MDGC.	C			2	160	O	10	20	2	L0	See X12 Standards for explanation of syntax notes. R03050608C0504C0604L07030506E0803				
122-01	120	Net Explosive Quantity Qualifier WT - Weights *Use 'WT' to denote Net Explosive Quantity.*	M	ID	2/2	2	160	O	10	20	2	L0	MEA01	737	O	ID	2/2
122-03	120	Net Explosive Quantity Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_9 D-21 13/16]	M	R	1/8	2	160	O	10	20	2	L0	MEA03	739	C	R	1/20
122-04		Composite Unit of Measurement Code	M	CE		2	160	O	10	20	2	L0	MEA04	C001	C	CE	

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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		
122-04-01		Net Explosive Quantity Qualifier (Metric) By placing these code values (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. Use 'KG' if explosive is dry. Use 'LT' if explosive is wet. KG - Kilogram LT - Liter	M	ID	2/2	2	160	C	10	20	2	L0	C00101	355	M	ID	2/2
123	120	**MEA SEGMENT - Round Count** SEGMENT CONDITION: Required if shipment contains ammunition.	C			2	160	O	10	20	2	L0	See X12 Standards for explanation of syntax notes. R03050608C0504C0604L07030506E0803				
123-01	120	Round Count Qualifier CT - Counts	M	ID	2/2	2	160	O	10	20	2	L0	MEA01	737	O	ID	2/2
123-03	120	Round Count [T_9 D-21 13/16]	M	N0	1/8	2	160	O	10	20	2	L0	MEA03	739	C	R	1/20
123-04		Composite Unit of Measurement Code	M	CE		2	160	O	10	20	2	L0	MEA04	C001	C	CE	
123-04-01		Round Count Qualifier By placing code value 'RO' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. RO - Round	M	ID	2/2	2	160	C	10	20	2	L0	C00101	355	M	ID	2/2
124	120	**L0 SEGMENT - Ammunition Lot Number/Number of Pieces** LOOP CONDITION: Required for ocean shipments if shipment contains ammunition. Report pieces, weight, cube and ammunition lot number. Report also in MEA segment (Round Count).	C			2	145	O	1	20	2	L0	See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315				
124-04	120	Weight [T_7 72/76]	C	R	1/10	2	145	O	1	20	2	L0	L004	81	C	R	1/10
124-05	120	Weight Qualifier A1 - Dimensional Weight FR - Freight Weight	C	ID	2/2	2	145	O	1	20	2	L0	L005	187	C	ID	1/2
124-06	120	Cube ELEMENT CONDITION: Required for ocean shipments. [T_7 68/71]	C	R	1/8	2	145	O	1	20	2	L0	L006	183	C	R	1/8

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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		
124-07	120	Cube Qualifier E - Cubic Feet	C	ID	1/1	2	145	O	1	20	2	L0	L007	184	C	ID	1/1
124-08	120	Number of Pieces ELEMENT CONDITION: Required for ocean shipments. [T_7 77/80]	C	N0	1/7	2	145	O	1	20	2	L0	L008	80	C	N0	1/7
124-09	120	Packaging Form Code (for number of pieces) PCS - Pieces	C	ID	3/3	2	145	O	1	20	2	L0	L009	211	C	ID	3/3
124-10	120	Ammunition Lot Number Use leading zero as necessary to provide a minimum of two characters. [T_7 54/67]	C	AN	2/14	2	145	O	1	20	2	L0	L010	458	O	AN	2/25
125	120	**L0 SEGMENT - Dimensional Weight** LOOP CONDITION: Use when dimensional weight applies. Dimensional Weight is the chargeable weight computed on the basis of volume rather than actual weight. GFM will calculate the Dimensional Weight based on dimensions passed in the MEA segments. Shipper systems do not need to provide the Dimensional Weight.	C			2	145	O	1	20	2	L0	See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315				
125-04	120	Dimensional Weight When applicable, dimensional weight shall be calculated using the following formula: Length x Width x Height divided by 194 equals dimensional weight (all measurements in inches). [T_2 72/76]	M	R	1/10	2	145	O	1	20	2	L0	L004	81	C	R	1/10
125-05	120	Dimensional Weight Qualifier A1 - Dimensional Weight	M	ID	2/2	2	145	O	1	20	2	L0	L005	187	C	ID	1/2

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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		
125-11	120	Weight Unit Code E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	M	ID	1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
126	190	**LH1 SEGMENT - HAZMAT Quantities** LOOP CONDITION: DG 190 required if the shipment contains hazardous material and/or the Defense Transportation Tracking System (DTTS) is required.	C			2	170	O	1	100	2	LH1					
126-01	190	HAZMAT - Unit Of Measure Code Contains the code identifying the Unit of Measure (type of packaging) for which the data in LH102 is reported. Use LH106 to express weight and volume. SOURCE: Reference Section 6.0 of this IC for code values using applicable tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: BA, BD, BG, BX, CH	M	ID	2/2	2	170	O	1	100	2	LH1	LH101	355	M	ID	2/2
126-02	190	HAZMAT - Lading Quantity Contains the number of units (pieces) of the lading commodity that is Hazardous. SOURCE: 49 CFR 172.202(c) [T_9 D-15 54/79]	M	N0	1/7	2	170	O	1	100	2	LH1	LH102	80	M	N0	1/7
126-03	190	HAZMAT - UN/NA ID Code SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications [T_6 74/79]	M	ID	6/6	2	170	O	1	100	2	LH1	LH103	277	O	ID	6/6

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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		
126-06	190	HAZMAT - English Measurement Code Use the unit of measure codes for quantity or volume of non bulk shipments. This will typically be pounds, cubic feet, or a unit of measure other than pieces. If the weight of the hazardous material is measured in other than the above listed Weight Units of Measure, refer to X12 Standard, DE 355. Use LH101 to express type of packaging. ELEMENT CONDITION: Required if LH107 or LFH (Metric Weight) is used. 20 - 20 Foot Container BR - Barrel CW - Hundred Pounds (CWT) D2 - Shares FO - Fluid Ounce GA - Gallon H4 - Hectoliter LB - Pound LG - Long Ton M0 - Magnetic Tapes NS - Short Ton OZ - Ounce - Av PS - Pounds per Sq. Inch PT - Pint Q2 - Pint U.S. Dry QT - Quart	C	ID	2/2	2	170	O	1	100	2	LH1	LH106	355	O	ID	2/2
126-07	190	HAZMAT - Quantity Quantity refers to the amount (i.e., weight in pounds, volume in cubic feet, or other such measurement) of the hazardous material commodity that is to be transported.	C	R	1/15	2	170	O	1	100	2	LH1	LH107	380	O	R	1/15
126-09	190	HAZMAT - Residue Indicator Code Use code value 'R' to indicate that the unit being shipped is empty and contains a residue from a prior movement. In this situation, L504 should use code value 'L' to indicate 'Last Contained Contents'. SOURCE: 40 CFR 172.203(e) R - Residue Last Contained Description (Tank Car)	C	ID	1/1	2	170	O	1	100	2	LH1	LH109	665	O	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		
126-10	190	HAZMAT - Packing Group Code Indicate the required packing group using Roman Numeral I, II, or III to indicate the degree of danger. SOURCE: 49 CFR, Table 172.101	C	ID	1/3	2	170	O	1	100	2	LH1	LH110	254	O	ID	1/3
127	190	**LH2 SEGMENT - HAZMAT Classification** SEGMENT CONDITION: Required for loaded and unloaded HAZMAT shipments.	C			2	180	O	4	100	2	LH1	See X12 Standards for explanation of syntax notes. P0607P0809P1011				
127-01	190	HAZMAT - Hazardous Class/Division Identify the hazard class or division prescribed for the material as shown in column 3 of 49 CFR Table 172.101. If there is no hazard class or division, use the code in that column, such as ORM-D (Other Regulated Material), reference 49 CFR 173.2. If there is a subsidiary hazard but no hazard class or division, use code value 'NA'. A material for which the entry in this column is 'Forbidden' may not be offered for transportation nor be transported. This segment needs to be repeated for each subsidiary hazard. SOURCE: 49 CFR 172.101;49 CFR 173.2 [T_6 71/72]	M	ID	1/30	2	180	O	4	100	2	LH1	LH201	215	O	ID	1/30
127-02	190	HAZMAT - Hazard Class Qualifier Repeat the LH2 segment as necessary to identify the primary and each subsidiary (secondary) hazard of the material being shipped. P - Primary S - Secondary	M	ID	1/1	2	180	O	4	100	2	LH1	LH202	983	O	ID	1/1
127-05	190	HAZMAT - Reportable Quantity For empty packagings or units containing the residue of a hazardous material. ELEMENT CONDITION: Required if necessary to indicate a reportable quantity is present in the shipment. SOURCE: 49 CFR 172.203(e) RQ - Reportable Quantity	C	ID	2/2	2	180	O	4	100	2	LH1	LH205	759	O	ID	2/2
127-06	190	HAZMAT Flashpoint Temperature Code ELEMENT CONDITION: Required if LH207 is used. CE - Centigrade, Celsius *Use 'CE' to denote Centigrade.* FA - Fahrenheit	C	ID	2/2	2	180	O	4	100	2	LH1	LH206	355	C	ID	2/2
127-07	190	HAZMAT Flashpoint Temperature	C	R	1/4	2	180	O	4	100	2	LH1	LH207	408	C	R	1/4

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128	190	**LH3 SEGMENT - HAZMAT Names** SEGMENT CONDITION: Required for empty/unloaded HAZMAT shipments; this segment should contain the last contents shipping name.	C			2	190	O	12	100	2	LH1	See X12 Standards for explanation of syntax notes. P0102				
128-01	190	HAZMAT - Proper Shipping Name MANDATORY for all hazardous material shipments including ammunition and explosives. Create additional LH301 segment(s) for remainder of Proper Shipping Name exceeding 25 characters. SOURCE: 49 CFR 172.101; 49 CFR 172.202 [T_9 D-15 54/79]	M	AN	1/25	2	190	O	12	100	2	LH1	LH301	224	C	AN	1/25
128-02	190	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
128-03	190	HAZMAT - N.O.S. Indicator Code If this field is used, an LFH segment must follow using code value 'TEC' in LFH01. NOS - N.O.S. Regulatory Requirements Apply	C	ID	3/3	2	190	O	12	100	2	LH1	LH303	985	O	ID	3/3
129	190	**LFH SEGMENT - HAZMAT Remarks** SEGMENT CONDITION: Required for HAZMAT shipments requiring specific labeling.	C			2	191	O	20	100	2	LH1	See X12 Standards for explanation of syntax notes. P0506				

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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		
129-01	190	HAZMAT - Additional Basic Description Information Qualifier	M	ID	3/3	2	191	O	20	100	2	LH1	LFH01	808	M	ID	3/3
		Contains the hazardous material shipment information qualifier indicating the type of information being passed. MANDATORY for all explosives unless otherwise noted in 49 CFR 172.320. Use interim EX-number for explosives waiting for final classification.If the X12 code definition accompanying a LFH01 code value contains text in quotations, place the part in quotations in LFH02. If the code definition contains no quotations, see the user note in LFH02 for further guidance. Use code value 'ADI' to denote 'Other information not accounted for in the code list'. Use code value 'TEC' in this data element to indicate that the N.O.S. indicator is specified in LH303. Enter additional information that must appear in association with the shipment's basic description according to 49 CFR. Use additional occurrences of LFH segment as necessary for each code that applies to shipment. SOURCE: 49 CFR ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper DWW - "Dangerous When Wet" Declaration HOT - Identifies Products in a Heated Molten State HZC - Hazardous Substance Constituents LQY - "Limited Quantity" Declaration MOS - Maximum Operating Speed MPI - Marine Pollutant PIH - "Poison - Inhalation Hazard" Declaration POI - Poison Declaration *Use 'POI' to denote "Poison" Declaration.* RAM - Radioactive Material Data TEC - Technical or Chemical Group Name															
129-02	190	HAZMAT - Additional Basic Description Information	M	AN	1/25	2	191	O	20	100	2	LH1	LFH02	809	M	AN	1/25
		Contains specific information about the hazardous material shipment. When applicable, use the descriptive narrative from LFH01. If LFH01 = 'ADI', use this element for any overflow information from LFH01 or 49 CFR except Proper Shipping Name. Use LFH03 for additional overflow. If LFH01 = 'PIH', enter 'Poisonous - Inhalation Hazard, Zone X', where X is the code designated in LFH04. If LFH01 = 'HOT', enter 'HOT' [See 49 CFR 172.203(n)]. If LFH01 = 'RAM', enter the appropriate text in quotes as specified by 49 CFR 172.203(d). If LFH01 = 'LQY', enter 'Ltd Qty' or 'Limited Quantity'. If LFH01 = 'HZC', enter 'Hazardous substance constituents.' If LFH01 = 'MOS', enter 'Maximum operating speed.' If LFH01 = 'MPI', enter 'Marine Pollutant.' For N.O.S. code (LFH01 = 'TEC'), enter the technical or chemical group name in parentheses. Place overflow in LFH03. Do not close parentheses until end of description is reached. [T_9 D-15 54/79]															

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129-03	190	HAZMAT - Additional Information Use for description overflow from LFH02. Use LFH01, 02, and 03 as a set and repeat loop as necessary to convey all additional basic description information.	C	AN	1/25	2	191	O	20	100	2	LH1	LFH03	809	O	AN	1/25
129-04	190	HAZMAT - Hazard Zone Code Contains the code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone. ELEMENT CONDITION: Use applicable Hazard Zone Code when LFH01 = PIH. A - Hazard Zone A B - Hazard Zone B C - Hazard Zone C D - Hazard Zone D	C	ID	1/1	2	191	O	20	100	2	LH1	LFH04	1023	O	ID	1/1
130	190	**LFH SEGMENT - Round Count** SEGMENT CONDITION: Required for TCACCIS moves only.	C			2	191	O	20	100	2	LH1	See X12 Standards for explanation of syntax notes. P0506				
130-01	190	HAZMAT- Information Qualifier Use code value 'ADI' to satisfy X12 syntax requirements. ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper	M	ID	3/3	2	191	O	20	100	2	LH1	LFH01	808	M	ID	3/3
130-02	190	HAZMAT- Round Count Identifier Enter value 'CT' to indicate segment contains HAZMAT Round Count Information. CT	M	AN	2/2	2	191	O	20	100	2	LH1	LFH02	809	M	AN	1/25
130-05	190	HAZMAT- Round Count Qualifier RO - Round	M	ID	2/2	2	191	O	20	100	2	LH1	LFH05	355	C	ID	2/2
130-06	190	HAZMAT- Round Count	M	R	1/15	2	191	O	20	100	2	LH1	LFH06	380	C	R	1/15
131	190	**LFH SEGMENT - HAZMAT Metric Weight** SEGMENT CONDITION: Required if LH107 is used. Use along with LH106 for HAZMAT explosive materials.	C			2	191	O	20	100	2	LH1	See X12 Standards for explanation of syntax notes. P0506				
131-01	190	HAZMAT- Information Qualifier Use code value 'ADI' to satisfy X12 syntax requirements. ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper	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		
131-02	190	HAZMAT- Shipment Information Enter value 'WT' to indicate segment contains HAZMAT Metric Weight Information. WT	M	AN	2/2	2	191	O	20	100	2	LH1	LFH02	809	M	AN	1/25
131-05	190	HAZMAT- Metric Measurement Code See Section 6 for list of data values.	C	ID	2/2	2	191	O	20	100	2	LH1	LFH05	355	C	ID	2/2
131-06	190	HAZMAT- Metric Quantity Use the unit of measure codes for quantity or volume of non bulk shipments. This will typically be grams, cubic meters, or a unit of measure other than pieces. If the weight of the hazardous material is measured in other than the above listed Weight Units of Measure, refer to X12 Standard, DE 355. Use LH101 to express type of packaging. ELEMENT CONDITION: Required if LH107 or LH106 (English Weight) is used.	C	R	1/15	2	191	O	20	100	2	LH1	LFH06	380	C	R	1/15
132	190	**LFH SEGMENT - Net Explosive Weight (English)** SEGMENT CONDITION: Required for TCACCIS moves only.	C			2	191	O	20	100	2	LH1	See X12 Standards for explanation of syntax notes. P0506				

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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		
132-01	190	HAZMAT - Information Qualifier	M	ID	3/3	2	191	O	20	100	2	LH1	LFH01	808	M	ID	3/3
		Use code value 'ADI' to satisfy X12 syntax requirements. ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper CAO - Cargo Airlift Only D13 - "DOT - 113, Do Not Bump or Cut Off Car While in Motion" Declaration DRC - Damaged Car Number DWW - "Dangerous When Wet" Declaration EMS - Emergency Schedule (EMS) Page Number HOT - Identifies Products in a Heated Molten State HZC - Hazardous Substance Constituents INH - Inhalation Hazard LQY - "Limited Quantity" Declaration MFA - Medical First Aid Guide (MFAG) Page Number MOS - Maximum Operating Speed MPI - Marine Pollutant PIH - "Poison - Inhalation Hazard" Declaration POI - Poison Declaration RAM - Radioactive Material Data TEC - Technical or Chemical Group Name TNM - Trade Name WST - Waste Declaration															
132-02	190	HAZMAT - Shipment Information	M	AN	2/2	2	191	O	20	100	2	LH1	LFH02	809	M	AN	1/25
		Enter value 'NX' to indicate segment contains HAZMAT English Weight Information. NX															
132-05	190	HAZMAT - English Net Explosive Weight Code	C	ID	2/2	2	191	O	20	100	2	LH1	LFH05	355	C	ID	2/2
		GA - Gallon KG - Kilogram LT - Liter PN - Pounds Net															

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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		
132-06	190	HAZMAT - English Net Explosive Weight	C	R	1/15	2	191	O	20	100	2	LH1	LFH06	380	C	R	1/15
133	190	**LFH SEGMENT - Net Explosive Weight (Metric)** SEGMENT CONDITION: Required for TCACCIS moves only.	C			2	191	O	20	100	2	LH1	See X12 Standards for explanation of syntax notes. P0506				
133-01	190	HAZMAT - Shipment Information Qualifier Use code value 'ADI' to satisfy X12 syntax requirements. ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper	M	ID	3/3	2	191	O	20	100	2	LH1	LFH01	808	M	ID	3/3
133-02	190	HAZMAT - Shipment Information Enter value 'NW' to indicate segment contains HAZMAT Metric Net Weight Information. NW	M	AN	2/2	2	191	O	20	100	2	LH1	LFH02	809	M	AN	1/25
133-05	190	HAZMAT - Metric Net Explosive Weight Code KG - Kilogram LT - Liter	C	ID	2/2	2	191	O	20	100	2	LH1	LFH05	355	C	ID	2/2
133-06	190	HAZMAT - Metric Net Explosive Weight	C	R	1/15	2	191	O	20	100	2	LH1	LFH06	380	C	R	1/15
134	190	**LHR SEGMENT - DOT Explosive Approval Number (EX-number)** SEGMENT CONDITION: Required for shipment of explosive materials.	C			2	210	O	10	100	2	LH1					
134-01	190	HAZMAT - DOT Explosive Approval Number Qualifier HD - Department of Transportation Hazardous Number	M	ID	2/2	2	210	O	10	100	2	LH1	LHR01	128	M	ID	2/3
134-02	190	HAZMAT - DOT Explosive Approval Number (EX-number) Product codes and national stock numbers must be traceable to the specific EX-number (also referred to as hazard classification approval number) assigned by the Associate Administrator for Hazardous Materials Safety. SOURCE: 49 CFR 172.320 and 173.56(b) [T_6 80/80]	M	AN	1/30	2	210	O	10	100	2	LH1	LHR02	127	M	AN	1/30
135	190	**LHR SEGMENT - Competent Authority Approval Number** SEGMENT CONDITION: Use if competent authority approval is required.	C			2	210	O	10	100	2	LH1					

