



Department
of
Defense

DoD
Transportation
Electronic Business
(DTEB) Convention

ASC X12 Transaction Set 219
Logistics Service Request
(Version 004010) – 3rd Party
Logistics Transportation Service
Request

VERSION 12

November 2018



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of
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Electronic Business
(DTEB) Convention

ASC X12 Transaction Set 219
Logistics Service Request
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Section 1.0

INTRODUCTION

This implementation convention (IC) describes the standard or convention that Department of Defense shippers will use to generate requests for transportation services in support of the Defense Freight Transportation Services (DFTS) program. The copyright on the ASC X12 standards is held by the Data Interchange Standards Association on behalf of ASC X12.

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

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

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

https://its.ustranscom.mil/cris/dteb/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. It is presented in the standard publishing format prescribed by the Defense Information Systems Agency (DISA).
- 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.

What's New In Version 12

Added in Version 12

DM Number	DM Description	Approval Date
1294	Add an instance of the L11 segment at index 26. Include the L1101 and L1102 segments. In the L1102 segment, use the 'ZZ' qualifier with a DOD definition of "Stackable Flag". The L1101 will store the value "STACKABLE". "STACKABLE" is to be used when a shipment is arranged, crated, packaged, or designed physically so that it can be placed on top or below other shipments to optimize space and without causing damage to equipment, other shipments, or shipment contents. If a line item is not stackable, then the L11 segment at index 26 would not be passed.	10/31/2018

Added in Version 11

DM Number	DM Description	Approval Date
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1291	To accommodate the DFTS contract, additional equipment type codes are needed in the 219D. In section 3, Segment N7, Ref Des. N722, DE 24, at index 13-22, request the addition of the following equipment type codes.	10/9/2018
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- AQ3 – Removable Gooseneck, 3 Axles
- AQ4 – Removable Gooseneck, 4 Axles
- AQ5 – Removable Gooseneck, 5 Axles
- AQ6 – Removable Gooseneck, 6 Axles
- AQ7 – Removable Gooseneck, 7 Axles
- AQ8 – Removable Gooseneck, 8 Axles
- AQ9 – Removable Gooseneck, 9 Axles
- AQ0 – Removable Gooseneck, 10 Axles and Over
- AW2 – Expandable Removable Gooseneck, 2 Axles
- AW3 – Expandable Removable Gooseneck, 3 Axles
- AW4 – Expandable Removable Gooseneck, 4 Axles
- AW5 – Expandable Removable Gooseneck, 5 Axles
- AW6 – Expandable Removable Gooseneck, 6 Axles
- AW7 – Expandable Removable Gooseneck, 7 Axles
- AW8 – Expandable Removable Gooseneck, 8 Axles
- AW9 – Expandable Removable Gooseneck, 9 Axles
- AW0 – Expandable Removable Gooseneck, 10 Axles and Over
- AX2 – Jig Trailer, 2 Axles
- AX3 – Jig Trailer, 3 Axles
- AX4 – Jig Trailer, 4 Axles
- AX5 – Jig Trailer, 5 Axles
- AX6 – Jig Trailer, 6 Axles
- AX7 – Jig Trailer, 7 Axles
- AX8 – Jig Trailer, 8 Axles
- AX9 – Jig Trailer, 9 Axles
- AX0 – Jig Trailer, 10 Axles and Over
- A18 – Propeller Trailer

Added in Version 10

DM Number	DM Description	Approval Date
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1274	Add code "A2" Military Assistance Program Address Code (MAPAC) to N103 Data Element 66 at Index 16-03 and 31-03	3/6/2018
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Added in Version 9

DM Number	DM Description	Approval Date
1282	Please remove the following X12 codes in Section 6 tables for L901 DE 150 at index 11-01: REP - Residential Pick-up - Air, Motor, Misc RES - Residential Delivery- Air, Motor, Mic	5/15/2018
1272	Change L11 segment at index 7 as follows: L11 - Use this segment to indicate Time Definite Service Level (TDSL) 1, 2, or 3 Day request. L1101 = TDSL Indicator - Make L1101 a TDSL indicator, "F" if it is not a TDSL shipment, or a "1", "2", or "3" if the 219D is a TDSL request. L1102 = TDSL Flag Qualifier Code: TD = Reason For Change (Reassign this code to represent TDSL Flag instead of Reason For Change)	2/13/2018

Added in Version 8

DM Number	DM Description	Approval Date
1269	To accommodate the DFTS contract, additional accessorial codes are needed in the 219D. In the ITA13 DE 352 at index 6-13, request to add the following X12 Codes: X12 Code - X12 Description - Section 6 segment(s) DSC - Discount - Rail, Air, Motor, Misc FCB - Freight Charge to Border - Rail, Air, Motor, Misc LFT - Lift Gate (Truck) or Forklift Service at Pick-Up/Delivery - Air, Motor, Misc LHS - Linehaul Service - Motor REP - Residential Pick-up - Air, Motor, Misc RES - Residential Delivery - Air, Motor, Misc	12/26/2017

Added in Version 7

DM Number	DM Description	Approval Date
1267	<p>Add additional L11 segment at index 6 as follows:</p> <p>L11 - Use this segment to indicate Time Definite Service Level (TDSL) Flag.</p> <p>L1101 = TDSL Flag</p> <p>- Make L1101 a True/False flag indicating whether the 219D is a TDSL request</p> <p>L1102 = TDSL Flag Qualifier</p> <p>Code: TD = Reason For Change (Reassign this code to represent TDSL Flag instead of Reason For Change)</p>	11/29/2017
1266	<p>AMT (at both index 21 an 35)</p> <p>Set AMT segment to Conditional, with segment condition of "Use AMT segment to provide a declared value of the line item"</p> <p>AMT01 (Declared Value Code) and AMT02 (Declared Value) are Mandatory, AMT03 is not used.</p> <p>Add code "1" (Definition: Line Item Total) to the AMT01 code list.</p>	11/27/2017
1265	<p>Add additional L11 segment at index 6 with Condition "Use this segment to indicate the Original Offer Number is this 219D is being resubmitted."</p> <p>Set L1101 to contain the Original Offer Number, Field limits are 12 to 18 characters.</p> <p>Set L1102 to contain the Original Offer Number Qualifier</p> <p>Add code 'F8' (x12 definition Original Reference Number) with a DOD definition of "Original Offer Number"</p>	11/27/2017
1263	<p>* Change MS3 segment title to "Suggested Transportation Mode" with a Segment Condition of "Use only when recommending Transportation Mode for a TDSL segment"</p> <p>* Change MS301 description to state "Insert the SCAC of the 3rd Party Logistics (3PL) Coordinator."</p> <p>* Add the below codes to the MS304 code list</p> <ul style="list-style-type: none">- A – Air- AE – Air Express- AF – Air Freight- DW – Driveaway, Truckaway, Towaway- J – Motor, Truckload- LT – Motor, Less Than Truckload- R – Rail, Carload- X – Intermodal (Piggyback)	11/29/2017