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		
135-01	190	Competent Authority Approval Number Qualifier HA - Competent Authority	M	ID	2/2	2	210	O	10	100	2	LH1	LHR01	128	M	ID	2/3
135-02	190	Competent Authority Approval Number Issued by Department of Transportation, approval number is CA-YYNNNNA, where Y = year, N = approval number within that year, and A is an optional alphanumeric designator. Only applicable when DoD requires an exception to the international performance oriented packaging rules. [T_6 80/80]	M	AN	1/30	2	210	O	10	100	2	LH1	LHR02	127	M	AN	1/30
136	190	**LHR SEGMENT - DOT Exemption Number** SEGMENT CONDITION: Required when DOT exemption applies.	C			2	210	O	10	100	2	LH1					
136-01	190	DOT Exemption (DOT-E) Number Qualifier HE - Hazardous Exemption Number	M	ID	2/2	2	210	O	10	100	2	LH1	LHR01	128	M	ID	2/3
136-02	190	DOT Exemption (DOT-E) Number Identifies the DOT Exemption to any of the 49 CFR Regulations for hazardous materials. Normally used only for domestic shipments. Can be used for international shipments but is not guaranteed to be accepted by international customs. SOURCE: 49 CFR 172.2(a) [T_6 80/80]	M	AN	1/30	2	210	O	10	100	2	LH1	LHR02	127	M	AN	1/30
137	190	**LHR SEGMENT - Int'l Maritime Dangerous Goods Code** SEGMENT CONDITION: Use this segment if the hazardous shipment requires international regulation.	C			2	210	O	10	100	2	LH1					
137-01	190	HAZMAT - Int'l Maritime Dangerous Goods Code (IMDG) Qualifier IM - Intergovernmental Maritime Organization (IMO) Number	M	ID	2/2	2	210	O	10	100	2	LH1	LHR01	128	M	ID	2/3
137-02	190	HAZMAT - Int'l Maritime Dangerous Goods Code (IMDG) [T_6 80/80]	M	AN	1/30	2	210	O	10	100	2	LH1	LHR02	127	M	AN	1/30
138	190	**LHR SEGMENT - DoDIC** SEGMENT CONDITION: Required for TCACCIS moves only.	C			2	210	O	10	100	2	LH1					

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138-01	190	DoDIC Qualifier Use '1L' for shipments by other than ocean. Use '6P' only for ocean shipments. 1I - Department of Defense Identification Code (DoDIC) 6P - Group Number	M	ID	2/2	2	210	O	10	100	2	LH1	LHR01	128	M	ID	2/3
138-02	190	DoDIC [T_9 D-15 67/70]	M	AN	1/30	2	210	O	10	100	2	LH1	LHR02	127	M	AN	1/30
139	190	**LHR SEGMENT - National Stock Number (NSN)** SEGMENT CONDITION: Required for TCACCIS moves only.	C			2	210	O	10	100	2	LH1					
139-01	190	HAZMAT - NSN Qualifier NS - National Stock Number	M	ID	2/2	2	210	O	10	100	2	LH1	LHR01	128	M	ID	2/3
139-02	190	HAZMAT - NSN [T_6 54/66]	M	AN	1/30	2	210	O	10	100	2	LH1	LHR02	127	M	AN	1/30
140	190	**FA1 SEGMENT - TCN Appropriation Number Loop** LOOP CONDITION: Use for appropriation assignment. Carriers do not need to receive appropriation data. This segment begins the appropriation number loop. It calls for both FA1 and FA2 segments. 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. If there is only one Transportation Accounting Code or Line of Accounting at the header level, then it applies to all shipments in that container. If there is TAC/LOA at the header level, and some of the line items in the container have their own TACs/LOAs and some do not, use the TACs/LOAs at the line item level for those specific shipments and default to the header TAC/LOA for all others. If there is an invalid TAC/LOA on a single line item we will use the header TAC/LOA. If there is only one Transportation Accounting Code or Line of Accounting at the header level, then it applies to all shipments in that container. If there is TAC/LOA at the header level, and some of the line items in the container have their own TACs/LOAs and some do not, use the TACs/LOAs at the line item level for those specific shipments and default to the header TAC/LOA for all others. If there is an invalid TAC/LOA on a single line item we will use the header TAC/LOA.	C			2	230	O	1	>1	2	FA1					

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140-01	190	Agency Qualifier Code 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
141	190	**FA2 SEGMENT - TCN Appropriation Elements** SEGMENT CONDITION: This segment is MANDATORY if and only if the FA1 SEGMENT - TCN Appropriation Number Loop segment is used. Otherwise, this segment may not be used.	C			2	240	M	>1	>1	2	FA1					
141-01	190	Breakdown Structure Detail Code 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
141-02	190	Financial Information Code 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	2	240	M	>1	>1	2	FA1	FA202	1195	M	AN	1/80
142	190	**L10 SEGMENT - TCN Weight** SEGMENT CONDITION: Use when appropriation weight applies.	C			2	250	O	1	>1	2	FA1					
142-01	190	Weight Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_0 72/76]	M	R	1/10	2	250	O	1	>1	2	FA1	L1001	81	M	R	1/10
142-02	190	Weight Qualifier N - Actual Net Weight	M	ID	1/1	2	250	O	1	>1	2	FA1	L1002	187	M	ID	1/2

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142-03	190	Weight Unit Code E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	M	ID	1/1	2	250	O	1	>1	2	FA1	L1003	188	O	ID	1/1
143	190	**NM1 SEGMENT - Personal Property Owner** LOOP CONDITION: Used only for OCEAN CARGO SHIPPING INSTRUCTIONS.	C			2	260	O	1	4	2	NM1	See X12 Standards for explanation of syntax notes. P0809C1110				
143-01	190	Personal Property Owner Qualifier OW - Owner of Property or Unit	M	ID	2/2	2	260	O	1	4	2	NM1	NM101	98	M	ID	2/3
143-02	190	Personal Property Owner Qualifier 1 - Person	M	ID	1/1	2	260	O	1	4	2	NM1	NM102	1065	M	ID	1/1
143-03	190	Personal Property Owner's Last Name [T_8 54/66]	M	AN	1/15	2	260	O	1	4	2	NM1	NM103	1035	O	AN	1/35
143-04	190	Personal Property Owner's First Name/Initial [T_8 67/67]	M	AN	1/15	2	260	O	1	4	2	NM1	NM104	1036	O	AN	1/25
144	73	**N1 SEGMENT - Mark For Addressee Information (MA)** LOOP CONDITION: Use this address loop when en-route consolidation activity or any other organization or system that handles the bill of lading data needs to know the ultimate destination of the shipment. This is needed particularly for OCONUS shipments where the bill of lading moves the freight to a port to change modes to air freight or ocean container.	C			2	290	O	1	4	2	N1	See X12 Standards for explanation of syntax notes. R0203P0304				
144-01	73	Name Qualifier (MA) This qualifier identifies name and address information of the 'Mark For' ultimate consignee. MA - Party for whom Item is Ultimately Intended	M	ID	2/2	2	290	O	1	4	2	N1	N101	98	M	ID	2/3

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144-02	73	Name (MA) [TC1 9/14]	C	AN	1/35	2	290	O	1	4	2	N1	N102	93	C	AN	1/60
144-03	73	DoDAAC/CAGE/MAPAC Qualifier (MA) Do not use CAGE code for ocean shipments. 10 - Department of Defense Activity Address Code (DODAAC) 33 - Commercial and Government Entity (CAGE) A2 - Military Assistance Program Address Code (MAPAC)	M	ID	2/2	2	290	O	1	4	2	N1	N103	66	C	ID	1/2
144-04	73	DoDAAC/CAGE/MAPAC (MA) If DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the destination is required. [T_2 47/52]	M	AN	5/6	2	290	O	1	4	2	N1	N104	67	C	AN	2/80
145	73	**N2 SEGMENT - Mark For Addressee Information (MA)** SEGMENT CONDITION: Use when mark for addressee applies.	C			2	300	O	2	4	2	N1					
145-01	73	Additional Name (MA)	M	AN	1/35	2	300	O	2	4	2	N1	N201	93	M	AN	1/60
146	73	**N3 SEGMENT - Mark For Addressee Information (MA)**	C			2	310	O	2	4	2	N1					
146-01	73	Street (MA)	M	AN	1/35	2	310	O	2	4	2	N1	N301	166	M	AN	1/55
146-02	73	Additional Addressing Information	C	AN	1/35	2	310	O	2	4	2	N1	N302	166	O	AN	1/55
147	73	**N4 SEGMENT - Mark For Addressee Information (MA)** SEGMENT CONDITION: Use when mark for addressee applies.	C			2	320	O	1	4	2	N1					
						See X12 Standards for explanation of syntax notes. C0605											
147-01	73	City (MA)	C	AN	2/19	2	320	O	1	4	2	N1	N401	19	O	AN	2/30
147-02	73	State or Province Code (MA) SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	2	320	O	1	4	2	N1	N402	156	O	ID	2/2
147-03	73	ZIP Code/Postal Code (MA) SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C	ID	3/15	2	320	O	1	4	2	N1	N403	116	O	ID	3/15

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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		
147-04	73	Country Code (MA) ELEMENT CONDITION: If mark for addressee is OCONUS, country code is required. SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute	C	ID	2/3	2	320	O	1	4	2	N1	N404	26	O	ID	2/3
148	200	**HL SEGMENT - Gross Weight Description Loop** LOOP CONDITION: Use when gross weight description applies.	C			2	010	M	1	>1	1	HL					
148-01	200	Detail - Gross Weight Description Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe weights that apply to the entire shipment.	M	N0	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
148-03	200	Hierarchical Level Code This code identifies the Gross Weight Description Loop. PH - Product Characteristic	M	ID	2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
149	200	**L0 SEGMENT - Shipment Gross Weight** LOOP CONDITION: This segment is required if and only if HL SEGMENT - Gross Weight Description Loop is used.	C			2	145	O	1	20	2	L0	See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315				
149-04	200	Shipment Gross Weight The total weight for the shipment. This weight includes the shipment net weight plus the tare weight. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_2 72/76]	M	R	1/10	2	145	O	1	20	2	L0	L004	81	C	R	1/10
149-05	200	Shipment Gross Weight Qualifier G - Gross 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		
149-11	200	Shipment Gross Weight Unit Qualifier E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	M	ID	1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
150	200	**HL SEGMENT - Detail - Tare Weight Description Loop** LOOP CONDITION: Use when tare weight description is required.	C			2	010	M	1	>1	1	HL					
150-01	200	Detail - Tare Weight Description Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe tare weights that apply to the entire shipment.	M	N0	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
150-03	200	Hierarchical Level Code This code identifies the Tare Weight Description Loop. PH - Product Characteristic	M	ID	2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
151	200	**L0 SEGMENT - Shipment Tare Weight** LOOP CONDITION: Required if and only if HL SEGMENT - Detail - Tare Weight Description Loop is used.	C			2	145	O	1	20	2	L0					
						See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315											
151-04	200	Shipment Tare Weight The actual tare weight of the shipment. Tare weight is the weight of the truck or container. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_2 72/76]	M	R	1/8	2	145	O	1	20	2	L0	L004	81	C	R	1/10
151-05	200	Shipment Tare Weight Qualifier T - Tare 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		
151-11	200	Shipment Tare Weight Unit Qualifier E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	M	ID	1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
152	200	**HL SEGMENT - Net Weight Description Loop** The HL Net Weight Description Loop must occur for the shipment net weight. The HL Net Weight Description Loop must occur for the shipment net weight.	M			2	010	M	1	>1	1	HL					
152-01	200	Detail - Net Weight Description Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe net weights that apply to the entire shipment.	M	N0	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
152-03	200	Hierarchical Level Code This code identifies the Net Weight Description Loop. PH - Product Characteristic	M	ID	2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
153	200	**L0 SEGMENT - Shipment Net Weight**	M			2	145	O	1	20	2	L0					
						See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315											
153-04	200	Shipment Net Weight The net weight of the shipment. Net weight = freight weight + skid weight + pallet weight + dunnage weight. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_2 72/76]	M	R	1/8	2	145	O	1	20	2	L0	L004	81	C	R	1/10
153-05	200	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

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		
153-11	200	Shipment Net Weight Unit Qualifier E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	M	ID	1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
154	200	**HL SEGMENT - Net Explosive Weight Description Loop (English)** LOOP CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required and the shipment is an explosive danger.	C			2	010	M	1	>1	1	HL					
154-01	200	Detail - Net Explosive Weight Description Loop (English) Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe English weights that apply to the entire shipment.	M	N0	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
154-03	200	Hierarchical Level Code This code identifies the Net Explosive Weight Description (English) Loop. See Section 6 for list of data values.	M	ID	1/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
155	200	**L0 SEGMENT - Shipment Net Explosive Weight (Dry)** LOOP CONDITION: Required if and only if HL SEGMENT - Net Explosive Weight Description Loop (English) Loop is used. Then, it is required to satisfy X12 syntax whether explosive is dry or wet.	C			2	145	O	1	20	2	L0	See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315				
155-04	200	Shipment Net Explosive Weight (Dry) Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. If explosive is wet, enter value zero (0) to satisfy X12 syntax. ELEMENT CONDITION: Enter net explosive weight if explosive is dry. [T_2 72/76]	C	R	1/8	2	145	O	1	20	2	L0	L004	81	C	R	1/10
155-05	200	Shipment Net Explosive Weight Qualifier This element is required to satisfy X12 syntax whether explosive is dry or wet. CE - Certified Weight of Cargo	M	ID	2/2	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		
155-11	200	Shipment Net Explosive Weight Qualifier (Dry) ELEMENT CONDITION: Use this element only if explosive is dry. E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	C	ID	1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
156	200	**MEA SEGMENT - Shipment Net Explosive Weight (Wet)** SEGMENT CONDITION: Use this segment only if explosive is wet.	C			2	160	O	10	20	2	L0	See X12 Standards for explanation of syntax notes. R03050608C0504C0604L07030506E0803				
156-01	200	Shipment Net Explosive Weight Qualifier (Wet) NX - Net Explosive Weight	M	ID	2/2	2	160	O	10	20	2	L0	MEA01	737	O	ID	2/2
156-03	200	Shipment Net Explosive Weight (Wet) Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_9 D-21 13/16]	M	R	1/8	2	160	O	10	20	2	L0	MEA03	739	C	R	1/20
156-04		Composite Unit of Measure (Wet) C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter.	M	CE		2	160	O	10	20	2	L0	MEA04	C001	C	CE	
156-04-01		Shipment Net Explosive Weight Qualifier (Wet) By placing code value 'GA' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. GA - Gallon	M	ID	2/2	2	160	C	10	20	2	L0	C00101	355	M	ID	2/2
157	200	**HL SEGMENT - Net Explosive Weight Description Loop (Metric)** LOOP CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required and the shipment is an explosive danger.	C			2	010	M	1	>1	1	HL					

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		
157-01	200	Detail - Net Explosive Weight Description Loop (Metric) Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe Net Explosive Weights (Metric) that apply to the entire shipment.	M	N0	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
157-03	200	Hierarchical Level Code This code identifies the Net Explosive Weight Description (Metric) Loop. PH - Product Characteristic	M	ID	2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
158	200	**L0 SEGMENT - Shipment Net Explosive Weight (Dry)**	C			2	145	O	1	20	2	L0					
						See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315											
158-04	200	Shipment Net Explosive Weight (Dry) Use value zero (0) to satisfy X12 syntax. [T_2 72/76]	M	R	1/8	2	145	O	1	20	2	L0	L004	81	C	R	1/10
158-05	200	Shipment Net Explosive Weight Qualifier This element is required to satisfy X12 syntax whether explosive is dry or wet. CE - Certified Weight of Cargo	M	ID	2/2	2	145	O	1	20	2	L0	L005	187	C	ID	1/2
158-11	200	Shipment Net Explosive Weight Qualifier (Dry) ELEMENT CONDITION: Use this element only if explosive is dry. E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	C	ID	1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
159	200	**MEA SEGMENT - Shipment Net Explosive Weight (Wet)** SEGMENT CONDITION: Use this segment only if explosive is wet.	C			2	160	O	10	20	2	L0					
						See X12 Standards for explanation of syntax notes. R03050608C0504C0604L07030506E0803											
159-01	200	Shipment Net Explosive Weight Qualifier (Wet) NX - Net Explosive Weight	M	ID	2/2	2	160	O	10	20	2	L0	MEA01	737	O	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		
159-03	200	Shipment Net Explosive Weight (Wet) Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_9 D-21 13/16]	M	R	1/8	2	160	O	10	20	2	L0	MEA03	739	C	R	1/20
159-04		Composite Unit of Measure C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter.	M	CE		2	160	O	10	20	2	L0	MEA04	C001	C	CE	
159-04-01		Shipment Net Explosive Weight Qualifier (Wet) By placing code value 'LT' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. LT - Liter	M	ID	2/2	2	160	C	10	20	2	L0	C00101	355	M	ID	2/2
160	200	**HL SEGMENT - Dunnage Weight Description Loop** LOOP CONDITION: Required if dunnage weight description Loop is required.	C			2	010	M	1	>1	1	HL					
160-01	200	Detail - Dunnage Weight Description Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe Dunnage Weights that apply to the entire shipment.	M	N0	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
160-03	200	Hierarchical Level Code This code identifies the Dunnage Weight Description Loop. PH - Product Characteristic	M	ID	2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
161	200	**L0 SEGMENT - Shipment Dunnage Weight** LOOP CONDITION: Required if and only if HL SEGMENT - Dunnage Weight Description Loop is used.	C			2	145	O	1	20	2	L0	See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315				
161-04	200	Shipment Dunnage Weight Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_2 72/76]	M	R	1/8	2	145	O	1	20	2	L0	L004	81	C	R	1/10
161-05	200	Shipment Dunnage Weight Qualifier CD - Chargeable Dunnage	M	ID	2/2	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		
161-11	200	Shipment Dunnage Weight Unit Qualifier E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	M	ID	1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
162	200	**HL SEGMENT - Pallet Weight Description Loop** LOOP CONDITION: Required if pallet weight applies.	C			2	010	M	1	>1	1	HL					
162-01	200	Detail - Pallet Weight Description Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe pallet weights that apply to the entire shipment.	M	N0	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
162-03	200	Hierarchical Level Code This code identifies the Pallet Weight Description Loop. PH - Product Characteristic	M	ID	2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
163	200	**L0 SEGMENT - Shipment Pallet Weight** LOOP CONDITION: Required if and only if HL SEGMENT - Pallet Weight Description Loop is used.	C			2	145	O	1	20	2	L0					
						See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315											
163-04	200	Shipment Pallet Weight Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_2 72/76]	M	R	1/8	2	145	O	1	20	2	L0	L004	81	C	R	1/10
163-05	200	Shipment Pallet Weight Qualifier PA - Pallet Weight	M	ID	2/2	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		
163-11	200	Shipment Pallet Weight Unit Qualifier E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	M	ID	1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
164	200	**HL SEGMENT - Skid Weight Description Loop** LOOP CONDITION: Required if skid weight is required.	C			2	010	M	1	>1	1	HL					
164-01	200	Detail - Skid Weight Description Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe skid weights that apply to the entire shipment.	M	N0	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
164-03	200	Hierarchical Level Code This code identifies the Skid Weight Description Loop. PH - Product Characteristic	M	ID	2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
165	200	**L0 SEGMENT - Shipment Skid Weight** LOOP CONDITION: Required if and only if HL SEGMENT - Skid Weight Description Loop is used.	C			2	145	O	1	20	2	L0					
						See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315											
165-04	200	Shipment Skid Weight Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_2 72/76]	M	R	1/8	2	145	O	1	20	2	L0	L004	81	C	R	1/10
165-05	200	Shipment Skid Weight Qualifier SK - Skid Weight	M	ID	2/2	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		
165-11	200	Shipment Skid Weight Unit Qualifier E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	M	ID	1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
166	200	**HL SEGMENT - Freight Weight Description Loop**	M			2	010	M	1	>1	1	HL					
166-01	200	Detail - Freight Weight Description Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe freight weights that apply to the entire shipment.	M	N0	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
166-03	200	Hierarchical Level Code This code identifies the Freight Weight Description Loop. PH - Product Characteristic	M	ID	2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
167	200	**L0 SEGMENT - Shipment Freight Weight**	M			2	145	O	1	20	2	L0					
						See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315											
167-04	200	Shipment Freight Weight Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. The freight weight for all commodities should be accumulated and carried in the data element. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_2 72/76]	C	R	1/8	2	145	O	1	20	2	L0	L004	81	C	R	1/10
167-05	200	Shipment Freight Weight Qualifier FR - Freight Weight	C	ID	2/2	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		
167-11	200	Shipment Freight Weight Unit Qualifier E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	M	ID	1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
168	300	**HL SEGMENT - Accessorial/Protective Services Loop** LOOP CONDITION: Required if the shipment calls for accessorial or protective service. One HL Accessorial/Protective Services Loop must occur for each service ordered.	C			2	010	M	1	>1	1	HL					
168-01	300	Detail - Accessorial/Protective Services Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the Accessorial/Protective Services Loop. See Section 5.0 (DTEB Freight Bill of Lading Shipment Information Implementation Convention) for looping logic and examples.	M	N0	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
168-03	300	Hierarchical Level Code This code identifies the Accessorial/Protective Services Loop. SS - Services	M	ID	2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
169	300	**N7 SEGMENT - Primary Equipment Identifier** SEGMENT CONDITION: Required if the shipment moves on multiple pieces of equipment and the accessorial/protective service applies to a particular piece of equipment. Do not use this segment if the accessorial/protective service applies to the whole shipment.	C			2	020	O	1	>1	1	HL	See X12 Standards for explanation of syntax notes. P0304P0516P0809				
169-01	300	Equipment Initial This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes initials of the furnished primary equipment in/on which the commodity is conveyed. ELEMENT CONDITION: If the value in N702 is other than 'NONE', or the equipment initials are not available, use the SCAC. SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association [T_2 9/12]	C	AN	1/4	2	020	O	1	>1	1	HL	N701	206	O	AN	1/4

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		
169-02	300	Equipment Number This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes numbers on the furnished primary equipment in/on which the commodity is conveyed. [T_4 9/14]	M	AN	1/10	2	020	O	1	>1	1	HL	N702	207	M	AN	1/10
170	300	**N9 SEGMENT - Service Performed** SEGMENT CONDITION: Required for accessorial/protective services.	C			2	100	O	10	>1	1	HL	See X12 Standards for explanation of syntax notes. R0203C0605				
170-01	300	Service Performed Identifier 1P - Accessorial Status Code	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
170-02	300	Service Performed Date Qualifier Use the following value to denote the DoD definition as indicated: DP - Date Service was Performed [T_9 D-13 78/79]	C	AN	2/2	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
170-04	300	Service Performed Date The date the service was performed.	C	DT	8/8	2	100	O	10	>1	1	HL	N904	373	O	DT	8/8
171	300	**N9 SEGMENT - Stop Sequence Number** SEGMENT CONDITION: Required if stop-offs occur.	C			2	100	O	10	>1	1	HL	See X12 Standards for explanation of syntax notes. R0203C0605				
171-01	300	Stop Sequence Number Qualifier QN - Stop Sequence Number	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
171-02	300	Stop Sequence Number If stops apply to a shipment, a service code is identified with a stop by carrying the sequence number of the stop address in this data element. That sequence number appears in the S5 segment in the header area of the transaction set.	M	N0	1/2	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
172	300	**L0 SEGMENT - Service Units** LOOP CONDITION: Required if and only if HL SEGMENT - Accessorial/Protective Services Loop is used.	C			2	145	O	1	20	2	L0	See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315				
172-01	300	Service Loop Identifier Use value '300' to indicate service loop.	M	N0	3/3	2	145	O	1	20	2	L0	L001	213	O	N0	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		
172-02	300	Service Units The number of units (i.e. hours, 100 weight, etc.) for a specific additional service performed by the carrier. If this number is fractional, carry the decimal; if an integer, a decimal is not required. If service units do not apply, leave L002 and L003 blank.	C	R	1/11	2	145	O	1	20	2	L0	L002	220	C	R	1/11
172-03	300	Service Units Qualifier ELEMENT CONDITION: Required if L002 is used. SOURCE: Reference Section 6.0 of this IC for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments,Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set.	C	ID	2/2	2	145	O	1	20	2	L0	L003	221	C	ID	2/2
173	300	**L1 SEGMENT - Service Rate** SEGMENT CONDITION: Required if and only if L0 SEGMENT - Service Units is used.	C			2	150	O	20	20	2	L0	See X12 Standards for explanation of syntax notes. P0203R040506P1415P1718				
173-02	300	Service Rate	C	R	1/7	2	150	O	20	20	2	L0	L102	60	C	R	1/9
173-03	300	Service Rate Qualifier ELEMENT CONDITION: Required if L102 is used. SOURCE: Reference Section 6.0 of this IC for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments, Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: FC, NM, P1, PM, XP	C	ID	2/2	2	150	O	20	20	2	L0	L103	122	C	ID	2/2
173-04	300	Service Charge The charge for an accessorial or protective service. If the shipper does not know the charge, enter '00' in this data element. A two-position decimal is implied in this data.	M	N2	1/8	2	150	O	20	20	2	L0	L104	58	C	N2	1/12
173-08	300	Service Identifier Code Code values apply both to services requested and received. See Section 6.0 for valid code list. SOURCE: Reference Section 6.0 of this IC, beginning on page 6.14, for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments,Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: 045, 495, 500, AAM, AAS	M	ID	3/3	2	150	O	20	20	2	L0	L108	150	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		
173-12	300	Service Description Some accessorial services such as empty movements and stops (including stop-offs, inside pickup and delivery, and objective service supply deliveries) require a Standard Point Location Code (SPLC) to describe where the service was performed. This information is required to determine the charge for the service. SOURCE: Reference Section 6.0 of this IC for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments,Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: LTL, TL	C	AN	2/25	2	150	O	20	20	2	L0	L112	276	O	AN	2/25
174	300	**HL SEGMENT - Level of Service Loop** LOOP CONDITION: Use for air freight shipments.	C			2	010	M	1	>1	1	HL					
174-01	300	Hierarchical ID Number	M	AN	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
174-03	300	Hierarchical Level Code SS - Services	M	ID	2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
175	300	**SL1 SEGMENT - Level of Service** SEGMENT CONDITION: Required for air freight shipments.	C			2	095	O	1	>1	1	HL	See X12 Standards for explanation of syntax notes. R0304				
175-01	300	Service Level Code D1 - Delivery Scheduled Next Day by Cartage Agent *Use 'D1' to denote Overnight.* D2 - Delivery scheduled second day by cartage agent *Use 'D2' to denote Second Day.* D3 - Delivery scheduled third day by cartage agent *Use 'D3' to denote Deferred.* SG - Standard Ground *Use 'SG' to denote Priority.*	M	ID	2/2	2	095	O	1	>1	1	HL	SL101	284	M	ID	2/2
175-03	300	Required Element Enter value zero (0) to satisfy X12 syntax.	M	AN	1/1	2	095	O	1	>1	1	HL	SL103	22	C	AN	1/30
176	300	**L0 SEGMENT - Type of Service** LOOP CONDITION: Required for air freight shipments.	C			2	145	O	1	20	2	L0	See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315				

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		
176-12	300	Type of Service Code AA - [Migration Code] Airport to Airport DD - Door to Door DR - Door to Ramp	M	ID	2/2	2	145	O	1	20	2	L0	L012	56	O	ID	2/2
177	300	**L1 SEGMENT - Air Code** SEGMENT CONDITION: Required for air freight shipments.	C			2	150	O	20	20	2	L0	See X12 Standards for explanation of syntax notes. P0203R040506P1415P1718				
177-04	300	Air Charge Use value '000'.	M	N2	3/3	2	150	O	20	20	2	L0	L104	58	C	N2	1/12
177-08	300	Air Code AIR - Air Freight	M	ID	3/3	2	150	O	20	20	2	L0	L108	150	O	ID	3/3
178	301	**HL SEGMENT - Fuel Surcharge Loop** LOOP CONDITION: Required only when Mode is Air (BX02 code values 'AF'. 'AH', 'FA') or Motor, as long as fuel surcharge policy is in effect.	C			2	010	M	1	>1	1	HL					
178-01	301	Detail - Fuel Surcharge Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe a fuel surcharge.	M	N0	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
178-03	301	Hierarchical Level Code This code identifies the Fuel Surcharge Loop. 2 - Billing Arrangement	M	ID	1/1	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
179	301	**L0 SEGMENT - Fuel Surcharge Loop Identifier** LOOP CONDITION: Required if and only if HL SEGMENT - Fuel Surcharge Loop is used.	C			2	145	O	1	20	2	L0	See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315				
179-01	301	Fuel Surcharge Loop Identifier Use value '301' to indicate fuel surcharge loop.	M	N0	3/3	2	145	O	1	20	2	L0	L001	213	O	N0	1/3
180	301	**L1 SEGMENT - Fuel Surcharge** SEGMENT CONDITION: Required if and only if L0 SEGMENT - Fuel Surcharge Loop Identifier is used.	C			2	150	O	20	20	2	L0	See X12 Standards for explanation of syntax notes. P0203R040506P1415P1718				
180-02	301	Fuel Surcharge Rate	C	R	1/7	2	150	O	20	20	2	L0	L102	60	C	R	1/9

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		
180-03	301	Fuel Surcharge Rate Qualifier PW - Percentage of Charges	C	ID	2/2	2	150	O	20	20	2	L0	L103	122	C	ID	2/2
180-04	301	Fuel Surcharge The charge allowed for fuel surcharge.	M	N2	1/8	2	150	O	20	20	2	L0	L104	58	C	N2	1/12
180-08	301	Fuel Surcharge Service Identifier 405 - Fuel Surcharge *Use '405' to denote Fuel Surcharge for Air and Fuel Adjustment for non-Air.*	M	ID	3/3	2	150	O	20	20	2	L0	L108	150	O	ID	3/3
181	400	**HL SEGMENT - Commodity Classification Summary Loop** LOOP CONDITION: Required except for ocean and SPOT BID shipments.	C			2	010	M	1	>1	1	HL					
181-01	400	Detail - Commodity Classification Summary Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins a loop used to describe each different type of commodity being moved under the bill. Description of each individual commodity type requires an HL Segment.	M	N0	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
181-03	400	Hierarchical Level Code This code identifies the Commodity Classification Summary Loop. D - Product Description	M	ID	1/1	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
182	400	**L7 SEGMENT - Tariff/Tender Rate Authority** SEGMENT CONDITION: Used for SPOT BID shipments as well as ocean shipments.	C			2	090	O	10	>1	1	HL					
182-02	400	Tariff/Tender Rate Authority (SCAC) The Standard Carrier Alpha Code that prefixes the tender number. SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC - STAC), NMF 101 Series available from National Motor Freight Traffic Association, Inc.	M	ID	2/4	2	090	O	10	>1	1	HL	L702	168	O	ID	1/4
182-03	400	Tariff/Tender Number	M	N0	6/6	2	090	O	10	>1	1	HL	L703	171	O	AN	1/7
182-08	400	Tariff/Tender Supplement Identifier Enter two-digit number, using leading zero as required.	C	N0	2/2	2	090	O	10	>1	1	HL	L708	173	O	AN	1/4
182-10	400	Tariff/Tender Effective Date Include for Tailored Transportation Contract (TTC) Traffic shipments.	C	DT	8/8	2	090	O	10	>1	1	HL	L710	373	O	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		
183	400	**L5 SEGMENT - Commodity Description** SEGMENT CONDITION: Required if and only if HL SEGMENT - Commodity Classification Summary Loop is used.	C			2	130	O	10	>1	1	HL	See X12 Standards for explanation of syntax notes. P0304C0706P0809				
183-02	400	Commodity Description [T_8 11/14]	C	AN	1/50	2	130	O	10	>1	1	HL	L502	79	O	AN	1/50
183-03	400	Commodity Code If the shipment goes FAK, enter the DoD unique FAK code instead of the NMFC/UFC. [T_0 18/18]	M	AN	6/8	2	130	O	10	>1	1	HL	L503	22	C	AN	1/30
183-04	400	Commodity Code Qualifier D - Department of Defense Unique Codes L - Last Contained Contents STCC N - National Motor Freight Classification (NMFC) T - Standard Transportation Commodity Code (STCC) U - Uniform Freight Classification (UFC)	M	ID	1/1	2	130	O	10	>1	1	HL	L504	23	C	ID	1/1
184	400	**L0 SEGMENT - Commodity Billed/Rated Quantity** LOOP CONDITION: Required if and only if HL SEGMENT - Commodity Classification Summary Loop is used.	C			2	145	O	1	20	2	L0	See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315				
184-02	400	Commodity Billed/Rated Quantity All quantities that appear in HL Line Item Description Loops must be accumulated by commodity and carried here within the HL Detail - Commodity Classification Summary Loop. A commodity is a single type of product or material. Transportation of a commodity is usually billed/rated by units of freight weight. A line item on a transportation bill describes a single commodity. The quantity of a line item commodity is described in the HL Detail - Line Item Description loop. There may be many line items (i.e., HL Detail - Line Item Description loops) of the same commodity. As with line item quantities, to describe accumulated quantities, two rules must be followed when constructing an L0 segment: 1) If the accumulated billed/rated quantity is expressed as freight weight, it appears here. Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. Entry should not contain a decimal; decimal is assumed at right-most point of the field. The L004, L005, and L011 elements are not used. 2) If the accumulated billed/rated quantity is other than weight, such as barrels in the case of a pipeline shipment, it also appears here. In addition, the L004, L005, and L011 elements are used to carry the accumulated weight information, if required.	M	R	1/8	2	145	O	1	20	2	L0	L002	220	C	R	1/11
184-03	400	Commodity Billed/Rated Quantity Qualifier BA - Barrels GL - Gallon LB - Pound	M	ID	2/2	2	145	O	1	20	2	L0	L003	221	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		
184-04	400	Weight If the commodity freight weight has not been expressed as commodity billed/rated quantity in L002, then it can be expressed here. If the commodity is bulk fuel or another commodity that requires weight in addition to units shipped, carry the commodity's freight weight here and carry the units shipped in L002 and L003. Otherwise, carry all commodity weights in the L002 and L003. Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	C	R	1/8	2	145	O	1	20	2	L0	L004	81	C	R	1/10
184-05	400	Weight Qualifier ELEMENT CONDITION: Required if L004 is used. FR - Freight Weight	C	ID	2/2	2	145	O	1	20	2	L0	L005	187	C	ID	1/2
184-11	400	Weight Unit Qualifier ELEMENT CONDITION: Required if L004 is used. E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	C	ID	1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
185	400	**L1 SEGMENT - Freight Rate** SEGMENT CONDITION: Required if and only if L0 SEGMENT - Commodity Billed/Rated Quantity is used.	C			2	150	O	20	20	2	L0	See X12 Standards for explanation of syntax notes. P0203R040506P1415P1718				
185-02	400	Freight Rate Enter freight rate applied to the shipment of the commodity. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	C	R	1/9	2	150	O	20	20	2	L0	L102	60	C	R	1/9
185-03	400	Freight Rate Qualifier ELEMENT CONDITION: Required if L102 is used. SOURCE: Reference Section 6.0 of this IC for code values using applicable Freight Rate Qualifier table. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: AV, CW, DH, DR, DS	C	ID	2/2	2	150	O	20	20	2	L0	L103	122	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		
185-04	400	Freight Charge The total line haul charge for the specific commodity described in L503.	M	N2	1/10	2	150	O	20	20	2	L0	L104	58	C	N2	1/12
185-09	400	Type of Rate Qualifier Qualifies the authority (tender/tariff) number identified in the HL Detail - Line Item Description loop, L7 segment. A - Alternate Rating C - Specific Commodity Rate I - Class Not Identifiable L - Class Rate QUO - Quoted Rate Y - Exception Rating	M	ID	1/3	2	150	O	20	20	2	L0	L109	121	O	ID	1/3
185-14	400	Declared Value ELEMENT CONDITION: Required for proper application of rates for certain commodities.	C	N2	2/10	2	150	O	20	20	2	L0	L114	74	C	N2	2/12
185-15	400	Declared Value Rate Qualifier ELEMENT CONDITION: Required if L114 is used. LA - Per Pound Per Article LB - Per Pound LV - Per Pound Per Vehicle PV - Per Vehicle	C	ID	2/2	2	150	O	20	20	2	L0	L115	122	C	ID	2/2
186	400	**LH1 SEGMENT - HAZMAT Quantities** LOOP CONDITION: Use this segment if the commodity is hazardous material.	C			2	170	O	1	100	2	LH1					
186-01	400	HAZMAT - Unit Of Measure Code Use 'ZZ' in this data element and zero (0) in LH102 to indicate commodity requires a HAZMAT indicator. ZZ - Mutually Defined	M	ID	2/2	2	170	O	1	100	2	LH1	LH101	355	M	ID	2/2
186-02	400	HAZMAT - Lading Quantity Use the value zero (0). [T_9 D-15 54/79]	M	N0	1/1	2	170	O	1	100	2	LH1	LH102	80	M	N0	1/7

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	500	**HL SEGMENT - ITO Quality Management Info Loop Qualifier** LOOP CONDITION: Use if the shipper needs to report quality control information, DG 500 must appear.	C			2	010	M	1	>1	1	HL					
187-01	500	Detail - ITO Quality Management Info Loop Qualifier Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to carry ITO Quality Management Information.	M	N0	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
187-03	500	Hierarchical Level Code This code identifies the ITO Quality Management Information Loop. AD - Administrative Information	M	ID	2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
188	500	**N9 SEGMENT - Reason (Not Lowest Cost)** SEGMENT CONDITION: Required only if HL SEGMENT - ITO Quality Management Info Loop Qualifier is used.	C			2	100	O	10	>1	1	HL					
						See X12 Standards for explanation of syntax notes. R0203C0605											
188-01	500	Reason (Not Lowest Cost) Qualifier This qualifier must appear if not lowest cost is used. 25 - Reason Not Lowest Cost Code	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
188-02	500	Reason (Not Lowest Cost) Reference Section 6.0 of this IC for code values using applicable Reason (Not Lowest Cost) table. Common code values associated with multiple definitions prevents documentation of the entire sub-set. [T_9 D-13 78/79] Sample Values: 1, 10, 11, 12	M	AN	1/30	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
189	500	**L0 SEGMENT - Quality Control** LOOP CONDITION: This segment is required only if HL SEGMENT - ITO Quality Management Info Loop Qualifier is used.	C			2	145	O	1	20	2	L0					
						See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315											
189-01	500	Item Qualifier Use value '500' to satisfy X12 syntax for the Not Lowest Cost Charge Difference Loop.	M	N0	3/3	2	145	O	1	20	2	L0	L001	213	O	N0	1/3
190	500	**L1 SEGMENT - Not Lowest Cost Charge Difference** SEGMENT CONDITION: Required if and only if L0 SEGMENT - Quality Control is used.	C			2	150	O	20	20	2	L0					
						See X12 Standards for explanation of syntax notes. P0203R040506P1415P1718											
190-04	500	Not Lowest Cost Charge Difference Use value zero (0) if no charge difference is available.	M	N2	1/8	2	150	O	20	20	2	L0	L104	58	C	N2	1/12

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	990	**L3 SEGMENT - Bill of Lading Totals**	M			3	010	O	1								
						See X12 Standards for explanation of syntax notes. P0102P0304P0910C1201P1415											
191-05	990	Total Charge for Shipment Estimated or calculated charge for entire shipment.	M	N2	1/12	3	010	O	1				L305	58	O	N2	1/12
191-09	990	Total Cube of Shipment [T_0 77/80]	C	R	1/8	3	010	O	1				L309	183	C	R	1/8
191-10	990	Total Cube of Shipment Qualifier ELEMENT CONDITION: This qualifier must appear if total cube of shipment (L309) is used. E - Cubic Feet F - 100 Board Feet G - Gallons H - Hundreds of Measurement Tons S - Measurement Ton V - Liter X - Cubic Meters	C	ID	1/1	3	010	O	1				L310	184	C	ID	1/1
191-11	990	Number of Carloads/Truckloads Used The total number of pieces of equipment used for the shipment. This quantity may be used to rate the cost of a shipment.	C	N0	1/3	3	010	O	1				L311	80	O	N0	1/7
192	10	**SE SEGMENT - Bill of Lading Trailer**	M			3	020	M	1								
192-01	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
192-02	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	4/9	3	020	M	1				SE02	329	M	AN	4/9

Section 5.0

IC ELEMENTS IN EDI FORMAT

This appendix contains examples of the bill of lading in the ASC X12 Transaction Set 858 format. The examples include:

Example 1 - Rail Shipment of Shipper Owned Containers on a Railcar

Example 2.1 - Accessorial Escort Service from ITO to MSDDC

Example 2.2 - Accessorial Service from ITO to MSDDC when billable units are not required

Example 3 – Bill of Lading Correction Indicator String

How to Read the Examples

Each example approximates a complete X12 transaction. Each example begins with a transaction header segment (ST) and ends with a transaction trailer segment (SE) and represents a complete transaction unless otherwise noted. Data element separators are delimited with a tilde (“~”). Sub-element separators are delimited with a colon (“:”). The new line (“n/l”) character delimits end of segment. Notes in **bold text** explain key segments in the transaction.