Added in Version 6

DM Number	DM Description	Approval Date
1261	<p>Add additional L11 segment at index 5 as follows: L11 - Use this segment to indicate the Originating System for the Offer Record. L1101 = Originating System L1102 = Originating System Qualifier Code: OH = Origin House (Reassign this code to represent Originating System instead of Origin House</p>	10/27/2017

Added in Version 5

DM Number	DM Description	Approval Date
1259	<p>For the 219D, add the N405 and N406 at Index 16 and Index 30. For the N405 need to include code SL-US SPLC.</p>	10/18/2017

Added in Version 4

DM Number	DM Description	Approval Date
1253	<p>In the LH101, DE355, change the DOD implementation note to read: "Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken. Contains the code identifying the Unit of Measure (type of packaging) for which the data in LH102 is reported. See Section 6 for a list of the LH101 supported codes (cross referenced from Type Pack Code passed in the LCT02, DE211)." Use LH106 to express weight and volume for non-bulk shipments. Refer to the X12 Standard, DE355 for applicable codes. Remove the statement that reads: "If a particular element contains several valid values found in multiple tables within section six of an IC, the following entry would be made. Common code values associated with multiple definitions prevents documentation of the entire sub-set."</p> <p>In the LH106, DE355, remove all listed code values and change the DOD implementation note to read: "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. Refer to the X12 Standard, DE355 for applicable codes. Use LH101 to express type of packaging. ELEMENT CONDITION: Required if LH107 is used."</p> <p>In Section 6, table for Type Pack Code and HAZMAT - Unit of Measure Code, correct indices in the table title and the column for LH101 Values to match the applicable index in sections 3 & 4.</p>	4/10/2017

Added in Version 3

DM Number	DM Description	Approval Date
1226	In Section 6 for the N722, DE 24, at index [8-22] add the following codes under the Type of Equipment table for Motor and TOFC: AF4 == Flat bed w/Conestoga trailers 30 ft and less AF5 == Flat bed w/Conestoga trailers 31-40 ft AF6 == Flat bed w/Conestoga trailers over 40 ft	5/20/2016

1223

5/20/2016

1. In Section 6 for the ITA13, DE 352, at index [5-13] add the following code under the Accessorial / Protective Service for Air Shipments table:

Code == X12 Definition == DOD Definition
020 == Address Correction

2. Add the following code under the Accessorial / Protective Service for Motor Shipments table:

Code == X12 Definition == DOD Definition
EXD == Extra Driver

3. Add the following codes under the Accessorial Service for Rail Shipments table:

Code == X12 Definition == DOD Definition
490 == Minimum Air Transportation Charge == Crane Operator at Destination
495 == Miscellaneous - Destination == Crane at Destination
500 == Miscellaneous - Origin == Crane at Origin
505 == Missing Account NBR Charge == Crane Operator at Origin
AAM == Additional Material == Protective Material Provided for Blocking and Bracing
DPD == Drayage at Port of Debarkation == Drayage at Destination
DPE == Drayage at Port of Embarkation == Drayage at Origin
DTB == Detention (Labor) == Detention of Vehicles
FCS == Furnishing Chassis == Furnishing Chassis for COFC Shipments
LDA == Loading Allowance == Carrier to Load
LDL == Unloading Allowance == Carrier to Unload
LFD == Linehaul From Port of Debarkation == Dedicated Switch Engine Crew at Destination
LIE == Liability of Carrier Charge == Liability of Transportation Service Provider
LMD == Liner Terms at Port of Debarkation == Dedicated Switch Engine at Destination
LME == Liner Terms at Port of Embarkation == Dedicated Switch Engine at Origin
LTE == Linehaul to Port of Embarkation == Dedicated Switch Engine Crew at Origin
RCC == Reconsignment Charge == Reconsignment/Diversion
RDH == Railhead Handling == Technical Assistance for Loading Rail Cars
SRG == Storage
SRS == Surveying Routes
SUP == Supervisor Requested == Inspector Requested for Loading
TER == Terminal Handling Charges == Carrier to Unblock, Unbrace, and Untie

Added in Version 2

DM Number	DM Description	Approval Date
1208	<p>In the N104, DE 67 at index [13-04], add a usage note which reads "If DoDAAC/CAGE is unavailable, then N104 = 'XXXXXXX' and the complete clear text name and address of the origin is required in the associated N1 loop."</p> <p>In the N104, DE 67 at index [27-04], add a usage note which reads "If DoDAAC/CAGE is unavailable, then N104 = 'XXXXXXX' and the complete clear text name and address of the ship-to is required in the associated N1 loop."</p>	11/13/2015

Added in Version 1

DM Number	DM Description	Approval Date
1186	<p>Change the DOD attributes of the NTE segment at index [7] from Mandatory to Conditional. Change the segment condition note that reads: "Use this segment to indicate the rate structure requested under the DFTS contract. Use of this segment is required for all DFTS transportation service requests." to read: "SEGMENT CONDITION: Use this segment to indicate the rate structure requested under the DFTS contract. Use of this segment is required for all DFTS transportation service requests except those transported by rail."</p>	6/29/2015

Section 2.0

CONTROL SEGMENTS

Instruction

For detailed description of DoD data conventions for formatting Interchange Control and Functional Group segments for use among Defense Transportation Electronic Business (DTEB) trading partners refer to the DoD Transportation Electronic Business (DTEB) Convention, ASC X12 Control Segments (Version 004010), located at:

https://its.ustranscom.mil/cris/dteb/ic/trans_ics.cfm

[Note: To access publication, you must have an ITS account.]

Commercial Trading Partners and DoD personnel that do not hold an ITS account may view the Convention at:

<https://www.ustranscom.mil/cmd/associated/dteb/>

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Section 3.0

STANDARD IMPLEMENTATION CONVENTION

This section presents the DoD's convention for interpreting Transportation Service Request using the ASC X12.Transaction Set 219 Logistics Service Request (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 ASC 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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219 Logistics Service Request