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EXAMPLE 1 - Rail Shipment of Shipper Owned Containers on a Railcar

TABLE A - HEADER AREA

ST~858~431240001 n/l	**Transaction set header**
BX~00~R~CC~C1421643~CSXT~~G~~F n/l	**Bill of lading number (BX07 identifies a TTC Traffic bill)**
BNX~S~~V n/l	
N9~FI~SI n/l	**Transaction content**
N9~RG~1SXX09995N n/l	**Route order number**
N9~CN~{carrier freight bill no.}~~{date} n/l	
N9~CT~{contract number}~~{date} n/l	
Y7~{transportation priority code} n/l	
G62~76~19880523 n/l	**Date bill was prepared**
G62~68~19880525 n/l	**Pickup date**
PER~IC~~TE~3013207272 n/l	**Shipment contact telephone no.**
PER~EF~~TE~7037560000 n/l	**Emergency contact telephone no.**
F9~~Jacksonville~NC~~~~~{splc} n/l	**Originating rail station**
D9~~Charleston~SC~~~~~{splc} n/l	**Destination rail station**
R2~CSXT~1~Jacksonville n/l	
H3~~ECS n/l	**Accessorial service request**
N7~TTWX~993476~1490~N~~~~~~~~~~~08904 ~~~~~~~KF2x n/l	**1st railcar**
N5~08904~1490~~KF2x n/l	**Equipment ordered**
N1~CA~CSXT n/l	**Carrier**
N1~ST~Marine Corps Maint. Cmd~10~M92502 n/l	**Destination**
N3~5880 Gateco Blvd, Blount Isle n/l	
N4~Jacksonville~FL~32218~~SL~491200000 n/l	
N1~SF~Traffic Management Office~10~DoDAAC n/l	**Origin**
N3~Naval Weapons Station n/l	
N4~Charleston~SC~294087000~~SL~447178000 n/l	
N1~CN~Marine Corps Maint. Cmd n/l	**Consignee**
N3~5880 Gateco Blvd, Blount Isle n/l	
N4~Jacksonville~FL~32218~BL~ICOI n/l	
N1~SH~Traffic Management Office~10~N00612 n/l	**Shipper**
N3~Naval Weapons Station n/l	
N4~Charleston~SC~294087000 n/l	

N1~PO~Commanding General n/l **Bill charges to**
N3~Marine Corps Logistics Base n/l
N4~Albany~GA~317045000 n/l
N1~IU~Traffic Management Office n/l **Issuing office**
N3~Naval Weapons Station n/l
N4~Charleston~SC~294087000 n/l
PER~IO~D.L. Allen n/l
FA1~DF n/l **Accounting Information**
FA2~{Breakdown Structure Detail Code}~{Financial Information Code}
L10~{Appropriation Weight}~N~L n/l

TABLE B - DETAIL AREA

HL~1~~I n/l	**100 Detail - Line Item Description Loop, LINE ITEM 1**
N7~TTWX~993476 n/l	**Cross reference to primary equipment**
NA~~~DODV~0331011 n/l	**Shipper-owned equipment**
M7~0286446 n/l	
N9~TG~00001410011352092 n/l	**TCN**
N9~M6~2 n/l	
L5~~~{UFC no.}~D n/l	**Line description**
LH6~M. B. MEIERDIERKS~2~	
THIS IS TO CERTIFY THAT THE HEREIN NAMED n/l	**Additional Hazmat Info**
LH6~M. B. MEIERDIERKS~2~	
MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED n/l	
LH6~M. B. MEIERDIERKS~2~	
MARKED, AND LABELED AND ARE IN PROPER CONDITION n/l	
LH6~M. B. MEIERDIERKS~2~	
FOR TRANSPORTATION ACCORDING TO THE APPLICABLE n/l	
LH6~M. B. MEIERDIERKS~2~	
REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION n/l	
L0~~1800~LB~~~104.7~E~18~BOX n/l	**Weights and quantity**
MEA~NX~~206.46~PN n/l	**Net explosive weight**
MEA~NX~~93.85~KG n/l	
LH1~BX~18~UN0181~~~LB~1800~~R~II n/l	**Hazmat information**
LH2~1.1E~P n/l	
LH3~Rockets with Bursting Charge n/l	
FA1~DF n/l	**Accounting Information**
FA2~{Breakdown Structure Detail Code}~{Financial Information Code}	

HL~2~~I n/l	**100 Detail - Line Item Description Loop, LINE ITEM 2**
N7~TTWX~993476 n/l	**Cross reference to primary equipment**
NA~~~DODV~0331011 n/l	**Shipper-owned equipment**
M7~0286446 n/l	
N9~TG~00001425010249982 n/l	
N9~M6~2 n/l	
N9~1I~{DoDIC} n/l	**DoDIC**
L5~~~{UFC no.}~D n/l	
L0~~2514.7~LB~~~223.6~E~24~BOX n/l	

MEA~NX~~20.64~PN n/l
MEA~NX~~9.38~KG n/l
LH1~ BX~18~UN0181~~~LB~1800~~R~II n/l
LH2~1.1E~P n/l
LH3~Rockets with Bursting Charge~D n/l
FA1~DF n/l **Accounting Information**
FA2~{Breakdown Structure Detail Code}~{Financial Information Code}

HL~3~~I n/l **100 Detail - Line Item Description Loop, LINE ITEM 3**
N7~TTWX~993476 n/l **Cross reference to primary equipment**
NA~~~DODV~0331011 n/l **Shipper-owned equipment**
M7~0286446 n/l
N9~TG~00001427012271722 n/l
N9~M6~2 n/l
N9~1I~{DoDIC} n/l
L5~~~{UFC no.}~D n/l
L0~~2016~LB~~~197.0~E~28~BOX n/l
MEA~NX~~168.00~PN n/l
MEA~NX~~76.36~KG n/l
LH1~BX~18~UN0181~~~LB~1800~~R~II n/l
LH2~1.1E~P n/l
LH3~Rockets with Bursting Charge~D n/l
FA1~DF n/l **Accounting Information**
FA2~{Breakdown Structure Detail Code}~{Financial Information Code}

HL~4~~I n/l **100 Detail - Line Item Description Loop, LINE ITEM 4**
N7~TTWX~993476 n/l **Cross reference to primary equipment**
NA~~~DODV~0350602 n/l **Shipper-owned equipment**
M7~0286491 n/l
N9~TG~00001325010150359 n/l
N9~M6~4 n/l
N9~1I~{DoDIC} n/l **DoDIC**
L5~~~{UFC no.}~D n/l
L0~~19800~LB~~~720.4~E~24~BOX n/l
MEA~NX~~2400.00~PN n/l
MEA~NX~~1090.9~KG n/l

LH1~BX~18~UN0181~~~LB~1800~~R~II n/l
LH2~1.1D~P n/l
LH3~Rockets with Bursting Charge~D n/l
FA1~DF n/l **Accounting Information**
FA2~{Breakdown Structure Detail Code}~{Financial Information Code}

HL~5~~I n/l **100 Detail - Line Item Description Loop, LINE ITEM 5**
N7~TTWX~993476 n/l **Cross reference to primary equipment**
NA~~~DODV~0331011 n/l **Shipper-owned equipment**
M7~0286491 n/l
N9~TG~00001410000238115 n/l
N9~1I~ML05 n/l **DoDIC**
L5~~~{UFC no.}~D n/l
L0~~5200~LB~~~0.0~E~1~CNT n/l
MEA~SK~B~200.5~PN n/l **Weight of the skid used for this type pack**
MEA~DN~B~20.5~PN n/l **Weight of the dunnage for this type pack**
FA1~DF n/l **Accounting Information**
FA2~{Breakdown Structure Detail Code}~{Financial Information Code}

HL~6~~PH n/l **200 Detail - Weights Description Loop**
L0~~~~31551.70~N~~~~~~L n/l **Original shipment net weight**
FA1~DF n/l **Accounting Information**
FA2~{Breakdown Structure Detail Code}~{Financial Information Code}

HL~7~~PH n/l
L0~~~~2795.10~CE~~~~~~L n/l **Original shipment net explosive weight**
FA1~DF n/l **Accounting Information**
FA2~{Breakdown Structure Detail Code}~{Financial Information Code}

HL~8~~PH n/l **Original shipment skid weight**
L0~~~~200.5~SK n/l
FA1~DF n/l **Accounting Information**
FA2~{Breakdown Structure Detail Code}~{Financial Information Code}

HL~9~~PH n/l **Original shipment dunnage weight**

L0~~~~20.5~CD n/l	
FA1~DF n/l	**Accounting Information**
FA2~{Breakdown Structure Detail Code}~{Financial Information Code}	
HL~10~~PH n/l	**Original shipment freight weight**
L0~~~~31330.7~FR n/l	
FA1~DF n/l	**Accounting Information**
FA2~{Breakdown Structure Detail Code}~{Financial Information Code}	
HL~11~~SS n/l	**Accessorial Loop**
N9~1P~~19880525 n/l	**Date service performed**
L0~300~50~NC n/l	**Rate qualifier/minimum per shipment**
L1~~50.00~FC~5000~~~~HHB n/l	**Charge and type of service**
FA1~DF n/l	**Accounting Information**
FA2~{Breakdown Structure Detail Code}~{Financial Information Code}	
HL~12~~D n/l	**Commodity summary loop**
L7~~CSXT~600583 n/l	**Effective tender for this commodity**
L5~~~{UFC No.}~U n/l	**Commodity code**
L0~~{Total UFC qty}~LB~{Total UFC qty}~FR~~~~~~L n/l	**Total quantity and weight**
L1~~.0035~HM~~~~~~~~~~~168~LB n/l	**Rate and declared value**
FA1~DF n/l	**Accounting Information**
FA2~{Breakdown Structure Detail Code}~{Financial Information Code}	
HL~13~~AD n/l	**ITO quality management loop**
N9~25~A n/l	**Not lowest cost reason code**
L0~500 n/l	
L1~~~~10000 n/l	**Difference between actual cost and lowest cost ($100.00)**
FA1~DF n/l	**Accounting Information**
FA2~{Breakdown Structure Detail Code}~{Financial Information Code}	

TABLE C - SUMMARY AREA

L3~~~~~7165600~~~~1245.7~E~1 n/l	**Estimated charges**
SE~{total segments in transaction set}~431240001 n/l	**Transaction set trailer**

EXAMPLE 2.1 - Accessorial Service From ITO to MSDDC

TABLE B - DETAIL AREA

This example shows how an Installation Transportation Office (ITO) will send accessorial service information to the CONUS Freight Management System (CFMS). The service presented in this example is Escort Service (DoD code ES). Escort service information must be identified for each day the service is ordered. Each day's information is represented by a separate HL loop. Each day's information will consist of three types of units of service: number of escort miles, number of escort vehicles, and number of escort persons. Each of these variable units is represented by a separate L0 loop. The first L0 loop will also include an L1 segment identifying the service.

HL~3~~ss n/l	**300 Detail - Accessorial and Protective Service Loop. This HL describes FIRST DAY service.**
loop	
N9~1P~DP~~19920317	**Date service performed.**
L0~300~250~DM n/l	**250 miles.**
L1~~~~00~~~~MES n/l	**DoD service code. Must be in first L0 loop.**
L0~300~2~NV n/l	**2 vehicles.**
L0~300~4~PR n/l	**4 persons.**

HL~4~~SS n/l	**300 Detail - Accessorial and Protective Service Loop. This HL describes SECOND DAY service.**
loop	
N9~1P~DP~~19920318	**Date service performed. Must be in first L0 loop.**
L0~300~125~DM n/l	**125 miles.**
L1~~~~00~~~~MES n/l	**DoD service code. Must be in first L0 loop.**
L0~300~1~NV n/l	**1 vehicle.**
L0~300~2~PR n/l	**2 persons.**

EXAMPLE 2.2 - Accessorial Service From ITO to MSDDC

TABLE B - DETAIL AREA

This example shows how an ITO will send accessorial service information to CFMS when billable units (L003) are not required. The service presented in this example is Overweight Permit (DoD code OW).

HL~3~~SS n/l	**300 Detail - Accessorial and Protective Service Loop. This HL describes FIRST DAY service.**
loop	
N9~1P~DP~~19920318	**Date service performed.**
L0~300 n/l	**This segment required by X12 syntax rules.**
L1~~~~00~~~~PER n/l	**DoD service code.**

EXAMPLE 3 - Bill of Lading Correction Indicator String.

NTE SEGMENT

The bill of lading correction indicator string is 8 character positions long. Each character position corresponds to specific data elements or groups of data elements in the bill of lading. For example, the 6th character position indicates if there is a change to bill of lading equipment data. Building the string using 'Y' and 'N' characters, the finance center indicates which data elements are affected by the bill of lading correction. A 'Y' indicates a change and an 'N' indicates no change.

TABLE B-1 BILL OF LADING SHIPMENT INFORMATION CORRECTION INDICATORS

Indicator Position	***Description***
1	Accounting Classification - Indicates a change to one or more accounting classifications.
2	Authorized Services - Indicates a change to one or more authorized services (accessorials), including service quantities, service quantity qualifiers, and service codes.
3	Basic Bill of Lading Data - Indicates a change to any of the basic bill of lading information (such as weights, shipping origin/destination, commodity information, diversion information, linehaul rates, tariff information, pick-up/delivery dates, etc.).
4	Not used.
5	Cost Data - Indicates a change to costed amounts and accessorial rate/rate qualifier information.
6	Equipment Data - Indicates a change in equipment codes, lengths, and capacities.
7	Not used.
8	Routing and Stop-Off Data - Indicates a change of routing standard carrier alpha codes as well as stop-off standard point locations.

EXAMPLE:

The following string indicates a change to the bill of lading accounting classification, its authorized services, and its equipment date.

NTE~CHG~YYNNNYNN n/l

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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] - Transportation Method Code (Mode Code)

858 Mapping: 1 30 BX02 91

X12 Code	DoD Definition
AF	Air Freight
AH	Air Taxi
B	Barge
BU	Bus
DA	Driveaway Service
DW	Driveaway, Truckaway, Towaway
ED *X12 Definition:*	Air Mobility Command (AMC) Transportation Method/Type Code *European or Pacific Distribution System*
FA	Air Freight Forwarder
IP *	Intermodal (Personal Property)
J *X12 Definition:*	Motor, Truckload *Motor*
LA *X12 Definition:*	Military Air *Logair*
LD *	Local Delivery
LT *X12 Definition:* *Note: 9/18/2008*	Motor, Less than Truckload *Less Than Trailer Load (LTL)* *CHANGE NOTE: Code added per DM 753.*
MP	Motor (Package Carrier)
MS *	Military Sealift Command (MSC), Controlled, Contract, or Arranged Space
PL	Pipeline
R	Rail
RO *	Ocean (Roll on - Roll off)
SB	Shipper Agent
SC	Shipper Agent (Truck)
SD	Shipper Association Surface
SF *	Freight Forwarder Towaway
TA	Service
U *X12 Definition:*	Package Express *Private Parcel Service*
W	Inland Waterway
WP	Water or Pipeline Intermodal Movement
X *X12 Definition:*	Rail Intermodal Piggyback(TOFC/COFC) *Intermodal (Piggyback)*

* Migration Code

20-03 -- Carrier's Pickup Time Qualifier

Data Value - Definition
0 - Original Transaction 1 - Must Respond By 2 - Pickup Appointment Scheduled Time 3 - Delivery Appointment Scheduled Time 4 - Pickup Requested Scheduled Time 5 - Delivery Requested Scheduled Time 6 - Pickup Appointment Granted Time 7 - Delivery Appointment Granted Time 8 - Actual Pickup Time 9 - Actual Delivery Time A - Actual Departure Time B - Released C - Constructive Placement CB - Beginning of Customer Plant Shutdown CE - Ending of Customer Plant Shutdown D - Estimated Departure Time E - Estimated Arrival Time ED - Earliest Delivery Time EP - Earliest Pickup Time F - Actual Unloading Completed G - Earliest Requested Deliver Time H - Customs Release I - Earliest Requested Pick Up Time J - Duty Paid K - Latest Requested Pick Up Time L - Latest Requested Delivery Time LD - Latest Delivery Time LP - Latest Pickup Time M - Charged From N - Notified O - Charged To P - Actual Placement Q - Ordered R - Actual Arrival Time S - Scheduled Departure Time T - Scheduled Arrival Time U - Scheduled Pick Up Time V - Actual Unloading Started W - Effective Time X - Scheduled Delivery Time Y - Requested Pick Up Time Z - Requested Delivery Time

[32-01] - Accessorial/Protective Service Ordered Identifier

858 Mapping: 1 200 H301 152

[173-08] - Service Identifier Code

858 Mapping: 2 150 L108 150

Accessorial Services for Rail Shipments

X12 Code	DoD Definition	L003 221 [172.03]	L103 122 [173.03]	L112 276 [173.12]
045	**Advancing Charges**	EA	P1	
X12 Definition:	*Advance Fee*			
495	**Crane at Destination**			
X12 Definition:	*Miscellaneous - Destination*			
Note: 3/9/2007	*CHANGE NOTE: Borrowed code from DE 150 per DM 617*			
500	**Crane at Origin**			
X12 Definition:	*Miscellaneous - Origin*			
Note: 3/9/2007	*CHANGE NOTE: Borrowed code from DE 150 per DM 617*			
AAM	**Protective materials provided for blocking and bracing**			
X12 Definition:	*Additional Material*			
Note: 3/9/2007	*CHANGE NOTE: Borrowed code from DE 150 per DM 617*			
AAS	**Attendants Accompanying**	PR	NM,XP	
ARG	**Rail Armed Guard Service**		PM,FC	
BLK	**Carrier to Block, Brace and Tie Down**			
X12 Definition:	*Blocking and Bracing Charge*			
Note: 3/9/2007	*CHANGE NOTE: Borrowed code from DE 150 per DM 617*			
CCS	**Carrier Caboose Charge**	NC	VT	
CGC	**Carrier Guard Cars**	NC	VT	
X12 Definition:	*Carrier Guard Car Charge*			
CGR	**Government Caboose/Guard Cars Returned**	NC	VT	(Return SPLC)
X12 Definition:	*Return Carrier Guard Car Charge*			
CR	**Portable Ramps at Origin**			
X12 Definition:	*Circus Ramp Only (TOFC Van)*			
Note: 3/9/2007	*CHANGE NOTE: Borrowed code from DE 150 per DM 617*			
CSP	**Government Caboose Charge**	NC	VT	
DEM	**Demurrage**	TD	DV	
Note: 3/1/1999	*CHANGE NOTE: Borrowed code from DE 150 per DM 617*			
DPD	**Drayage at Destination**			
X12 Definition:	*Drayage at Port of Debarkation*			
Note: 3/9/2007	*CHANGE NOTE: Borrowed code from DE 150 per DM 617*			
DPE	**Drayage at Origin**			
X12 Definition:	*Drayage at Port of Embarkation*			
Note: 3/9/2007	*CHANGE NOTE: Borrowed code from DE 150 per DM 617*			

ECS *X12 Definition:*	**Empty Cars Ordered but Not Used** *Empty Railcar Ordered But Not Used Charge*	NC	PC
EXC	**Exclusive Use**		VT
GSP	**Government Guard Car Charge**	NC	VT
GSS	**Greater Security Service**		PC
HHB * *Note: 4/6/2001*	**Handling freight not adjacent to vehicle** *CHANGE NOTE: Migration code for DE 152.*	LC	CW,MS,MP
HOL	**Sunday or Holiday Pick-up or Delivery**	TH,DR	MH,MN
HRS	**Heater or Refrigeration**	NC NC	PM,MC
IDC	**Idler Car Charge**	EA	PC
IMS *X12 Definition:*	**Intermodal Shipment** *Intermodal Shipment Service Charge*		ER
LDA *X12 Definition:* *Note: 3/9/2007*	**Carrier to Load** *Loading Allowance* *CHANGE NOTE: Borrowed code from DE 150 per DM 617*		
LDL *X12 Definition:* *Note: 3/9/2007*	**Carrier to Unload** *Unloading Allowance* *CHANGE NOTE: Borrowed code from DE 150 per DM 617*		
LFD *X12 Definition:* *Note: 3/9/2007*	**Dedicated Switch Engine Crew at Destination** *Linehaul From Port of Debarkation* *CHANGE NOTE: Borrowed code from DE 150 per DM 617*		
LMD *X12 Definition:* *Note: 3/9/2007*	**Dedicated Switch Engine at Destination** *Liner Terms at Port of Debarkation* *CHANGE NOTE: Borrowed code from DE 150 per DM 617*		
LME *X12 Definition:* *Note: 3/9/2007*	**Dedicated Switch Engine at Origin** *Liner Terms at Port of Embarkation* *CHANGE NOTE: Borrowed code from DE 150 per DM 617*		
LTE *X12 Definition:* *Note: 3/9/2007*	**Dedicated Switch Engine Crew at Origin** *Linehaul To Port of Embarkation* *CHANGE NOTE: Borrowed code from DE 150 per DM 617*		
MOT *X12 Definition:* *Note: 3/9/2007*	**Protective materials provided for blocking and bracing** *Other* *CHANGE NOTE: Borrowed code from DE 150 per DM 617*		
OCL *X12 Definition:* *Note: 3/9/2007*	**Carrier to Load** *Carrier Load and Consignee Unload* *CHANGE NOTE: Borrowed code from DE 150 per DM 617*		
OOL *X12 Definition:* *Note: 3/9/2007*	**Carrier to Unload** *Carrier Load and Carrier Unload* *CHANGE NOTE: Borrowed code from DE 150 per DM 617*		
PRL *X12 Definition:*	**Prelodging** *Prelodge Charge*	NV	PV
PUD	**Pick-up and Delivery**	TH,DR	MH,ND
RAM *X12 Definition:* *Note: 3/9/2007*	**Portable Ramps at Destination** *Rampling* *CHANGE NOTE: Borrowed code from DE 150 per DM 617*		

RCL	**Redelivery**		CW,MS,MP	
RDH *X12 Definition:* *Note: 3/9/2007*	**Technical Assistance for Loading Rail Cars** *Railhead Handling* *CHANGE NOTE: Borrowed code from DE 150 per DM 617*			
RIS * *Note: 4/6/2001*	**Rail Inspection Service** *CHANGE NOTE: Migration code for DE 152.*	DM,NC	MV,MC,FC	
RLS	**Relocation of Vehicle**	EA	RL	
RMC	**Return of Empty Container Charge**			
RMP	**Return Movement of Pallet Charge**			
SAT *X12 Definition:*	**Saturday Pick-up Charge** *Saturday Pick-up or Delivery Charge*	TH,DR	MH,MN	
SFT *X12 Definition:*	**Special Train Service** *Special Train Movement*		PM,MP,MS	
SOC	**Stop-off Charge**		SP	
SPU	**Split Pickup**	SP	SP	
SUA *X12 Definition:* *Note: 3/9/2007*	**Crane at Destination** *Spot for Unloading from A End* *CHANGE NOTE: Borrowed code from DE 150 per DM 617*			
SUB *X12 Definition:* *Note: 3/9/2007*	**Crane at Origin** *Spot for Unloading from B Brake End* *CHANGE NOTE: Borrowed code from DE 150 per DM 617*			
SUC *X12 Definition:* *Note: 3/9/2007*	**Portable Ramps at Origin** *Special Use* *CHANGE NOTE: Borrowed code from DE 150 per DM 617*			
SUP *X12 Definition:* *Note: 3/9/2007*	**Inspector Requested for Loading** *Supervisor Requested* *CHANGE NOTE: Borrowed code from DE 150 per DM 617*			
SVS	**Storage of Vehicles**	TD	DV	
TER *X12 Definition:* *Note: 3/9/2007*	**Carrier to Unblock, Unbrace, and Untie** *Terminal Handling Charges* *CHANGE NOTE: Borrowed code from DE 150 per DM 617*			
TMV	**Tendering of Multiple Vehicles**	TH	PD	
UB *X12 Definition:* *Note: 3/9/2007*	**Portable Ramps at Destination** *Unload at Bumper (Circus Ramp)* *CHANGE NOTE: Borrowed code from DE 150 per DM 617*			
URC *X12 Definition:*	**Loading/Unloading** *Unloading/Reloading Charge*	LC	CW,MN	
VFN	**Vehicles Furnished But Not Used**	NV	VT,PV	(Dispatch SPLC)
WTV	**Weight Verification Charge**		PC	

* Migration Code

Accessorial Services for Tailored Transportation Contract Traffic Shipments

Item Number	X12 Code	DoD Definition	L003 221 [172.03]	L103 122 [173.03]	L112 276 [173.12]
	405	**Fuel Surcharge**		PW	
105	CIS	**DoD Constant Surveillance Service**		VT,MW	
X12 Definition:		*Constant Surveillance*			
140	675	**Signature and Tally Record Service**	FR	PS	
X12 Definition:		*Security Signature Service*			
205	045	**Advancing Charges**			
X12 Definition:		*Advance Fee*	EA	P1	
255	CHN	**Chains and Binders**			
X12 Definition:		*Chain and Binders*	EA	ER	
285	DEP	**Detention: Vehicles with Power Units**	TH	PR	
X12 Definition:		*Detention of Power Units*			
290	DET	**Detention: Vehicles Without Power Units**		DV	
X12 Definition:		*Detention of Trailers*			
310	EXC	**Exclusive User of Vehicle**		VT	
X12 Definition:		*Exclusive Use Charge*			
320	EXD	**Extra Driver**	DR	PM,MW	
350	LIE	**Cargo Liability of Carrier**		PH	
X12 Definition:		*Liability of Carrier Charge*			
Note: 4/6/2001		*CHANGE NOTE: L103 reference FC changed to PH per DM 739.*			
355	URC	**Loading/Unloading by Motor Carriers**	LC	CW,MS	
X12 Definition:		*Unloading/Reloading Charge*			
410	HOL	**Sunday or Holiday Pick-up or Delivery**	TH,DR	MH,ND	
410	PUD	**Pick-up/Delivery o/t Normal Bus hours**	TH,DR	MH	
X12 Definition:		*Pick-up and Delivery*			
410	SAT	**Saturday Pick-up or Delivery Charge**	TH,DR	MH,ND	
430	PTS	**Protective Tarping for Security Purposes**	NV	PV	
X12 Definition:		*Protective Tarp for Security Purposes*			
440	RCC	**Reconsignment/Diversion**	FR	PS	
X12 Definition:		*Reconsignment Charge*			
445	RCL	**Redelivery**		CW,MS,MP	
450	RLS	**Relocation of Vehicle**	EA	RL	
485	SDL	**Split Delivery**	SP	SP	(SPLC)
490	SPU	**Split Pickup**	SP	SP	(SPLC)
495	SOC	**Stop-off Charge**	SP	SP	
500	SRG	**Storage**	TD	PD,MS	
530	VFN	**Vehicles Furnished But Not Used**	NV	VT,PV	(Dispatch SPLC)
EXP1	EXP	**Expedited Service for Truckload**		VT	TL
X12 Definition:		*Expedited Service Charge*			
Note: 2/26/2007		*CHANGE NOTE: Changed per DM 625*			

EXP2	**EXP**	**Expedited Service for Less Than Truckload**	PW	LTL
X12 Definition:		*Expedited Service Charge*		
Note:	*2/26/2007*	*CHANGE NOTE: Changed per DM 625*		
PUC	**PUC**	**Urgent Pickup Service**	PC	
X12 Definition:		*Pickup Charge*		

Accessorial/Protective Service For Air Shipments

X12 Code	DoD Definition	L003 221 [172.03]	L103 122 [173.03]	L112 276 [173.12]
045 *X12 Definition:*	**Advancing Charges** *Advanced Fee*	EA	P1	
405	**Fuel Surcharge**		PW	
520 *X12 Definition:*	**Overdimensional** *Oversized Premium*		PW	
675 *X12 Definition:*	**Signature and Tally Record Service** *Security Signature Service*		PS	
AFN * *Note: 4/6/2001*	**Air Craft Furnished and Not Used** *CHANGE NOTE: Migration code for DE 150.*	NV	VT,MN,FC	
AIR * *X12 Definition:* *Note: 4/6/2001*	**Air** *Air Freight* *CHANGE NOTE: Migration code for DE 152.*			
CIS *X12 Definition:*	**DoD Constant Surveillance Service** *Constant Surveillance*		PS	
DDN *X12 Definition:*	**Dual Driver Protective Service with National Agency Check** *Dual Driver with National Agency Check*		PS	
DDP	**Dual Driver Protective Service**		PS	
DEL	**Delivery Charge**		CW,MN	
ECR *X12 Definition:*	**Escorts/Couriers** *Escort/Courier Service*	PR	PP	
EVC * *X12 Definition:* *Note: 10/20/1998*	**Excess Valuation** *Excess Value Charge* *CHANGE NOTE: Migration code for DE 152.*	MV	PH	
HAZ * *X12 Definition:* *Note: 10/20/1998*	**Hazardous Material** *Hazardous Cargo Charge* *CHANGE NOTE: Migration code for DE 152.*		PS	
HOL	**Sunday or Holiday Pickup or Delivery**		CW,MN	
PSS *X12 Definition:*	**Protective Service Security** *Protective Security Service*		PS	
PUD *X12 Definition:*	**Pickup or Delivery Before or After Normal Business Hours** *Pick-up and Delivery*		CW,MN	
RCC *X12 Definition:*	**Reconsignment Charge** *Reconsignment*		CW,MN	
RCL	**Redelivery**	NV	CW,MP,FC, MS	
SAT	**Saturday Pickup or Delivery**		CW,MN	
SEV *X12 Definition:*	**Security Escort Vehicle** *Security Escort Vehicle Service*		PS	
WTG * *Note: 4/6/2001*	**Waiting Time** *CHANGE NOTE: Migration code for DE 152.*	TH	PR,MP	

Accessorial/Protective Service For Motor Shipments

X12 Code	DoD Definition	L003 221	L103 122 [173.03]	L112 276 [173.12]
045 *X12 Definition:*	**Advancing Charges** *Advance Fee*	EA	P1	
405 *X12 Definition:*	**Fuel Adjustment** *Fuel Surcharge*		PW	
520 *X12 Definition:*	**Overdimension Permit** *Oversized Premium*		VT,FT,MW	
675 *X12 Definition:*	**Signature Tally** *Security Signature Service*		PS	
BUA	**Bunker Adjustment**		PS	
CFC	**Customs Fees - Container Level**	TH	DV	
CHN *X12 Definition:*	**Chains and Binders** *Chain and Binders*	EA	ER	
CIS	**Constant Surveillance**		VT,MW	
CUF	**Currency Adjustment Factor**		VT,MW	
DCS *X12 Definition:* *Note: 1/23/2008*	**Trailer Tracking Service** *Disconnect Charge* *CHANGE NOTE: Code added per DM 712*			
DDN	**Dual Driver with National Agency Check**		VT,MW	
DDP *X12 Definition:*	**Dual Driver** *Dual Driver Protectice Service*		VT,MW	
DEP *X12 Definition:*	**Detention of Conveying Equipment and the Power Unit** *Detention of Power Units*	TH	PR	
DET *X12 Definition:*	**Detention of Conveying Equipment Excluding the Power Unit** *Detention of Trailers*	TH	DV	
ELS	**Extra Lights**	NV,ST	VV	
EMT	**Empty Movement**	NV	VT	(Dispatch SPLC)
ERS	**Empty Return**	NV	VT	
EXC	**Exclusive Use Charge**		VT	
EXD *Note: 11/20/20)7*	**Extra Driver** *CHANGE NOTE: Code added per DM 693*		VT	
EXP	**Expedited Service Charge**		VT	
HHB * *Note: 4/6/2001*	**Handling freight not adjacent to vehicle** *CHANGE NOTE: Migration code for DE 152.*	LC	CW,MS,MP	
HOL	**Sunday or Holiday Pick-up or Delivery**	TH,DR	MH,MN	
IMP	**Impactographs**	EA	MA,MB	
LIE	**Liability of Carrier Charge**	MV	FC	
MEN	**Escort Service with Overnight Subsistence**	NG,PR	PN	

MES *X12 Definition:*	**Escort (standard)** *Escort Service* **Escort**	DM,NV,PR	VT,NV	
MET *X12 Definition:*	**(telephones)** *Escort Service (Telephone)*	NV	PV	
MNS *X12 Definition:*	**Motor Surveillance (12-hour calls)** *Motor Surveillance Service*		PM,MS	
MVS	**Special Motor Surveillance Charge**		PM,MS	
PER *X12 Definition:*	**Overweight Permit** *Permit Charge*	EA	PM,PV,HM,CW	(2 char state code)
PRL *X12 Definition:*	**Prelodging** *Prelodge Charge*	NV	PV	
PSS *X12 Definition:*	**Protective Security (without armed drivers)** *Protective Service Security*		VT,MW	
PTS *X12 Definition:*	**Protective Tarping** *Protective Tarp for Security Purposes*	NV	PV	
PUD	**Pick-up and Delivery**	TH,DR	MH,ND	
PVB	**Bonded Privately Owned Vehicle Charge**	NV FR	VT,PV	
RCC *X12 Definition:*	**Reconsignment/Diversion** *Reconsignment Charge*		PS	
RCL	**Redelivery**		CW,MS,MP	
RLS	**Relocation of Vehicle**	EA	RL	
RSS	**Restricted Speeds**		VT	(Max speed)
RSV	**Reservations**	CF		
SAT	**Saturday Pick-up or Delivery Charge**	TH,DR	MH,MN	
SDL	**Split Delivery**	SP	SP	
SEV *X12 Definition:*	**Security Escort Service** *Security Escort Vehicle Service*	NV	VT,MW	
SNS *X12 Definition:*	**Satellite Motor Surveillance** *Satellite Surveillance Service*		PM,MW	
SOC	**Stop-off Charge**		SP	
SPU	**Split Pickup**	SP	SP	
SRG	**Storage**		PD,MS	
SRS	**Surveying Routes**	DM,PR,NV	VT,MW,NM,ND	
SSR * *X12 Definition:*	**Surveying Routes** *Safehaven/Secureholding Refusal*	DM,PR,NV	VT,MW,NM,ND	
TOW * *Note: 4/6/2001*	**Motor Towaway Service** *CHANGE NOTE: Migration code for DE 152.*	EA,NV	ER,PV	
TPA * *Note: 5/7/1999*	**Carrier Equipment Pool Charge** *CHANGE NOTE: Migration code for DE 152.*	NV	VT,PV	
URC *X12 Definition:*	**Loading/Unloading** *Unloading/Reloading Charge*	LC	CW,MN	

X12 Code	DoD Definition	L003 221 [172.03]	L103 122 [173.03]	L112 276 [173.12]
VFN	**Vehicles Furnished But Not Used**	NV	VT,PV	(Dispatch SPLC)
VIS	**Vehicles Inoperable**	NV	PV	
VTS *X12 Definition:*	**Vehicles in Truckaway** *Vehicles in Truckway*	NV	VT	
WTV	**Weight Verification Charge**		PV	

* Migration Code

Bulk Fuel Shipments

X12 Code	DoD Definition	L003 221 [172.03]	L103 122 [173.03]	L112 276 [173.12]
045 *X12 Definition:*	**Advancing Charges** *Advance Fee*	EA	P1	
ADL	**Advance Loading Charge**	TD	VT,DV	(Holding SPLC)
CLN	**Cleaning Charge**	NV	PV	
CTR	**Circuitous Routing Charge**			
DEP *X12 Definition:*	**Detention with Power Unit** *Detention of Power Units*	TH	PI	
DET *X12 Definition:*	**Detention Without Power Unit** *Detention of Trailers*	TH	DV	
EDD	**Equipment Hose at Destination Charge**		PM,MA	(Dispatch SPLC)
EDO	**Equipment Hose at Origin Charge**		PM,MA	(Dispatch SPLC)
EXP	**Expedited Service Charge**			
HOL	**Sunday or Holiday Pick-up or Delivery**	TH,DR	MH,MN	
HOS *X12 Definition:*	**Equipment Hose (over 36')** *Hose Charge*	FT	FT,MA	
HOX *X12 Definition:*	**Equipment Hose (special type)** *Hose Charge Special*	FT	FT,MA	
PAJ *X12 Definition:*	**Pumping Equipment** *Pump Charge*	GL	PG,MN	
PUD	**Pick-up and Delivery**	TH,DR	MH,ND	
RCC *X12 Definition:*	**Reconsignment/Diversion** *Reconsignment Charge*	FR	PS	
RCL	**Redelivery**		PM,MS	
SAT *X12 Definition:*	**Saturday Pick-up Charge** *Saturday Pick-up or Delivery Charge*	TH,DR	MH,MN	
SOC	**Stop-off Charge**		PM,SP	
SPA * *X12 Definition:* *Note: 4/6/2001*	**Allowances** *Special Allowance* *CHANGE NOTE: Migration code for DE 152*			
SPU	**Split Pickup**	SP	SP	
SRG	**Storage**	TD,NV	DV	
VFN	**Vehicles Furnished But Not Used**	NV	VT,PV	(Dispatch SPLC)
WDS	**Waterfront Delivery Charge**	TH	PR	