Functional Group ID=**AB**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Logistics Service Request Transaction Set (219) for use within the context of an Electronic Data Interchange (EDI) environment. This set can be used by a shipper to transmit data to a logistics related organization to provide order detail relevant to upcoming transportation requirements.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	B9	Beginning Segment for Logistics Services	M	1		
M	030	B9A	Service Request	M	7		
	040	L11	Business Instructions and Reference Number	O	99		
	050	MS3	Interline Information	O	99		
	060	ITA	Allowance, Charge or Service	O	20		
	070	NTE	Note/Special Instruction	O	10		
LOOP ID - 1000						99	
	080	N7	Equipment Details	O	1		
Not Used	090	N7A	Accessorial Equipment Details	O	1		
Not Used	100	N7B	Additional Equipment Details	O	1		
Not Used	110	MEA	Measurements	O	1		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - 2000						99	
	010	S5	Stop-off Details	O	1		n1
Must Use	020	G62	Date/Time	O	2		
Not Used	030	L11	Business Instructions and Reference Number	O	99		
Not Used	040	ITA	Allowance, Charge or Service	O	20		
LOOP ID - 2100						1	
Must Use	050	N1	Name	O	1		
	060	N2	Additional Name Information	O	1		
Must Use	070	N3	Address Information	O	2		
Must Use	080	N4	Geographic Location	O	1		
	090	PER	Administrative Communications Contact	O	3		
LOOP ID - 2200						99	
Not Used	100	G61	Contact	O	1		n2
Not Used	110	L11	Business Instructions and Reference Number	O	10		
Not Used	120	LH6	Hazardous Certification	O	10		
LOOP ID - 2250						25	
Not Used	130	LH1	Hazardous Identification Information	O	1		
Not Used	140	LH2	Hazardous Classification Information	O	5		
Not Used	150	LH3	Hazardous Material Shipping Name	O	6		

Not Used	160	LFH	Freeform Hazardous Material Information	O	20	
Not Used	170	LEP	EPA Required Data	O	3	
Not Used	180	LH4	Canadian Dangerous Requirements	O	1	
Not Used	190	LHT	Transborder Hazardous Requirements	O	3	
LOOP ID - 2300					999	
Must Use	200	LX	Assigned Number	O	1	n3
Must Use	210	LCT	Logistics Container Tracking Information	O	1	
Not Used	220	MAN	Marks and Numbers	O	10	
Not Used	230	AT5	Bill of Lading Handling Requirements	O	6	
	240	AMT	Monetary Amount	O	1	
Not Used	250	CUR	Currency	O	1	
	260	L11	Business Instructions and Reference Number	O	10	
LOOP ID - 2350					99	
	270	G61	Contact	O	1	n4
Not Used	280	L11	Business Instructions and Reference Number	O	5	
Not Used	290	LH6	Hazardous Certification	O	6	
LOOP ID - 2355					25	
	300	LH1	Hazardous Identification Information	O	1	
	310	LH2	Hazardous Classification Information	O	4	
Not Used	320	LH3	Hazardous Material Shipping Name	O	10	
Not Used	330	LFH	Freeform Hazardous Material Information	O	20	
Not Used	340	LEP	EPA Required Data	O	3	
Not Used	350	LH4	Canadian Dangerous Requirements	O	1	
Not Used	360	LHT	Transborder Hazardous Requirements	O	3	
LOOP ID - 2370					999	
Not Used	370	LAD	Lading Detail	O	1	n5
Not Used	380	PO4	Item Physical Details	O	1	
Not Used	390	G69	Line Item Detail - Description	O	99	
Not Used	400	AT5	Bill of Lading Handling Requirements	O	6	
Not Used	410	AMT	Monetary Amount	O	1	
Not Used	420	CUR	Currency	O	1	
Not Used	430	L11	Business Instructions and Reference Number	O	10	
Not Used	440	PER	Administrative Communications Contact	O	1	
LOOP ID - 2375					99	
Not Used	450	G61	Contact	O	1	n6
Not Used	460	L11	Business Instructions and Reference Number	O	5	
Not Used	470	LH6	Hazardous Certification	O	6	
LOOP ID - 2378					25	
Not Used	480	LH1	Hazardous Identification Information	O	1	
Not Used	490	LH2	Hazardous Classification Information	O	4	
Not Used	500	LH3	Hazardous Material Shipping Name	O	10	
Not Used	510	LFH	Freeform Hazardous Material Information	O	20	
Not Used	520	LEP	EPA Required Data	O	3	
Not Used	530	LH4	Canadian Dangerous Requirements	O	1	
Not Used	540	LHT	Transborder Hazardous Requirements	O	3	

Summary:

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>	<u>Notes and</u> <u>Comments</u>
M	010	L3	Total Weight and Charges	M	1		
M	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The 2000 Loop defines pickup or delivery information for an order.
2. The 2200 Loop provides hazardous information associated with an order or stop off.
3. The 2300 Loop provides details for tracking containers within an order.
4. The 2350 Loop provides hazardous information associated with container information.
5. The 2370 Loop provides item details.
6. The 2375 Loop provides hazardous information associated with item information.

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 - 3rd Party Logistics Transportation Service Request Header
Use this implementation convention (IC) for 3rd Party Logistics Transportation Service Request.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M		143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set [1-01] Transaction Set Identifier Code	M ID 3/3
		219	Logistics Service Request [1-01] Logistics Service Request	
M		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 Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set. The application and structure of the control number must be agreed upon between trading partners. (For example, 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: **B9** Beginning Segment for Logistics Services
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a logistics service transaction set
Syntax Notes:
Semantic Notes: 1 B901 is the logistics identification number.
Comments:
Notes: [2] B9 SEGMENT - Record Number/Purpose/Shipment Method

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M		127	Reference Identification	M AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			[2-01] Offer Record Number	
			Enter a unique logistics identification number assigned by the originator of this transaction set.	
M		353	Transaction Set Purpose Code	M ID 2/2
			Code identifying purpose of transaction set	
			[2-02] Transaction Set Purpose Code	
		00	Original	
			[2-02] Original	
			Use '00' to denote Original Offer	
		01	Cancellation	
			[2-02] Cancellation	
		04	Change	
			[2-02] Change	
		14	Advance Notification	
			[2-02] Advance Notification	
			Use '14' to denote Pre-Offer Notice (no X12 220 response required)	
>>		146	Shipment Method of Payment	O ID 2/2
			Code identifying payment terms for transportation charges	
			[2-03] Shipment Method of Payment	
		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	

Segment: **B9A** Service Request
Position: 030
Loop:
Level: Heading
Usage: Mandatory
Max Use: 7
Purpose: To identify the specified logistics services requested
Syntax Notes:
Semantic Notes:
Comments:
Notes: [3] B9A SEGMENT - Service Request Code

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	<u>Des.</u> B9A01	<u>Element</u> 1644 Service Request Code	M ID 2/2
		Code indicating the type of logistics service requested	
		[3-01] Service Request Code	
		RE Rate Estimate	
		[3-01] Rate Estimate	
		Use 'RE' to denote this is a Defense Freight Transportation Services (DFTS) shipment	

Segment: **L11 Business Instructions and Reference Number**
Position: 040
Loop:
Level: Heading
Usage: Optional
Max Use: 99
Purpose: To specify instructions in this business relationship or a reference number
Syntax Notes:

- 1 At least one of L1101 or L1103 is required.
- 2 If either L1101 or L1102 is present, then the other is required.

Semantic Notes:
Comments:
Notes:

[4] L11 SEGMENT - Bill of Lading Cross Reference
 SEGMENT CONDITION: Used to pass Bill of Lading cross reference information only.