* Migration Code

Miscellaneous Services

X12 Code	DoD Definition	L003 221 [172.03]	L103 122 [173.03]	L112 276 [173.12]
TPS	Third-Party Service		(X12Code)	(Description)

Pipeline Shipments

X12 Code	DoD Definition	L003 221 [172.03]	L103 122 [173.03]	L112 276 [173.12]
AIB	**Additional Injection/Blending Service Charge**	BA	BR	
DEL *X12 Definition:*	**Delivery Service/Receipt and Issue** *Delivery Charge*	BA	BR	
FTR	**Filtration Service Charge**	BA	BR	
LAS *	**Co-mingling/Loss Allowance**		PW	
ORS *	**Receipt and Issue other than Normal Hours**	TH	MN,MH	

* Migration Code

[43-22] - Type of Equipment Furnished

858 Mapping: 1 330 N722 24

[47-04] - Type of Equipment Ordered

858 Mapping: 1 350 N504 301

Air

DoD Code	DoD Definition
QQ	Freight (Other than Freight Forwarder)
QU	Taxi
SS	Charter
TT	Freight Forwarder

Containers

DoD Code	DoD Definition
QA1	Non milvan, 20 feet and less
QA2	Non milvan, 24 feet
QA3	Non milvan, 27 feet
QA4	Non milvan, 35 feet
QA5	Non milvan, 40 feet
QA6	Non milvan, 45 feet and over
QM	Milvan

Motor and TOFC (Dimensions are Outside Dimensions)

DoD Code	DoD Definition
A10	410 Dromedary, 102" L x 75 ½" H x 92" W, 410 cubic feet
A11	Van, air ride, 45 ft or 48 ft, padded, equipped with electric hydraulic powered crane loading unloading system or hydraulic powered
A16	Special Dromedary with MRO
A20	Motor vehicle transport trailer
A30	Removable gooseneck
A40	Flat bed trailer, hot shot, 40 ft and over
A5	Tractor, air ride
A50	Van, closed, padded/logistics type, freight only, w/air ride suspension, 40 ft and over
A6	Tractor, other than air ride
A7	Flat bed, 30 feet and less, hooked in tandem as one unit
A8	Van, air ride, w/temperature and humidity control
A9	Van, closed, padded, w/air ride suspension 2nd & 3rd proviso only
AA1	Van, closed air ride, 30 ft and less
AA2	Van, closed air ride, 31-40 ft Van,
AA3	closed air ride, over 40 ft Lowboy,
AB0	level deck, 10 axles and over Lowboy,
AB2	level deck, 2 axles
AB3	Lowboy, level deck, 3 axles
AB4	Lowboy, level deck, 4 axles
AB5	Lowboy, level deck, 5 axles
AB6	Lowboy, double drop, air ride, w/outriggers, 3 axles
AB7	Lowboy, level deck, 7 axles
AB9	Lowboy, level deck, 9 axles
AC2	Expandable low bed trailer, 2 axles
AC3	Expandable low bed trailer, 3 axles
AC4	Expandable low bed trailer, 4 axles
AD	Regular Dromedary
AD6	Dromedary with Mechanical Restraining Device (MRD)
AE0	Lowboy, double drop, 10 axles and over
AE2	Lowboy, double drop, 2 axles
AE3	Lowboy, double drop, 3 axles
AE4	Lowboy, double drop, 4 axles
AE5	Lowboy, double drop, 5 axles
AE6	Lowboy, double drop, w/outriggers, 3 axles

AE7		**Lowboy, double drop, 7 axles**
AE9		**Lowboy, double drop, 9 axles**
AF1		**Flat bed, 30 ft and less**
AF2		**Flat bed, 31-40 ft**
AF3		**Flat bed, over 40 ft**
AF4		**Flat bed w/Conestoga trailers 30 ft and less**
Note:	*9/25/2008*	*CHANGE NOTE: Code value added per DM 769*
AF5		**Flat bed w/Conestoga trailers 31- 40 ft**
Note:	*9/25/2008*	*CHANGE NOTE: Code value added per DM 769*
AF6		**Flat bed w/Conestoga trailers over 40 ft**
Note:	*9/25/2008*	*CHANGE NOTE: Code value added per DM 769*
AG1		**Van, open, 30 ft and less**
AG2		**Van, open, 31-40 ft**
AG3		**Van, open, over 40 ft**
AG4		**Tautliner Van w/Tarps, 30' or less**
AG5		**Tautliner Van w/Tarps, 31' to 40'**
AG6		**Tautliner Van w/Tarps, over 40'**
AH2		**Drop frame trailer, drop/step deck, 2 axles**
AH3		**Drop frame trailer, drop/step deck, 3 axles**
AI2		**Drop frame trailer, drop/step deck, air ride, 2 axles**
AI3		**Drop frame trailer, drop/step deck, air ride, 3 axles**
AJ0		**Lowboy, level deck, air ride, 10 axles and over**
AJ2		**Lowboy, level deck, air ride, 2 axles**
AJ3		**Lowboy, level deck, air ride, 3 axles**
AJ4		**Lowboy, level deck, air ride, 4 axles**
AJ5		**Lowboy, level deck, air ride, 5 axles**
AJ6		**Lowboy, level deck, air ride, w/outriggers, 3 axles**
AJ7		**Lowboy, level deck, air ride, 7 axles**
AJ9		**Lowboy, level deck, air ride, 9 axles**
AK		**Van, refrigerated, perishable food**
AL2		**Extendable flat bed trailer, 2 axles**
AL3		**Extendable flat bed trailer, 3 axles**
AL4		**Extendable flat bed trailer, 4 axles**
AM0		**Lowboy, double drop, air ride, 10 axles and over**
AM2		**Lowboy, double drop, air ride, 2 axles**
AM3		**Lowboy, double drop, air ride, 3 axles**
AM4		**Lowboy, double drop, air ride, 4 axles**
AM5		**Lowboy, double drop, air ride, 5 axles**

AM6	Lowboy, double drop, air ride, w/outriggers, 3 axles
AM7	Lowboy, double drop, air ride, 7 axles
AM9	Lowboy, double drop, air ride, 9 axles
AN	Adjustable tilt bed trailer
AO	Driveaway/Truckaway
AO1	Straight truck, enclosed van, air ride, 12 ft, 5,000 lb, maximum cargo capacity
AO2	Straight truck, enclosed van, air ride, 20 ft, 13,000 lb, maximum cargo capacity
AO3	Straight truck, enclosed van, air ride, 12 ft, 5,000 lb, maximum cargo capacity
AO4	Straight truck, enclosed van, air ride, 20 ft, 13,000 lb, maximum cargo capacity
AO5	Straight truck, enclosed van, 20 ft, 13,000 lb, maximum cargo capacity, padded/logistics type, w/ air ride suspension
AO6	Pickup truck, with cap, 18 ft. long, 500 lbs maximum cargo capacity
AO7	Econo van, 17 ft long, 2,000 lbs maximum cargo capacity
AO8	Dump trailer, 28 ft long, 2 axle, hydraulic powered lift
AP	Aft steering unit
AR	Van, refrigerated, other
AS	Livestock transporter
AT1	Tank, 5001-8000 gallons
AT2	Tank, over 8000 gallons
AU	Container, shipper owned, environmental, temperature and humidity controlled.
AV1	Van, closed, 30 ft and less
AV2	Van, closed, 31-40 ft
AV3	Van, closed, over 40 ft
AV4	Van, closed, Rollerbed, 40 ft, fixed rollers
AV5	Van, closed, Rollerbed, 40 ft, retractable rollers
AV6	Van, closed, Rollerbed, 45 ft and over, fixed rollers
AV7	Van, closed, Rollerbed, 45 ft and over, retractable rollers
AV8	Van, closed, 45 to 48 ft, 12’ 4" high
AX	Flat bed, all lengths (twist lock)
AY1	Van, closed, 30 ft and less, double type single unit
AY2	Van, closed, 30 ft and less, hooked in tandem as one unit
AZ1	Flat bed, air ride, 30 ft and less
AZ2	Flat bed, air ride, 31-40 ft
AZ3	Flat bed, air ride, over 40 ft

Other Methods

DoD Code	DoD Definition
8X	Pipeline
EE	Bus
MF	Freight Forwarder (Surface)

Rail

DoD Code	DoD Definition
KA	Box, automobile
KB1	Flat, bilevel, not enclosed
KB2	Flat, bilevel, enclosed
KC	Box, nuclear waste, DODX w/racks permanently affixed
KD	Gondola, drop ends
KE	Box, end door
KF1	Flat, any other type, not over 70'
KF2	Flat, any other type, over 70' but not over 90'
KG1	Gondola, any other type, 52’ hi capacity
KG2	Gondola, any other type, 65’ hi capacity
KH1	Hopper open-top, 80 tons and less
KH2	Hopper open-top, 100 tons, 2000 cubic feet
KH3	Hopper, closed-top, 70 tons, 2000 cubic feet
KH4	Hopper, closed top, 100 tons, 2929 cubic feet
KH5	Hopper, closed-top, 100 tons, 4000 cubic feet
KH6	Hopper, closed-top, 100 tons, 4600 cubic feet
KK1	Refrigerator, perishable foods, not over 53'mechanical
KK2	Refrigerator, perishable foods, over 53', but not over 61 mechanical
KL1	Flat, trilevel, not enclosed
KL2	Flat, trilevel, enclosed
KO1	Box, any other type, not over 52' 6"
KO2	Box, any other type, over 52' 6", but not over 60’ 9"
KO3	Box, any other type, over 60’ 9"
KP	Box, damage prevention type
KR1	Refrigerator, any other type, not over 53' mechanical
KR2	Refrigerator, any other type, over 53', but not over 65’ mechanical
KS	Stock
KT1	Tank, 10,000 gallons
KT2	Tank, 20,000 gallons
KT3	Tank, 30,000 gallons
KU	Caboose, DODX armed guard
KW1	TOFC car
KW2	COFC car
KX	Box, missile, DODX w/refrigeration

KY	Flat, heavy duty
KZ1	Flat, DODX, not over 60’
KZ2	Flat, DODX, over 60’
KZ3	Locomotive under own power, on own wheels
KZ4	Locomotive not under own power, on own wheels
KZ5	Locomotive not under own power, not on own wheels

Water

DoD Code	DoD Definition
WA	Steamship
WE	Covered barge WG
	Cylinder tank barge
WI	Flush deck oil barge
WK	Liquid covered barge
WM	Open barge
WP	Special auto barge

83-05 -- FOB SPLC Qualifier

Data Value - Definition
10 - Nearest Cross Street
11 - Secondary Cross Street
12 - Range
13 - Section
14 - Quarter Section
18 - Marker Identifier Location
19 - Route
20 - Route Subdivision
21 - Grid Location
22 - Page
27 - Marker Type
28 - Latitude-Longitude Source
29 - Map Source
30 - Map Reference
31 - Grid Source
32 - Aliquot
33 - Block
34 - District
35 - Drainhole Number
36 - City Block
38 - Footage Call Direction
39 - Location Direction
40 - Outer Continental Lease Location
41 - Lot
42 - Map Quadrangle
43 - Principal Meridian
44 - Outer Continental Shelf Area
45 - Outer Continental Shelf Block
46 - Official Protraction Diagram
47 - Quarter Quarter Quarter Section
48 - Quarter Quarter Section
49 - Section Type
50 - Abstract
52 - Labor
53 - League
54 - Survey
55 - Tier
57 - Tract
58 - Universal Transverse Mercator Quadrant
59 - Course Direction
60 - Area
93 - Sender's Location Code
94 - Receiver's Location Code
A - Jurisdiction to Receive Credit for Uniform Commercial Code Filing
A1 - Office
AA - Annual Statements Mailing Address
AC - City and State
AP - All Points
AR - Armed Services Location Designation
B - Transmitting Utility
B1 - Branch
BE - Business Economic Area (BEA) Region Code
BL - Government Bill of Lading Office Code (GBLOC)
BS - Place of Business
C - Consignor
C2 - Geopolitical Name Code
CA - Country of Origin
CB - Confirmation Mailing Address
CC - Country
CD - Canadian Customs Office Code
CE - Correspondence Mailing Address
CI - City
CL - National Rate Basis (NRB)
CO - County/Parish and State
CR - In Tank Car
CS - Canadian SPLC
CY - County/Parish
D - Census Schedule D
DC - Distribution Center Number
DE - Destination (Shipping)
DL - Delivery Location
DO - District Office
DP - Department
DR - District of Residence
DT - Domicile Type Code
E - Uniform Commercial Code Filing Office
EA - Event Location
EL - Employer Location

83-05 -- FOB SPLC Qualifier (CONT)

Data Value - Definition
F - Current Address
FA - Factory
FE - Freight Equalization Point
FF - Foreign Freight Forwarder Location
FI - Federal Information Processing Standards (FIPS) 55 (Named Populated Places)
FR - U.S. Custom's Facilities Information and Resource Management Systems (FIRMS)
FS - Freight Station Accounting Code
FT - Foreign Trade Zone
FV - Free Alongside Vessel (Free On Board [F.O.B.] Point)
GL - Freight Station Geographic Location
H - Home Address
I - Home Base Address
IA - International Air Transport Association (IATA) Location Qualifier
IB - Issue Location
IM - Military Standard Movement Procedures (MILSTAMP)
IP - Postal
IS - In Store
IT - Intermediate FOB Point
K - Census Schedule K
KE - Port of Embarkation
KL - Port of Loading
KP - Government Furnished Property FOB Point
L - Local Address
LO - Local Office
M - Mailing Address
MI - Mill
MS - Metropolitan Sampling Area (MSA) Region Code
MZ - Mexican Postal Code
NS - City/State from Points
O - Office Address
OA - Origin (After Loading on Equipment)
OF - Other Unlisted Free On Board (FOB) Point
OL - Open and Prepay Station List Code(SCAC & Number)
OP - Other Unlisted Acceptance Point
OR - Origin (Shipping Point)
OV - On Vessel (Free On Board [FOB] point)
P - Permanent Address
PA - Port of Arrival
PB - Port of Discharge
PC - Policy Mailing Address
PD - Place of Delivery
PE - Port of Entry
PF - Parents Address
PG - Primary
PH - Prior Business
PL - Plant
PO - Principal Servicing Office
PP - Pool Point
PQ - 3 Digit U.S. ZIP
PR - 4 Digit U.S. ZIP
PS - 5 Digit U.S. ZIP
PT - 3 Digit Canadian Postal Code
PU - 6 Digit Canadian Postal Code
RA - Rate Area Code
RC - In Rail Car
RE - Regional Education Service Agency
RG - Region Code
RJ - Region
RL - Rural
RS - Standard Carrier Alpha Code
RT - Route Administrative Message To
SA - Secondary
SB - Suburban
SC - City/State and Points Within
SD - School District
SE - Summer
SG - Storage
SH - School Campus Code
SL - U.S. SPLC
SN - Store Number
SP - State/Province
SS - School
ST - In Storage Tank
SW - Switching District
TA - Tank
TC - Transcontinental Freight Bureau
TL - Terminal Cargo Location
TM - Terminal

83-05 -- FOB SPLC Qualifier (CONT)

Data Value - Definition
TN - Township TP - Temporary TR - Rail Territory TX - Taxing District UN - United Nations Location Code (UNLOCODE) UR - Urban UT - Business Unit VA - Vacation VI - Village VS - Vessel Stowage Location W - Worldwide Geographic Location Code WF - Wharf WH - Warehouse WI - Winter ZN - Zone Code ZZ - Mutually Defined

92-01 -- Breakdown Structure Detail Code

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 Subline
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

117-05 -- Freight Weight Qualifier

Data Value - Definition
A - Consolidated Weight A1 - Dimensional Weight A2 - Reweighed By Carrier A3 - Shippers Weight A4 - Average Weight per Load B - Billed Weight C - Actual Net Repeated for Combination CD - Chargeable Dunnage CE - Certified Weight of Cargo D - Destination Weight Agreement DR - Drained Weight E - Estimated Net Weight F - Deficit Weight FR - Freight Weight G - Gross Weight H - Weight Per 100 Feet I - Weight Per 1000 Feet J - Light Weight K - Clean Out L - Legal Weight LC - Maximum Lading Capacity M - Minimum Weight (for rate) N - Actual Net Weight ND - Nonchargeable Dunnage NI - Non-Temporary Storage Weight In NR - Non-Temporary Storage Weight Re-handled NT - Non-Temporary Storage Weight Out O - Excess Weight Over Maximum P - Weight Per 100 Units PA - Pallet Weight Q - Weight Per 1000 Units R - Per Unit Dunnage RG - Reweigh Gross Weight RN - Reweigh Net Weight RT - Reweigh Tare Weight S - State Weight SF - Storage in Transit Final Weight Out SI - Storage in Transit Weight in SK - Skid Weight SO - Storage in Transit Weight Out T - Tare Weight U - Weight Per Unit V - Non Transit Weight (On Transit Bills Only) W - Transit Weight (On Transit Bills Only) WA - Administrative Weight Allowance WB - Unaccompanied Baggage Weight WG - Professional Gear Weight WJ - Joint Travel Regulation Weight X - Maximum Weight (for Rate) Y - Theoretical Weight Z - Mutually Defined

[117-09] - Type Pack Qualifier

858 Mapping: 2 145 L009 211

[117-1] - Type Pack Sub Qualifier

858 Mapping: 2 145 L010 458

[126-01] - HAZMAT - Unit Of Measure Code

858 Mapping: 2 170 LH101 355

DoD Code	X12 Code	DoD Definition	L010 Value [117.1]	LH101 Value [126.01]
AB	**MSV**	**MSCVAN**	AA,AB,AC,AD ,AE,AF,AI,AM ,AN,AP,AT,A U,AV,AW,AZ, A3,A4,A5	CH
X12 Definition:		*MSCVAN - Military Sealift Command Van*		
BD	**BDL**	**Bundle**		BD
BE	**BAL**	**Bale**		BA
BG	**BAG**	**Bag, burlap or cloth**		BG
X12 Definition:		*Bag*		
BL	**BBL**	**Barrel**		BR
BS	**BSK**	**Basket**		BS
X12 Definition:		*Basket or hamper*		
BX	**BOX**	**Box**		BX
CA	**CAB**	**Cabinet**		
CB	**CBY**	**Carboy**		CB
CC	**CNA**	**HHG containers, wood**		CH
X12 Definition:		*Household Goods Containers*		
CL	**COL**	**Coil**		CX
CM	**CNB**	**Container, MAC-ISO, lt. wgt. 8x8x20 foot air**		CH
X12 Definition:		*Container*		
CN	**CAN**	**Can**		CN
CO	**CNT**	**Container, other than CC, CM, CU, CW, MW, MX**		CH
X12 Definition:		*Container*		
CR	**CRT**	**Crate**		CP
CS	**CAS**	**Case**		CA
CT	**CTN**	**Carton**		CT
CU	**CNC**	**Container, Navy cargo transporter**		CH
X12 Definition:		*Container*		
CW	**CND**	**Container, commercial highway lift**		CH
X12 Definition:		*Container*		