[5] L11 SEGMENT - Originating System for the Offer Record
 SEGMENT CONDITION: Use to identify Originating System for the Offer Record

[6] L11 SEGMENT - Original Offer Number
 SEGMENT CONDITION: Use this segment to indicate the Original Offer Number if this 219D is being resubmitted.

[7] L11 SEGMENT - Time Definite Service Level (TDSL)
 SEGMENT CONDITION: Use this segment to indicate a Time Definite Service Level (TDSL) 219D

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
>>	L1101	127 Reference Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
		[4-01] Reference Identification	
		Associated Bill of Lading number	
		[5-01] Originating System	
		Originating System for the Offer Record	
		[6-01] Original Offer Number	
		Offer number for previous version of the 219D	
		[7-01] TDSL Flag	
		Flag indicating whether this is a TDSL Request	
		1 New Code Added by IC	
		[7-01] 1 Day TDSL Request	
		2 New Code Added by IC	
		[7-01] 2 Day TDSL Request	
		3 New Code Added by IC	
		[7-01] 3 Day TDSL Request	
		F New Code Added by IC	
		[7-01] Non-TDSL Request	
>>	L1102	128 Reference Identification Qualifier	X ID 2/3
		Code qualifying the Reference Identification	
		[4-02] Reference Identification Qualifier	
		[5-02] Originating System Qualifier	
		[6-02] Original Offer Number Qualifier	
		[7-02] TDSL Flag Qualifier	
		BM Bill of Lading Number	
		[4-02] Bill of Lading Number	
		F8 Original Reference Number	
		[6-02] Original Reference Number	
		Use 'F8' to denote Original Offer Number	

OH	Origin House Origin House for Canadian Wheat Board [5-02] Origin House
TD	Reason for Change [7-02] Reason for Change Use 'TD' to denote TDSL Flag

X	L1103	352	Description	X AN 1/80
A free-form description to clarify the related data elements and their content				

Segment: MS3 Interline Information
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: 99
Purpose: To identify the interline carrier and relevant data
Syntax Notes: 1 If MS305 is present, then MS303 is required.
Semantic Notes: 1 MS301 is the Standard Carrier Alpha Code (SCAC) of the interline carrier.
 2 MS303 is the city where the interline was performed.

Comments:
Notes:

[8] MS3 SEGMENT - Suggested Transportation Mode
 SEGMENT CONDITION: Use only when recommending Transportation Mode for a TDSL segment.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	MS301	140	Standard Carrier Alpha Code Standard Carrier Alpha Code [8-01] Standard Carrier Alpha Code Insert the SCAC of the 3rd Party Logistics (3PL) Coordinator 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	MS302	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement [8-02] Routing Sequence Code B Origin/Delivery Carrier (Any Mode) [8-02] Origin/Delivery Carrier (Any Mode)	M ID 1/2
X	MS303	19	City Name Free-form text for city name	X AN 2/30
>>	MS304	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment [8-04] Transportation Method/Type Code A Air [8-04] Air AE Air Express [8-04] Air Express AF Air Freight [8-04] Air Freight 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 [8-04] Driveaway, Truckaway, Towaway J Motor [8-04] Motor Use 'J' to denote Motor, Truckload L Contract Carrier [8-04] Contract Carrier Use 'L' to denote Scheduled/Dedicated Trucks	O ID 1/2

LT	Less Than Trailer Load (LTL) [8-04] Less Than Trailer Load (LTL) Use 'LT' to denote Motor, Less than Truckload
R	Rail [8-04] Rail Use 'R' to denote Rail, Carload
X	Intermodal (Piggyback) [8-04] Intermodal (Piggyback)

X	MS305	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
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Segment:	ITA Allowance, Charge or Service
Position:	060
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	20
Purpose:	To specify allowances, charges, or services
Syntax Notes:	<ol style="list-style-type: none"> 1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required. 2 If ITA08 is present, then ITA09 is required. 3 If either ITA10 or ITA11 is present, then the other is required. 4 If ITA15 is present, then ITA02 is required. 5 If ITA17 is present, then ITA12 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 ITA09 is the allowance or charge percent. 2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. 3 ITA12 is the quantity of free goods.
Comments:	<ol style="list-style-type: none"> 1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present. 2 ITA02 identifies the source of the code value in ITA03 or ITA15. 3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence. 4 ITA13 is used to clarify the allowance, charge, or service. 5 ITA15 specifies the individual code list of the agency specified in ITA02. 6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.
Notes:	[9] ITA SEGMENT - Accessorial/Special Handling Request SEGMENT CONDITION: Use when accessorial services or special handling is requested. Not used for pre-offer notices.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ITA01	248 Allowance or Charge Indicator	M ID 1/1
		Code which indicates an allowance or charge for the service specified	
		[9-01] Accessorial/Special Handling Request Code	
		S Service	
		[9-01] Service	
X	ITA02	559 Agency Qualifier Code	X ID 2/2
		Code identifying the agency assigning the code values	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	ITA03	560 Special Services Code	X ID 2/10
		Code identifying the special service	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
M	ITA04	331 Allowance or Charge Method of Handling Code	M ID 2/2
		Code indicating method of handling for an allowance or charge	
		[9-04] Allowance or Charge Method of Handling Code	
		Use code value 'ZZ' to satisfy X12 syntax requirements.	
		CHANGE NOTE: Data element added to satisfy X12 requirements per DM 732.	
		ZZ Mutually Defined	
		[9-04] Mutually Defined	
X	ITA05	341 Allowance or Charge Number	O AN 1/16
		The number assigned by a vendor referencing an allowance, promotion, deal or charge	
X	ITA06	359 Allowance or Charge Rate	O R 1/15
		Allowance or Charge Rate per Unit	

X	ITA07	360	Allowance or Charge Total Amount Total dollar amount for the allowance or charge	O N2 1/15
X	ITA08	378	Allowance/Charge Percent Qualifier Code indicating on what basis allowance or charge percent is calculated Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
X	ITA09	332	Percent Percent expressed as a percent	X R 1/6
X	ITA10	380	Quantity Numeric value of quantity	X R 1/15
X	ITA11	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
X	ITA12	380	Quantity Numeric value of quantity	X R 1/15
>>	ITA13	352	Description A free-form description to clarify the related data elements and their content [9-13] Accessorial/Special Handling Request Description Insert the projected accessorial services that may be required for the shipment unit.	X AN 1/80
		020	New Code Added by IC [9-13] Address Correction	
		045	New Code Added by IC [9-13] Advancing Charges	
		405	New Code Added by IC [9-13] (1) Fuel Surcharge (for Tailored Transportation Contract Traffic Shipments and Air Shipments) (2) Fuel Adjustment (for Motor Shipments)	
		490	New Code Added by IC [9-13] Crane Operator at Destination	
		495	New Code Added by IC [9-13] Crane at Destination	
		500	New Code Added by IC [9-13] Crane at Origin	
		505	New Code Added by IC [9-13] Crane Operator at Origin	
		520	New Code Added by IC [9-13] (1) Overdimensional (Air Shipments), (2) Overdimension Permit (Motor Shipments)	
		675	New Code Added by IC [9-13] (1) Signature and Tally Record Service (for Tailored Transportation Contract Traffic Shipments and Air Shipments), (2) Signature Tally (for Motor Shipments)	
		AAM	New Code Added by IC [9-13] Protective Material Provided for Blocking and Bracing	
		AAS	New Code Added by IC [9-13] (1) Attendants Accompanying (for Rail Shipments), (2) Attendants for Rail Shipments (for Tailored Transportation Contract Traffic Shipments)	
		AFN	New Code Added by IC [9-13] [Migration Code] Air Craft Furnished and Not Used	

AIR	New Code Added by IC [9-13] [Migration Code] Air
ARG	New Code Added by IC [9-13] Rail Armed Guard Service
BLK	New Code Added by IC [9-13] Blocking and Bracing Charge
BUA	New Code Added by IC [9-13] Bunker Adjustment
CCS	New Code Added by IC [9-13] Carrier Caboose Charge
CFC	New Code Added by IC [9-13] Customs Fees - Container Level
CGC	New Code Added by IC [9-13] Carrier Guard Cars
CGR	New Code Added by IC [9-13] Government Caboose/Guard Cars Returned
CHN	New Code Added by IC [9-13] Chains and Binders
CIS	New Code Added by IC [9-13] (1) DoD Constant Surveillance Service (for Tailored Transportation Contract Traffic Shipments and for Air Shipments), (2) Constant Surveillance (for Motor Shipments)
CSP	New Code Added by IC [9-13] Government Caboose Charge
CUF	New Code Added by IC [9-13] Currency Adjustment Factor
DDN	New Code Added by IC [9-13] (1) Dual Driver Protective Service with National Agency Check (for Air Shipments), (2) Dual Driver with National Agency Check (for Motor Shipments)
DDP	New Code Added by IC [9-13] (1) Dual Driver Protective Service (for Air Shipments), (2) Dual Driver (for Motor Shipments)
DEL	New Code Added by IC [9-13] Delivery Charge
DEM	New Code Added by IC [9-13] Demurrage
DEP	New Code Added by IC [9-13] (1) Detention: Vehicles with Power Units (for Tailored Transportation Contract Traffic Shipments), (2) Detention of Conveying Equipment and the Power Unit (for Motor Shipments)
DET	New Code Added by IC [9-13] (1) Detention: Vehicles Without Power Units (for Tailored Transportation Contract Traffic Shipments), (2) Detention of Conveying Equipment Excluding the Power Unit (for Motor Shipments)
DPD	New Code Added by IC [9-13] Drayage at Destination
DPE	New Code Added by IC [9-13] Drayage at Origin
DSC	New Code Added by IC [9-13] Discount

DTB	New Code Added by IC [9-13] Detention of Vehicles
ECR	New Code Added by IC [9-13] Escorts/Couriers
ECS	New Code Added by IC [9-13] Empty Cars Ordered but Not Used
ELS	New Code Added by IC [9-13] Extra Lights
EMT	New Code Added by IC [9-13] Empty Movement
ERS	New Code Added by IC [9-13] Empty Return
EVC	New Code Added by IC [9-13] [Migration Code] Excess Valuation per DM 285
EXC	New Code Added by IC [9-13] (1) Exclusive Use (for Rail Shipments), (2) Exclusive User of Vehicle (for Tailored Transportation Contract Traffic Shipments), (3) Exclusive Use Charge (for Motor Shipments)
EXD	New Code Added by IC [9-13] Extra Driver
EXP	New Code Added by IC [9-13] Expedited Service Charge
FCB	New Code Added by IC [9-13] Freight Charge to Border
FCS	New Code Added by IC [9-13] Furnishing Chassis for COFC Shipments
GSP	New Code Added by IC [9-13] Government Guard Car Charge
GSS	New Code Added by IC [9-13] Greater Security Service
HAZ	New Code Added by IC [9-13] [Migration Code] Hazardous Material
HHB	New Code Added by IC [9-13] [Migration Code] Handling freight not adjacent to vehicle
HOL	New Code Added by IC [9-13] Sunday or Holiday Pick-up or Delivery
HRS	New Code Added by IC [9-13] Heater or Refrigeration
IDC	New Code Added by IC [9-13] Idler Car Charge
IMP	New Code Added by IC [9-13] Impactographs
IMS	New Code Added by IC [9-13] Intermodal Shipment
LDA	New Code Added by IC [9-13] Carrier to Load
LDL	New Code Added by IC [9-13] Carrier to Unload
LFD	New Code Added by IC [9-13] Dedicated Switch Engine Crew at Destination

LFT	New Code Added by IC [9-13] Lift Gate (Truck) or Forklift Service at Pick-Up/Delivery
LHS	New Code Added by IC [9-13] Linehaul Service
LIE	New Code Added by IC [9-13] Cargo Liability of Carrier (Tailored Transportation Contract Traffic Shipments), (2) Liability of Carrier Charge (for Motor Shipments)
LMD	New Code Added by IC [9-13] Dedicated Switch Engine at Destination
LME	New Code Added by IC [9-13] Dedicated Switch Engine at Origin
LTE	New Code Added by IC [9-13] Dedicated Switch Engine Crew at Origin
MEN	New Code Added by IC [9-13] Escort Service with Overnight Subsistence
MES	New Code Added by IC [9-13] Escort (standard)
MET	New Code Added by IC [9-13] Escort (telephones)
MNS	New Code Added by IC [9-13] Motor Surveillance (12-hour calls)
MVS	New Code Added by IC [9-13] Special Motor Surveillance Charge
PER	New Code Added by IC [9-13] Overweight Permit
PRL	New Code Added by IC [9-13] Prelodging
PSS	New Code Added by IC [9-13] (1) Protective Service Security (for Air Shipments), (2) Protective Security (without armed drivers) (for Motor Shipments)
PTS	New Code Added by IC [9-13] (1) Protective Tarping for Security Purposes (for Tailored Transportation Contract Traffic Shipments), (2) Protective Tarping (for Motor Shipments)
PUC	New Code Added by IC [9-13] Urgent Pick-Up Service
PUD	New Code Added by IC [9-13] (1) Pick-up and Delivery (for Rail Shipments), (2) Pick-up/Delivery o/t Normal Bus hours (for Tailored Transportation Contract Traffic Shipments), (3) Pickup or Delivery Before or After Normal Business Hours (for Air Shipments)
PVB	New Code Added by IC [9-13] Bonded Privately Owned Vehicle Charge
RCC	New Code Added by IC [9-13] (1) Reconsignment/Diversion (for Tailored Transportation Contract Traffic Shipments and Motor Shipments) , (2) Reconsignment Charge (for Air Shipments)
RCL	New Code Added by IC [9-13] Redelivery