CY	**CYL**		**Cylinder**	CL
DB *X12 Definition:*	**DUF**		**Dufflebag** *Duffle Bag*	
DR	**DRM**		**Drum**	DR
EC	**CNE**		**Engine container**	CH
ED *X12 Definition:*	**CRD**		**Engine cradle or dolly** *Cradle*	
EN	**ENV**		**Envelope**	EV
FK *X12 Definition:*	**TRK**		**Footlocker (Trunk)** *Trunk and Chest*	
HA	**HPR**		**Hamper**	
KE	**KEG**		**Keg**	KE
LP	**PLL**	*	**463L Air Pallet**	PF
LS *X12 Definition:*	**LSE**		**Loose, not packed** *Loose*	
MW *X12 Definition:*	**CNF**		**Multiwall container secured to warehouse plt** *Multiwall Container Secured to Warehouse Pallet*	CH
MX *X12 Definition:*	**MXD**		**Mixed** *Mixed Type Pack*	
PC *X12 Definition:*	**PCS**		**Piece** *Pieces*	PC
PL	**PAL**		**Pail**	PA
PT *X12 Definition:*	**PLT**		**Palletized unit load other than code MW** *Pallet*	PL
RL	**REL**		**Reel**	RE
RO	**ROL**		**Roll**	RL
RT *X12 Definition:*	**WHE**		**RORO (roll-off, roll-on)** *On Own Wheel*	
SA *X12 Definition:*	**SAK**		**Sack, paper** *Sack*	SJ
SB *X12 Definition:*	**SKE**		**Skid, box** *Skid*	
SD	**SKD**		**Skid**	SV
SH	**SHT**		**Sheet**	SH
SL	**SPL**		**Spool**	SO
SW	**SCS**		**Suitcase**	
TB	**TUB**		**Tub**	
TC	**TKR**		**Tank Car**	TK
TK	**TRU**		**Truck**	TK
TT	**TKT**		**Tank Truck**	TK
TU	**TBE**		**Tube**	TB

UX	**UNT**	**Unitized (use RT for unitized cargo on RORO)**		
X12 Definition:		*Unit*		
VC	**VPK**	**Van chassis**		
X12 Definition:		*Van Pack*		
VE	**VEH**	**Vehicle**	NV	
VO	**VOC**	**Vehicle in Operating Condition**		ZZ
VS	**TBN**	**SEAVAN - TOTE**	TE	
X12 Definition:		*Tote Bin*		
WR	**WRP**	**Wrapped**		WR
X1	**CNX**	**CONEX (Gov't owned container)**	X0-X9	CH
X12 Definition:		*CONEX - Container Express*		
YB	**MLV**	**MILVAN**	YA,YB,YC,YD ,YE,YF,YL,YM ,YN,YP,YT,Y U,YV,YW,YZ, Y3,Y4,Y5	CH
X12 Definition:		*MILVAN - Military Van*		
ZB	**SVN**	**SEAVAN**	ZA,ZB,ZC,ZD ,ZE,ZF,ZL,ZM ,ZN,ZP,ZT,Z U,ZV,ZW,ZZ. Z3,Z4,Z5	CH
X12 Definition:		*SEAVAN - Sea Van*		

* Migration Code

131-05 -- HAZMAT- Metric Measurement Code

Data Value- Definition
2C - Roentgen
20- Kilobecquerel
2R- Kilocurie
2Y- Milliroentgen
40- Milliliter per Second
40- Curie
4N- Megabecquerel
G2- U.S. Gallons Per Minute
GA- Gallon
GM- Grams per Sq. Meter
GR- Gram
HG- Hectogram
KG- Kilogram
KR - Kiloroentgen
LT- Liter
M5- Microcurie
MC - Microgram
ME- Milligram
MG- Metric Gross Ton
ML- Milliliter
MP - Metric Ton
MU - Millicurie
PN - Pounds Net
R2 - Becquerel

141-01 -- Breakdown Structure Detail Code

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 Subline
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

154-03 -- Hierarchical Level Code

Data Value - Definition
1 - Service/Billing Provider
19 - Provider of Service
2 - Billing Arrangement
20 - Information Source
21 - Information Receiver
22 - Subscriber
23 - Dependent
24 - Supergroup
25 - Subgroup
26 - Member
27 - Ancillary Facility or Department
28 - Hospital
29 - Franchisor
2A - Branch
2B - Direct Affiliate
2C - Director
2D - Headquarters
2E - Indirect Affiliate
2F - Management Antecedents
2G - Management or Principal
2H - Parent Company
2I - Stockholder
2J - Subsidiary
2K - Ultimate Domestic Parent Company
2L - Ultimate Parent Company
3 - Sub-Billing Arrangement
30 - Franchisee
31 - Franchisee Association
32 - Health Industry Business Communications Council (HIBCC) Health Industry Number (HIN) Database
33 - Activity
34 - Location Record
35 - Company/Corporation
36 - Operating Unit
37 - Property
38 - Tradename
39 - Accountant
4 - Group
40 - Financial Institution
41 - Product Level
42 - Activity Details
43 - Payment Summary Score
44 - Corporate Registration Filings
45 - Bankruptcy Details
46 - Company History
47 - Complete Financial History
48 - Balance Sheet
49 - Comparative Figures
5 - Category
50 - Payment Analysis
51 - Special Notification
52 - Public Record Financing Details
53 - Public Record Financing Summary
54 - Public Record Claim Details
55 - Public Record Claim Summary
56 - Statement of Work
57 - Legal Action Details
58 - Legal Action Summary
59 - Company Evaluation
6 - Sub-Category
60 - Company Summary
61 - Credit Scores
62 - Industry Averages
7 - Type
8 - Charge Detail
9 - Line Detail
A - Assembly
AD - Administrative Information
AG - Agent
AL - Alternate Specification - Lift Level
AP - Credential Action
AS - Animal Subject Group
B - Buyer's Location
BD - Building
BE - Business Entity
BP - Body Part
C - Date
CB - Contractholder Branch Office
CC - Cost Center

154-03 -- Hierarchical Level Code (CONT)

Data Value - Definition
CE - Cost Element CH - Contractholder CI - Cause of Injury CL - Claimant CN - Container CO - Consortium CT - Cost Type D - Product Description DG - Drawing DP - Department E - Transportation Equipment ED - Engineering Data List EL - Exhibit Line Item EM - Employer EV - Event EX - Exception F - Component FC - Function Code FG - Functional Group FI - Financial Information FL - Fleet FR - Frame G - Quality Characteristics GC - Group Coverage Options GP - Group Purchasing Organization GW - Group Work Candidate H - Bill of Materials I - Item IA - Subline Item IB - Contract IC - Contract Data Requirements List (CDRL) IN - Interchange J - Part Characteristic JU - Jurisdiction K - Kit L - Supplier's Location M - Measurement ML - Manufacturing Level NI - Nature of Injury NS - National Stock Number O - Order OS - Support P - Pack PA - Primary Administrator PB - Personal Property PC - Project Code PD - Procedure PH - Product Characteristic PL - Primary Specification - Lift Level PP - Related Parties PR - Principal PS - Property Segment Group PT - Patient PY - Payment Detail Q - Subpack R - Quantity RA - Reporting Agency RB - Response RC - Response Details RD - Response Sub-details RE - Response Particular RF - Medication RM - Room RP - Report S - Shipment SA - Secondary Administrator SB - Substitute SC - Subcontract Line Item SD - Support Document SE - Subexhibit Line Item SH - Sheet SI - Source of Injury SL - Solicitation SP - Sub-Project SR - Subroom SS - Services SY - System T - Shipping Tare

154-03 --HierarchicalLevel Code (CONT)

f!Data Value- Definition
Tl- Technical Information Package
TS- Transaction Set
U- Subassembly
UT- Unit or Lot
V- Address Information
W- Transaction Reference Number
WB- Work Breakdown Structure
WC- Work Candidate
WL-Well
WP- Well Completion
WR- Wellbore
X- Serial Number
Y- Suffix
ZZ- Mutually Defined

[185-03] - Freight Rate Qualifier

858 Mapping: 2 150 L103 122

X12 Code	DoD Definition
AV	Ad Valorum (Per Cent of Value)
BR *X12 Definition:*	Per Barrel (pipeline/barge only) *Per Barrel*
CW	Per Hundred Weight
DH *	Per Hundred Dollars
DR	Per Dromedary Service Shipment
DS	Per Hundredweight Per Mile Per Dromedary Service Shipment
DV *X12 Definition:*	Per Day Per Vehicle (Rail Car) *Per Day Per Vehicle*
ER	Per Each Request
FC	Flat Charge
FR	Flat Rate
FT	Per Foot
HD	Per Hundredweight Per Dromedary Service Shipment
HM	Rate Per Hundred Weight Per Mile
HX	Hundredweight Per Day
IN	Per Inch
MA	Minimum Per Service
MB	Per Mile per Service
MC	Minimum Per Car
MH	Per Man Per Hour
MN	Minimum
MP	Maximum Per Shipment
MS	Minimum Per Shipment
MV	Per Mile Per Vehicle (Rail Car) Moved
MW	Minimum Per Vehicle
ND	Minimum Per Driver
NM	Per Mile Per Person
NP	Minimum Per Day Per Person
NV	Minimum Per Day Per Vehicle
P1	Per Advancement
PA	Per Container
PC	Per Car
PD	Per Day

PG	**Per Gallon**
PH *X12 Definition:*	**Per Hundred of Basic Unit** *Per Hundred (of Basic Unit)*
PI *X12 Definition:*	**Hourly Rate Per Vehicle (rail car)** *Hourly Rate Per Vehicle*
PM	**Per Mile**
PN *X12 Definition:*	**Per Night (per person)** *Per Night*
PP	**Per Piece**
PR	**Per Hour**
PS	**Per Shipment**
PV	**Per Vehicle**
PW	**Percentage of Charges**
PY	**Per Gallon Per Mile**
RL	**Per Relocation**
SP	**Per Stop**
ST	**Per Short Ton**
VA	**Per Vehicle Moved**
VH	**Per Vehicle Used Per**
VR	**Rail Car Used Per**
VT	**Mile Per Vehicle**
VU	**Per Mile Per Vehicle (Rail Car) Used**
VV	**Per Vehicle Per State**
XP	**Maximum Per Person**

* Migration Code

[188-02] - Reason (Not Lowest Cost)

858 Mapping: 2 100 N902 127

DoD Code	DoD Definition
1	Traffic distribution
10	Contract requires specific requested mode
11	FOB contractor plant not on a private siding
12	Low cost carrier not used to prevent double handling
13	Low cost carrier not used in order to use carrier on site
14	Disability cost at origin offsets lower air taxi cost
15	Disability cost at destination offsets lower air taxi cost
16	Low cost carrier unable to meet service requirements
17	Low cost carrier in nonuse status
18	Low cost carrier unable to meet DDD/RDD
2	Excusable refusal
3	Disability cost at origin offsets lower rail cost
4	Disability cost at destination offsets lower rail cost
5	Origin and destination disability costs offset rail costs
6	Shipping/receiving facility unable to accommodate rail service
7	Shipping/receiving facility unable to accommodate motor service
8	Lower cost rail service unavailable due to strike
9	Lower cost motor service unavailable due to strike
A	Failure to pick up at origin as scheduled
AA	Carrier qualification noncompliance
AB	Drug/alcohol/firearm abuse
B	Improper or inadequate equipment
C	Shipment refusal
D	Didn't pick up shipment, inadequate equipment, shipment refusal
E	Failure to provide protective service
F	Failure to provide signature and tally record
G	Time-in-transit
H	Mishandling freight
I	Loss or damage
J	Improper routing
K	Use of bad language, offensive conduct
L	Equipment, facility, personnel failure to meet Gov’t safety standards
M	Nonpayment of just debts; delay, seizure, or detention of Gov’t shipment

N	Expired carrier exemption, permits, or authorization (F/S/L)
O	Failure to meet required insurance coverage and/or provide required administrative documents
P	Failure to settle claims promptly
Q	Insufficient financial responsibility
R	Violations of federal statutes and executive orders
S	Failure to comply with DOT, ICC, FAA, DoD regulations (F.S)
T	An indictment/conviction for commission of a criminal offense
U	Indictment/conviction under organized crime act 1970
V	Inclusion of comptroller general, part 5 section 56B dol
W	A finding by Dir. Office of Federal Contracts
X	Bankruptcy
Y	Ceased operations or out of business
Z	No longer interested in DoD traffic

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Section 9.0

ADDITIONAL INFORMATION FOR THE DEVELOPER

This section describes logic for bill of lading data groups. It also presents a tutorial on shipment stop scenarios.

Looping Logic for Bill of Lading Data Groups

This section contains added explanation of data groups 60, 80, 100, 120, and 190. Some examples are included for clarification.

DATA GROUP 60 - EQUIPMENT INFORMATION

This section offers four examples of bill of lading equipment configurations.

- Primary equipment (DROM) on secondary equipment (railcar)
- Government owned vehicles on primary equipment (railcar)
- Primary equipment (motor van)
- Primary equipment (motor van) and primary equipment (DROMs) on secondary equipment (flatbed)

Terms

Before examining the examples, the developer needs to be familiar with the following terms:

- *Shipper Equipment/Vehicles* - Equipment/vehicle(s) supplied/owned by the shipper to include DROMs, containers, and vehicles. This equipment is usually conveyed using primary equipment.
- *Primary Equipment* - Equipment ordered by the shipper from the carrier. This equipment or its equivalent is furnished by the carrier and used in the transportation of the shipment. The shipper pays only for the primary equipment ordered.
- *Secondary Equipment* - Equipment furnished by the carrier in addition to primary equipment. Generally, this equipment is used to convey the primary equipment. The shipper incurs no cost for the use of secondary equipment. (Example: a rail car used to convey shipper ordered containers)

CONFIGURATION 1 - PRIMARY EQUIPMENT (DROM) ON SECONDARY EQUIPMENT (RAILCAR)

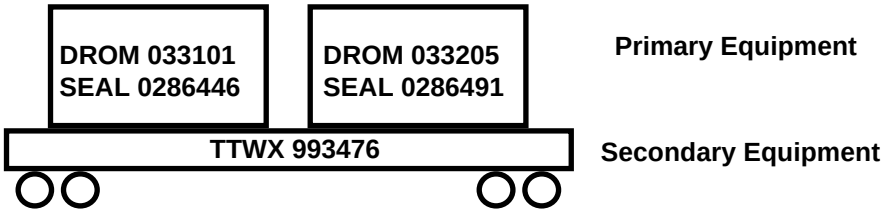


Table 9.1 - Mapping and Example Data for Equipment Configuration 1

Data Name	Mapping	Prime Eq. 1	Prime Eq. 2	Prime Eq. 3
Primary Furnished (Header & HL~100)				
Initials	N701	DROM	DROM	
Numbers	N702	033101	033205	
Cube	N708	155	155	
Cube Qual.	N709	E	E	
Length	N715			
Equip. Type	N722	AD2x	AD2x	
Secondary Furnished (Header)				
Initials	NA03	TTWX	TTWX	
Numbers	NA04	993476	993476	
Seals (Header)				
Number	M701-04	0286446	0286491	
Applied By	M705	SH	SH	
Primary Ordered (Header)				
Length	N501			
Weight Cap.	N502			
Cube Cap.	N503	132	132	
Equip. Type	N504	AD1x	AD1x	
Government Owned Equip. (HL~100)				
Vehicle Identifier	NA01-04			
Container/DROM Initials	NA03			
Numbers	NA04			
Seal No.	M701-04			
Seal Applied	M705			

Configuration 1 Example

- HEADER AREA

N7~DROM~033101~~~~~~155~E~~~~~~~~~~~~~~AD2x n/l	Primary 1 furnished
NA~~~TTWX~993476 n/l	Secondary
M7~0286446~~~~SH n/l	Primary seals
N5~~~132~AD1x n/l	Primary ordered
N7~DROM~033205~~~~~~155~E~~~~~~~~~~~~~~	
AD2x n/l	Primary 2 furnished
NA~~~TTWX~993476 n/l	Secondary
M7~0286491~~~~SH n/l	Primary seals
N5~~~132~AD1x n/l	Primary ordered

- DETAIL AREA

HL~100~I n/l	
N7~DROM~033101 n/l	Primary 1 visibility
L5~ ... n/l	
HL~100~I n/l	
N7~DROM~033205 n/l	Primary 2 visibility
L5~ ... n/l	

CONFIGURATION 2 - GOVERNMENT OWNED VEHICLES ON PRIMARY EQUIPMENT (RAILCAR)

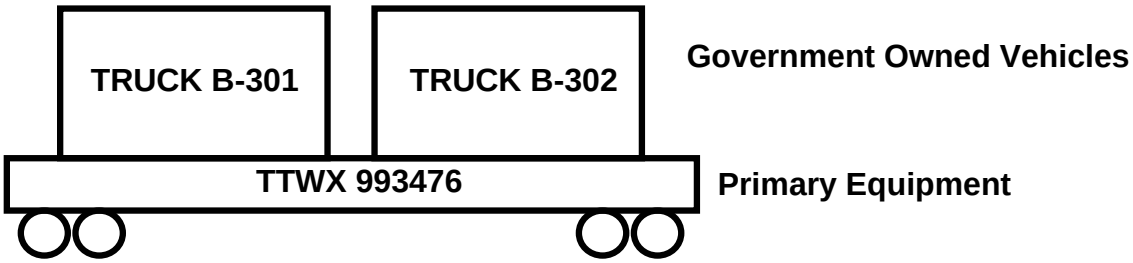


Table 9.2 - Mapping and Example Data for Equipment Configuration 2

Data Name	**Mapping**	**Prime Eq. 1**	**Prime Eq. 2**	**Prime Eq. 3**
Primary Furnished (Header & HL~100)				
Initials	N701	TTWX		
Numbers	N702	993476		
Cube	N708			
Cube Qual.	N709			
Length	N715	08904		
Equip. Type	N722	KF2x		
Initials	NA03			
Numbers	NA04			
Seals on Primary (Header)				
Number	M701-04			
Applied By	M705			
Primary Ordered (Header)				
Length	N501	08904		
Weight Cap.	N502	149000		
Cube Cap.	N503			
Equip. Type	N504	KF2x		
Government Owned Equip. (HL~100)				
Vehicle Id Qualifier	NA01	VT	VT	
Vehicle VIN or filler	NA02	VIN	VIN	
Vehicle Type Qualifier	NA03	NONX	NONX	
Vehicle Bumper No.	NA04	B-301	B-302	
Container/DROM				
Initials	NA03			
Numbers	NA04			
Seal No.	M701-04			
Seal Applied	M705			

Configuration 2 Example

- HEADER AREA

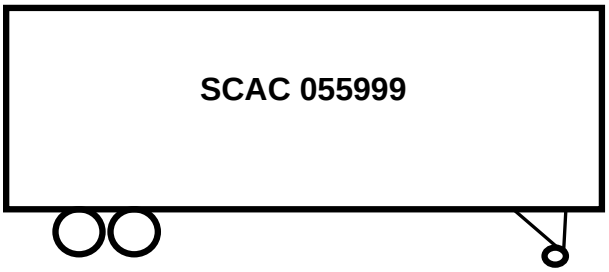
N7~TTWX~993476~~~~~~~~~~~~~~08904~~~~~~~