RDH	New Code Added by IC [9-13] Technical Assistance for Loading Rail Cars
REP	New Code Added by IC [9-13] Residential Pick-up
RES	New Code Added by IC [9-13] Residential Delivery
RIS	New Code Added by IC [9-13] [Migration Code] Rail Inspection Service
RLS	New Code Added by IC [9-13] Relocation of Vehicle
RMC	New Code Added by IC [9-13] Return of Empty Container Charge
RMP	New Code Added by IC [9-13] Return Movement of Pallet Charge
RSS	New Code Added by IC [9-13] Restricted Speeds
RSV	New Code Added by IC [9-13] Reservations
SAT	New Code Added by IC [9-13] (1) Saturday Pick-up Charge (for Rail Shipments), (2) Saturday Pick-up or Delivery Charge (for Tailored Transportation Contract Traffic Shipments and Motor Shipments), (3) Saturday Pickup or Delivery (for Air Shipments)
SDL	New Code Added by IC [9-13] Split Delivery
SEV	New Code Added by IC [9-13] (1) Security Escort Vehicle Vehicle (for Air Shipments), Security Escort Service (for Motor Shipments)
SFT	New Code Added by IC [9-13] Special Train Service
SNS	New Code Added by IC [9-13] Satellite Motor Surveillance
SOC	New Code Added by IC [9-13] Stop-off Charge
SPU	New Code Added by IC [9-13] Split Pickup
SRG	New Code Added by IC [9-13] Storage
SRS	New Code Added by IC [9-13] Surveying Routes
SSR	New Code Added by IC [9-13] [Migration Code] Surveying Routes
SUP	New Code Added by IC [9-13] Inspector Requested for Loading
SVS	New Code Added by IC [9-13] Storage of Vehicles
TER	New Code Added by IC [9-13] Carrier to Unblock, Unbrace, and Untie
TMV	New Code Added by IC [9-13] Tendering of Multiple Vehicles

TOW	New Code Added by IC [9-13] [Migration Code] Motor Towaway Service
TPA	New Code Added by IC [9-13] [Migration Code] Carrier Equipment Pool Charge
TPS	New Code Added by IC [9-13] Third-Party Service
URC	New Code Added by IC [9-13] (1) Loading/Unloading (for Rail Shipments and Motor Shipments), (2) Loading/Unloading by Motor Carriers (for Tailored Transportation Contract Traffic Shipments)
VFN	New Code Added by IC [9-13] Vehicles Furnished But Not Used
VIS	New Code Added by IC [9-13] Vehicles Inoperable
VTS	New Code Added by IC [9-13] Vehicles in Truckaway
WTG	New Code Added by IC [9-13] [Migration Code] Waiting Time
WTV	New Code Added by IC [9-13] Weight Verification Charge
Z01	New Code Added by IC [9-13] Motor Surveillance (1-hour calls)
Z04	New Code Added by IC [9-13] Motor Surveillance (4-hour calls)
Z08	New Code Added by IC [9-13] Motor Surveillance (8-hour calls)

X	ITA14	150	Special Charge or Allowance Code	X ID 3/3
			Code identifying type of special charge or allowance Refer to 004010 Data Element Dictionary for acceptable code values.	
X	ITA15	822	Source Subqualifier	O AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier	
X	ITA16	662	Relationship Code	O ID 1/1
			Code indicating the relationship between entities Refer to 004010 Data Element Dictionary for acceptable code values.	
X	ITA17	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.	

Segment: **NTE** Note/Special Instruction
Position: 070
Loop:
Level: Heading
Usage: Optional
Max Use: 10
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: [10] NTE SEGMENT - Rate Structure Tier Requested
 SEGMENT CONDITION: Use this segment to indicate the rate structure requested under the DFTS contract. Use of this segment is required for all DFTS transportation service requests except those transported by rail.
 [11] NTE SEGMENT - Number of Vehicles Requested
 Not used for pre-offer notices. If requesting more than 99 vehicles, use a separate 219.
 SEGMENT CONDITION: Use when requesting truckload moves and the shipper knows the number trucks required for the move.
 [12] NTE SEGMENT - Note/Special Instruction
 SEGMENT CONDITION: Use this segment to report additional free-form special instructions/requests to the 3rd Party Logistics Coordinator, such as more detailed information on pickup location, appointment requirements, and other ancillary detail not provided elsewhere in the transaction. If needed, this special instructions segment may be used up to eight (8) times.

Data Element Summary

Ref.	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	
		[10-01] Rate Structure Tier Qualifier	
		[11-01] Number of Vehicles Requested Qualifier	
		[12-01] Note Reference Code	
		ADD Additional Information	
		[12-01] Additional Information	
		EED Equipment Description	
		[11-01] Equipment Description	
		Use 'EED' to denote Number of Vehicles Requested	
		TRA Transportation	
		[10-01] Transportation	
		Use 'TRA' to denote DFTS Rate Structure Tier	
M	NTE02	352 Description	M AN 1/80
		A free-form description to clarify the related data elements and their content	
		[10-02] Note/Special Instruction	
		Use this element to indicate the DFTS Rate Structure Tier requested by the DFTS shipper	
		[11-02] Number of Vehicles Requested	
		Enter numeric value of the number of vehicles being requested. Not used for pre-offer notices.	
		ELEMENT CONDITION: Not used for pre-offer notices.	
		[12-02] Note/Special Instruction	
		Enter free-form text for additional/special instructions to the 3rd Party Logistics coordinator.	
		4 New Code Added by IC	
		[10-02] 4/8 Rate Structure Tier	

12	New Code Added by IC
	[10-02] 12/24 Rate Structure Tier
24	New Code Added by IC
	[10-02] 24/48 Rate Structure Tier

Segment: **N7** Equipment Details
Position: 080
Loop: 1000 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: [13] N7 SEGMENT - Equipment Used/Requested
 SEGMENT CONDITION: Use this segment when 1) directly loading a pooled trailer at the shipper's location, 2) if requesting special equipment (low-boy, air cushioned, flatbed, etc.) from the coordinator, or 3) if offering a government owned or leased railcar to the coordinator. Not used for pre-offer notices.

Data Element Summary

Ref.	Data	Data Element Summary	
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	N701	206 Equipment Initial	O AN 1/4
		Prefix or alphabetic part of an equipment unit's identifying number	
		[13-01] Equipment Initials	
		If directly loading a pooled trailer, enter the SCAC of the carrier that owns the equipment. Otherwise, enter value '0'.	
		SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association	
M	N702	207 Equipment Number	M AN 1/10
		Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	
		[13-02] Equipment Number	
		If directly loading a pooled trailer, enter the serial number of the equipment. Otherwise, enter value '0' to satisfy X12 syntax requirements.	
	N703	81 Weight	X R 1/10
		Numeric value of weight	
		[13-03] Equipment Weight Capacity	
		Express in 1000 lb units. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	
	N704	187 Weight Qualifier	X ID 1/2
		Code defining the type of weight	
		[13-04] Weight Qualifier	
		ELEMENT CONDITION: Required if N703 is used.	
		N Actual Net Weight	
		[13-04] Actual Net Weight	
X	N705	167 Tare Weight	X N0 3/8
		Weight of the equipment	
X	N706	232 Weight Allowance	O N0 2/6
		Allowance made for increased weight due to such factors as snow	
X	N707	205 Dunnage	O N0 1/6
		Weight of material used to protect lading (even bracings, false floors, etc.)	
	N708	183 Volume	X R 1/8
		Value of volumetric measure	
		[13-08] Equipment Cube	

	N709	184	Volume Unit Qualifier	X	ID 1/1
			Code identifying the volume unit		
			[13-09] Equipment Cube Qualifier		
			ELEMENT CONDITION: Required if N708 is used.		
			E		
			Cubic Feet		
			[13-09] Cubic Feet		
X	N710	102	Ownership Code	O	ID 1/1
			Code indicating the relationship of equipment to carrier or ownership of equipment		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	N711	40	Equipment Description Code	O	ID 2/2
			Code identifying type of equipment used for shipment		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	N712	140	Standard Carrier Alpha Code	O	ID 2/4
			Standard Carrier Alpha Code		
	N713	319	Temperature Control	O	AN 3/6
			Free-form abbreviation of temperature range or flash-point temperature		
			[13-13] Temperature Control		
			Use to specify temperature setting for reefer shipments. If necessary, indicate minimum and maximum temperature (e.g., -10+30.). Report all temperatures in Fahrenheit.		
X	N714	219	Position	O	AN 1/3
			Relative position of shipment in car, trailer, or container (mutually defined)		
	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)		
			[13-15] Equipment Length		
			Report in FFFII format.		
X	N716	571	Tare Qualifier Code	X	ID 1/1
			Code identifying the type of tare		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	N717	188	Weight Unit Code	O	ID 1/1
			Code specifying the weight unit		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	N718	761	Equipment Number Check Digit	O	N0 1/1
			Number which designates the check digit applied to a piece of equipment		
X	N719	56	Type of Service Code	O	ID 2/2
			Code specifying extent of transportation service requested		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	N720	65	Height	O	R 1/8
			Vertical dimension of an object measured when the object is in the upright position		
X	N721	189	Width	O	R 1/8
			Shorter measurement of the two horizontal dimensions measured with the object in the upright position		
>>	N722	24	Equipment Type	O	ID 4/4
			Code identifying equipment type		
			[13-22] Equipment Type		
			Enter code to identify the equipment type. Use DoD equipment codes. Left justify the code and fill to the right with the lower case 'x' until a length of four characters is attained.		
			8X		
			New Code Added by IC		
			[13-22] Pipeline		

A10	New Code Added by IC [13-22] 410 Dromedary, 102" L x 75" H x 92" W, 410 cubic feet
A11	New Code Added by IC [13-22] Van, air ride, 45 ft or 48 ft, padded, equipped with electric hydraulic powered crane loading unloading system or hydraulic powered
A16	New Code Added by IC [13-22] Special Dromedary with MRO
A18	New Code Added by IC [13-22] Propeller Trailer
A20	New Code Added by IC [13-22] Motor vehicle transport trailer
A30	New Code Added by IC [13-22] Removable gooseneck
A40	New Code Added by IC [13-22] Flat bed trailer, hot shot, 40 ft and over
A5	New Code Added by IC [13-22] Tractor, air ride
A50	New Code Added by IC [13-22] Van, closed, padded/logistics type, freight only, w/air ride suspension, 40 ft and over
A6	New Code Added by IC [13-22] Tractor, other than air ride
A7	New Code Added by IC [13-22] Flat bed, 30 feet and less, hooked in tandem as one unit
A8	New Code Added by IC [13-22] Van, air ride, w/temperature and humidity control
A9	New Code Added by IC [13-22] Van, closed, padded, w/air ride suspension 2nd & 3rd proviso only
AA1	New Code Added by IC [13-22] Van, closed air ride, 30 ft and less
AA2	New Code Added by IC [13-22] Van, closed air ride, 31-40 ft
AA3	New Code Added by IC [13-22] Van, closed air ride, over 40 ft
AB0	New Code Added by IC [13-22] Lowboy, level deck, 10 axles and over
AB2	New Code Added by IC [13-22] Lowboy, level deck, 2 axles
AB3	New Code Added by IC [13-22] Lowboy, level deck, 3 axles
AB4	New Code Added by IC [13-22] Lowboy, level deck, 4 axles
AB5	New Code Added by IC [13-22] Lowboy, level deck, 5 axles
AB6	New Code Added by IC [13-22] Lowboy, double drop, air ride, w/outriggers, 3 axles

AB7	New Code Added by IC [13-22] Lowboy, level deck, 7 axles
AB9	New Code Added by IC [13-22] Lowboy, level deck, 9 axles
AC2	New Code Added by IC [13-22] Expandable low bed trailer, 2 axles
AC3	New Code Added by IC [13-22] Expandable low bed trailer, 3 axles
AC4	New Code Added by IC [13-22] Expandable low bed trailer, 4 axles
AD	New Code Added by IC [13-22] Regular Dromedary
AD6	New Code Added by IC [13-22] Dromedary with Mechanical Restraining Device (MRD)
AE0	New Code Added by IC [13-22] Lowboy, double drop, 10 axles and over
AE2	New Code Added by IC [13-22] Lowboy, double drop, 2 axles
AE3	New Code Added by IC [13-22] Lowboy, double drop, 3 axles
AE4	New Code Added by IC [13-22] Lowboy, double drop, 4 axles
AE5	New Code Added by IC [13-22] Lowboy, double drop, 5 axles
AE6	New Code Added by IC [13-22] Lowboy, double drop, w/outriggers, 3 axles
AE7	New Code Added by IC [13-22] Lowboy, double drop, 7 axles
AE9	New Code Added by IC [13-22] Lowboy, double drop, 9 axles
AF1	New Code Added by IC [13-22] Flat bed, 30 ft and less
AF2	New Code Added by IC [13-22] Flat bed, 31-40 ft
AF3	New Code Added by IC [13-22] Flat bed, over 40 ft
AF4	New Code Added by IC [13-22] Flat bed w/Conestoga trailers 30 ft and less
AF5	New Code Added by IC [13-22] Flat bed w/Conestoga trailer 31-40 ft
AF6	New Code Added by IC [13-22] Flat bed w/Conestoga trailers over 40 ft
AG1	New Code Added by IC [13-22] Van, open, 30 ft and less
AG2	New Code Added by IC [13-22] Van, open, 31-40 ft
AG3	New Code Added by IC [13-22] Van, open, over 40 ft