KF2x n/l	Primary 1 furnished
N5~08904~149000~~KF2x n/l	Primary ordered

- DETAIL AREA

HL~100~I n/l	
N7~TTWX~993476 n/l	Primary 1 visibility
NA~VT~VIN~NONX~B-301 n/l	Gov't owned vehicle
L5~ ... n/l	
HL~100~I n/l	
N7~TTWX~993476 n/l	Primary 1 visibility
NA~VT~VIN~NONX~B-302 n/l	Gov't owned vehicle
L5~ ... n/l	

CONFIGURATION 3 - PRIMARY EQUIPMENT (MOTOR VAN)



Primary Equipment

Table 9.3 - Mapping and Example Data for Equipment Configuration 3

Data Name	Mapping	Prime Eq. 1	Prime Eq. 2	Prime Eq. 3
Primary Furnished (Header & HL~100)				
Initials	N701	SCAC		
Numbers	N702	055999		
Cube	N708			
Cube Qual.	N709			
Length	N715	04500		
Equip. Type	N722	AV3x		
Secondary Furnished (Header)				
Initials	NA03			
Numbers	NA04			
Seals on Primary (Header)				
Number	M701-04			
Applied By	M705			
Primary Ordered (Header)				
Length	N501	04000		
Weight Cap.	N502	40000		
Cube Cap.	N503			
Equip. Type	N504	AV2		
Government Owned Equip. (HL~100)				
Vehicle Info	NA01-04			
Container/DROM				
Initials	NA03			
Numbers	NA04			
Seal No.	M701-04			
Seal Applied	M705			

Configuration 3 Example

- HEADER AREA

N7~SCAC~055999~~~~~~~~~~~~~~04500~~~~~~~

AV3x n/l	Primary Equipment Furnished
NA~~~TTWX~993476 n/l	Secondary Equipment Furnished
N5~04000~40000~~AV2x n/l	Primary Equipment Ordered

- DETAIL AREA

HL~100~I n/l

No visibility needed for this configuration

N7~SCAC~05599 n/l

L5~ ... n/l

CONFIGURATION 4 - PRIMARY (MOTOR VAN) AND PRIMARY (DROM) ON SECONDARY (FLATBED)

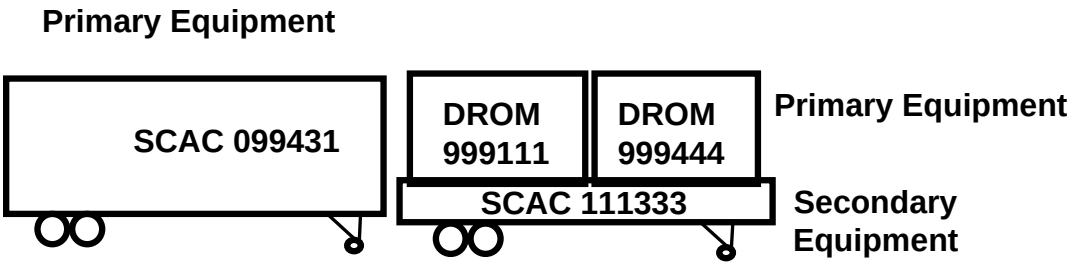


Table 9.4 - Mapping and Example Data for Equipment Configuration 4

Data Name	Mapping	Prime	Prime	Prime
		1	2	3
Primary Furnished (Header & HL~100)				
Initials	N701	SCAC	DROM	DROM
Numbers	N702	099431	999111	999444
Cube	N708		132	132
Cube Qual.	N709		E	E
Length	N715	04000		
Equip. Type	N722	AV2x	AD1x	AD1x
Secondary Furnished (Header)				
Initials	NA03		SCAC	SCAC
Numbers	NA04		111333	111333
Seals on Primary (Header)				
Number	M701-04		222222	333333
Applied By	M705		SH	SH
Primary Ordered (Header)				
Length	N501	04000		
Weight Cap.	N502	40000		
Cube Cap.	N503		132	132
Equip. Type	N504	AV2x	AD1x	AD1x
Government Owned Equip. (HL~100)				
Vehicle Info	NA01-04			
Container/DROM				
Initials	NA03			
Numbers	NA04			
Seal No.	M701-04			
Seal Applied	M705			

Configuration 4 Example

- HEADER AREA

N7~SCAC~099431~~~~~~~~~~~~~~04000~~~~~~~~AV2x n/l	Primary 1 furnished
N5~04000~40000~~AV2x n/l	Primary ordered
N7~DROM~999111~~~~~~132~E~~~~~~~~~~~~~~AD1x n/l	Primary 2 furnished
NA~~~SCAC~111333 n/l	Secondary
M7~222222~~~~SH n/l	Primary seals
N5~~~132~AD1x n/l	Primary ordered
N7~DROM~999444~~~~~~132~E~~~~~~~~~~~~~~AD1x n/l	Primary 3 furnished
NA~~~SCAC~111333 n/l	Secondary
M7~333333~~~~~SH n/l	Primary seals
N5~~~132~AD1x n/l	Primary ordered

- DETAIL AREA

HL~100~I n/l	
N7~SCAC~099431 n/l	Primary 1 visibility
L5~ ... n/l	
HL~100~I n/l	
N7~DROM~999111 n/l	Primary 2 visibility
L5~ ... n/l	
HL~100~I n/l	
N7~DROM~999444 n/l	Primary 3 visibility
L5~ ... n/l	

DATA GROUP 80 - STOP INFORMATION

The S5 stop loop of the 858 is used for any pickup or delivery performed between the origin and destination points. This includes split pickup and delivery points that share the same Standard Point Location Code as the origin and/or destination point. The origin address does not occur in the S5 stop loop. The stop sequence number that appears in the S5 segment must also appear with corresponding line items in the N9 segment within the HL 100 loop. Further examples of DLA stop-off scenarios can be found in Section 6.0.

- HEADER AREA

N1~SF~Ship from name n/l	Origin
N4~Charleston~SC~294087000~~SL~447178 n/l	Origin SPLC
N1~ST~Ship to name n/l	Destination
N4~Jacksonville~FL~32218000~~SL~491200 n/l	Destination SPLC
S5~1~LD~~~~~~~~~447178000 n/l	Stop sequence number and SPLC for split pickup at origin
N1~LP~Loading party name n/l	
S5~2~LD~~~~~~~~~447100000 n/l	Stop sequence number and SPLC for stop to load
N1~LP~Loading party name n/l	
S5~3~UL~~~~~~~~~447220000 n/l	Stop sequence number and SPLC for stop to unload
N1~UP~Unloading party name n/l	
S5~4~UL~~~~~~~~~491200000 n/l	Stop sequence number and SPLC for split delivery at destination
N1~UP~Unloading party name n/l	

- DETAIL AREA

HL~100~I n/l	
N9~QN~1 n/l	
	Cross reference of line item to stop sequence number 1
L5~... n/l	Commodity description
L0~... n/l	Commodity quantity
HL~100~I n/l	
N9~QN~2 n/l	Cross reference of line item to stop sequence number 2
L5~... n/l	Commodity description
L0~... n/l	Commodity quantity
HL~100~I n/l	
N9~QN~3 n/l	Cross reference of line item to stop sequence number 3
L5~... n/l	Commodity description

L0~... n/l	Commodity quantity
HL~100~I n/l	
N9~QN~4 n/l	Cross reference of line item to stop sequence number 4
L5~... n/l	Commodity description
L0~... n/l	Commodity quantity
HL~100~I n/l	Delivered at destination
L5~... n/l	Commodity description
L0~... n/l	Commodity quantity
HL~100~I n/l	Delivered at destination
L5~... n/l	Commodity description
L0~... n/l	Commodity quantity
HL~100~I n/l	Delivered at destination
L5~... n/l	Commodity description
L0~... n/l	Commodity quantity
HL~300~SS	Accessorial Service Loop for Stop Offs
N9~QN~1	Stop sequence from S5
L0~300	
L1~~~SP~5000~~~~SPU~~~~447178000	Charge, stop (SOC) service, and SPLC
HL~300~SS	
N9~QN~2	Stop sequence from S5
L0~300	
L1~~~~5000~~~~SOC~~~~447100000	Charge, stop (SOC) service, and SPLC
HL~300~SS	
N9~QN~3	Stop sequence from S5
L0~300	
L1~~~~5000~~~~SOC~~~~447220000	Charge, stop (SOC) service, and SPLC
HL~300~SS	
N9~QN~4	Stop sequence from S5
L0~300	
L1~~~SP~5000~~~~SPU~~~~491200000	Charge, stop (SOC) service, and SPLC

DATA GROUP 100 - COMMODITY HEADER INFORMATION

DATA GROUP 120 - COMMODITY DETAIL INFORMATION

A commodity is a single type of product or material. A line item on a transportation bill can describe a single commodity. There may be multiple subpacks of the commodity within the line item. There may be many line items of the same commodity.

The data group 100 - Commodity Header Information is described within the HL 100 Detail - Line Item Description Loop. When constructing this loop, one rule must be followed: A line item (HL 100 loop) can describe a single commodity only, however, that commodity can occur across multiple line items (HL 100 loops).

The data group 120 - Commodity Detail Information is described in the L0 loop of the HL 100 loop. An L0 segment should occur for every subpack of the line item. If a pallet and a box move under the same line item, they are described in separate L0 loops. Two rules must be followed when constructing an L0 segment.

1) If the commodity quantity is expressed as weight, it appears in the L002 and L003 elements. The L004, L005, and L011 elements should not be used.

2) If the commodity quantity is expressed in units other than weight, those units also appear in the L002 and L003 elements. The L004, L005, and L011 elements are used to carry the weight information if required in addition to the quantity units.

DATA GROUP 190 - HAZMAT INFORMATION

The data group 190 - HAZMAT Information, if applicable, appears once for each HL 100 loop in the LH1 loop. Sometimes special instructions appear on the GBL cover page. Those instructions should be grouped in the LH1 loop under the first occurrence of the HL 100 loop. The line item specific instructions should be grouped in the LH1 loop with their corresponding commodity. If a line item requires a HAZMAT indicator only, it is carried in the LH1 segment and no other LH segments are used.

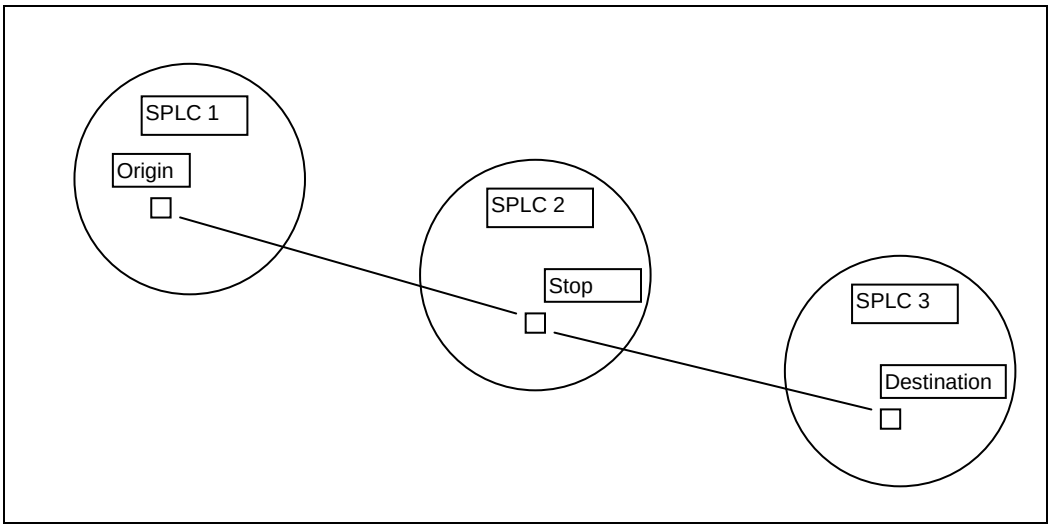
Shipment Stop Scenarios

MSDDC Tailored Transportation Contract Traffic rules publications identify three types of stops that may occur during a shipment: Stops (SOC), split pickups/deliveries (SPU, SDL), and objective service supply deliveries (DIS). The DoD needs visibility of these shipments and DFAS needs to pay for the associated accessorial services. Consequently, the DTEB Stop-off Work Group examined the functional requirement and developed the following three stop-off scenarios and accompanying EDI examples. DLA and other users of Tailored Transportation Contract Traffic agreements should use the following scenarios to build EDI transactions that are compliant with DTEB conventions.

STOP (SOC)

The SPLC of a stop is always different from the origin and destination SPLC. Figure 9.1 calls for one S5 loop for SPLC 2.

Figure 9.1 Stops



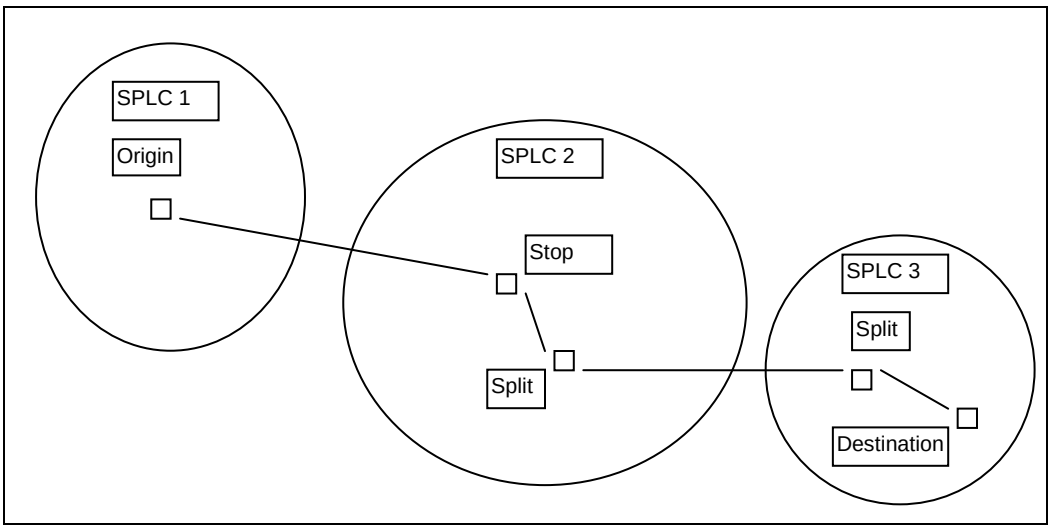
EXAMPLE: (NOTE: THE TILDE "~" CHARACTER SERVES AS THE DATA ELEMENT DELIMITERS IN THE FOLLOWING EXAMPLES.)

ST	
.	
S5~1~UL~~~~~~~~SPLC2	Stop unload
.	
HL~100~I	Line 1 at stop 1
N9~QN~1	
.	
HL~300~SS	
N9~QN~1	Stop sequence from S5
L0~300	
L1~~~~5000~~~~SOC	Charge, stop (SOC) service, and SPLC
.	
SE	

SPLIT STOPS (SPU, SDL)

Split stops occur after an accessorial "stop-off" and happen within the same SPLC location. Figure 9.2 Illustrates a split delivery at SPLC 2 and a split delivery at SPLC 3. This example calls for three S5 loops.

Figure 9.2 Split Stops



EDI X12 EXAMPLE:

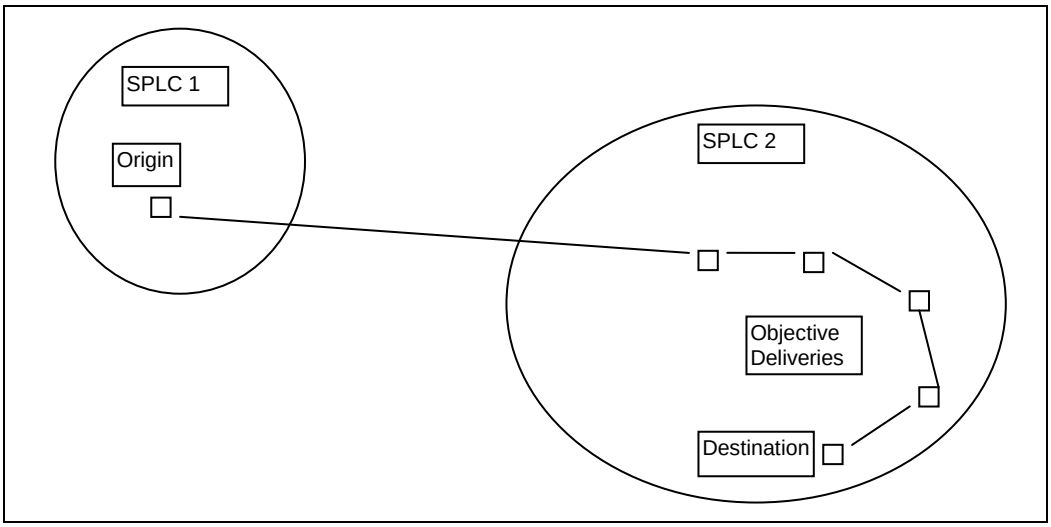
```
ST
.
S5~1~UL~~~~~~~~SPLC2          Stop unload
S5~2~UL~~~~~~~~SPLC2          Split unload
S5~3~UL~~~~~~~~SPLC3          Split unload
.
HL~100~I                      Line 1 at stop 1
N9~QN~1
HL~100~I                      Line 2 at split
N9~QN~2
HL~100~I                      Line 3 at split
N9~QN~3
.
HL~300~SS
N9~QN~1                       Stop sequence from S5
L0~300
L1~~~~5000~~~~SOC~~~~SPLC2    Charge, service, and SPLC

HL~300~SS
L0~300~2~SP                   Quantity of accessorial service units
L1~~SP~5000~100.00~~~~SDL     Rate and charge for two split deliveries (SDLs)
SE
```

OBJECTIVE SERVICE SUPPLY DELIVERIES

Objective Service Supply Deliveries occur before the final delivery at the destination SPLC location. This example calls for four S5 loops. Figure 9.3 illustrates this scenario.

Figure 9.3 Objective Service Supply Deliveries



EXAMPLE:

```
ST
.
S5~1~UL~~~~~~~~SPLC2                    Objective unload
S5~2~UL~~~~~~~~SPLC2                    Objective unload
S5~3~UL~~~~~~~~SPLC2                    Objective unload
S5~4~UL~~~~~~~~SPLC2                    Objective unload
.
HL~100~I                                Line 1 at objective 1
N9~QN~1
HL~100~I                                Line 2 at objective 1
N9~QN~2
HL~100~I                                Line 3 at objective 1
N9~QN~3
HL~100~I                                Line 4 at objective 1
N9~QN~4
.
HL~300~SS
L0~300~4~SP                     Quantity of accessorial service units
L1~~{qualifier}~5000~200.00~~~~DIS      Rate and charge for four DIS deliveries
.
SE
```

SPECIAL CASES

Split Stops

Expressing costs for split pickup and delivery varies between shipments costed using voluntary tenders and Tailored Transportation Contract traffic tenders.

- Voluntary Tenders

Load and unload actions are identified using code SPU.

- Tailored Transportation Contract Traffic Tenders

Load actions are identified using code SPU.
Unload actions are identified using code SDL.

Intransit pickup and delivery

If a line item is picked up at a stop location and delivered at another stop location, the HL~100 describing the line item must contain two N9 segments. The first N9 segment describes the pickup stop sequence number. The second N9 describes the delivery stop sequence number.

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