AG4	New Code Added by IC [13-22] Tautliner Van w/Tarps, 30' or less
AG5	New Code Added by IC [13-22] Tautliner Van w/Tarps, 31' to 40'
AG6	New Code Added by IC [13-22] Tautliner Van w/Tarps, over 40'
AH2	New Code Added by IC [13-22] Drop frame trailer, drop/step deck, 2 axles
AH3	New Code Added by IC [13-22] Drop frame trailer, drop/step deck, 3 axles
AI2	New Code Added by IC [13-22] Drop frame trailer, drop/step deck, air ride, 2 axles
AI3	New Code Added by IC [13-22] Drop frame trailer, drop/step deck, air ride, 3 axles
AJ0	New Code Added by IC [13-22] Lowboy, level deck, air ride, 10 axles and over
AJ2	New Code Added by IC [13-22] Lowboy, level deck, air ride, 2 axles
AJ3	New Code Added by IC [13-22] Lowboy, level deck, air ride, 3 axles
AJ4	New Code Added by IC [13-22] Lowboy, level deck, air ride, 4 axles
AJ5	New Code Added by IC [13-22] Lowboy, level deck, air ride, 5 axles
AJ6	New Code Added by IC [13-22] Lowboy, level deck, air ride, w/outriggers, 3 axles
AJ7	New Code Added by IC [13-22] Lowboy, level deck, air ride, 7 axles
AJ9	New Code Added by IC [13-22] Lowboy, level deck, air ride, 9 axles
AK	New Code Added by IC [13-22] Van, refrigerated, perishable food
AL2	New Code Added by IC [13-22] Extendable flat bed trailer, 2 axles
AL3	New Code Added by IC [13-22] Extendable flat bed trailer, 3 axles
AL4	New Code Added by IC [13-22] Extendable flat bed trailer, 4 axles
AM0	New Code Added by IC [13-22] Lowboy, double drop, air ride, 10 axles and over
AM2	New Code Added by IC [13-22] Lowboy, double drop, air ride, 2 axles
AM3	New Code Added by IC [13-22] Lowboy, double drop, air ride, 3 axles
AM4	New Code Added by IC [13-22] Lowboy, double drop, air ride, 4 axles

AM5	New Code Added by IC [13-22] Lowboy, double drop, air ride, 5 axles
AM6	New Code Added by IC [13-22] Lowboy, double drop, air ride, w/outriggers, 3 axles
AM7	New Code Added by IC [13-22] Lowboy, double drop, air ride, 7 axles
AM9	New Code Added by IC [13-22] Lowboy, double drop, air ride, 9 axles
AN	New Code Added by IC [13-22] Adjustable tilt bed trailer
AO	New Code Added by IC [13-22] Driveaway/Truckaway
AO1	New Code Added by IC [13-22] Straight truck, enclosed van, air ride, 12 ft, 5,000 lb, maximum cargo capacity
AO2	New Code Added by IC [13-22] Straight truck, enclosed van, air ride, 20 ft, 13,000 lb, maximum cargo capacity
AO3	New Code Added by IC [13-22] Straight truck, enclosed van, air ride, 12 ft, 5,000 lb, maximum cargo capacity
AO4	New Code Added by IC [13-22] Straight truck, enclosed van, air ride, 20 ft, 13,000 lb, maximum cargo capacity
AO5	New Code Added by IC [13-22] Straight truck, enclosed van, 20 ft, 13,000 lb, maximum cargo capacity, padded/logistics type, w/ air ride suspension
AO6	New Code Added by IC [13-22] Pickup truck, with cap, 18 ft. long, 500 lbs maximum cargo capacity
AO7	New Code Added by IC [13-22] Econo van, 17 ft long, 2,000 lbs maximum cargo capacity
AO8	New Code Added by IC [13-22] Dump trailer, 28 ft long, 2 axle, hydraulic powered lift
AP	New Code Added by IC [13-22] Aft steering unit
AQ0	New Code Added by IC [13-22] Removable Gooseneck , 10 Axles and Over
AQ3	New Code Added by IC [13-22] Removable Gooseneck, 3 Axles
AQ4	New Code Added by IC [13-22] Removable Gooseneck, 4 Axles
AQ5	New Code Added by IC [13-22] Removable Gooseneck, 5 Axles
AQ6	New Code Added by IC [13-22] Removable Gooseneck, 6 Axles
AQ7	New Code Added by IC [13-22] Removable Gooseneck , 7 Axles

AQ8	New Code Added by IC [13-22] Removable Gooseneck , 8 Axles
AQ9	New Code Added by IC [13-22] Removable Gooseneck , 9 Axles
AR	New Code Added by IC [13-22] Van, refrigerated, other
AS	New Code Added by IC [13-22] Livestock transporter
AT1	New Code Added by IC [13-22] Tank, 5001-8000 gallons
AT2	New Code Added by IC [13-22] Tank, over 8000 gallons
AU	New Code Added by IC [13-22] Container, shipper owned, environmental, temperature and humidity controlled
AV1	New Code Added by IC [13-22] Van, closed, 30 ft and less
AV2	New Code Added by IC [13-22] Van, closed, 31-40 ft
AV3	New Code Added by IC [13-22] Van, closed, over 40 ft
AV4	New Code Added by IC [13-22] Van, closed, Rollerbed, 40 ft, fixed rollers
AV5	New Code Added by IC [13-22] Van, closed, Rollerbed, 40 ft, retractable rollers
AV6	New Code Added by IC [13-22] Van, closed, Rollerbed, 45 ft and over, fixed rollers
AV7	New Code Added by IC [13-22] Van, closed, Rollerbed, 45 ft and over, retractable rollers
AV8	New Code Added by IC [13-22] Van, closed, 45 to 48 ft, 12' 4" high
AW0	New Code Added by IC [13-22] Expandable Removable Gooseneck, 10 Axles and Over
AW2	New Code Added by IC [13-22] Expandable Removable Gooseneck, 2 Axles
AW3	New Code Added by IC [13-22] Expandable Removable Gooseneck, 3 Axles
AW4	New Code Added by IC [13-22] Expandable Removable Gooseneck, 4 Axles
AW5	New Code Added by IC [13-22] Expandable Removable Gooseneck, 5 Axles
AW6	New Code Added by IC [13-22] Expandable Removable Gooseneck, 6 Axles
AW7	New Code Added by IC [13-22] Expandable Removable Gooseneck, 7 Axles
AW8	New Code Added by IC [13-22] Expandable Removable Gooseneck, 8 Axles
AW9	New Code Added by IC [13-22] Expandable Removable Gooseneck, 9 Axles

AX	New Code Added by IC [13-22] Flat bed, all lengths (twist lock)
AX0	New Code Added by IC [13-22] Jig Trailer, 10 Axles and over
AX2	New Code Added by IC [13-22] Jig Trailer, 2 Axles
AX3	New Code Added by IC [13-22] Jig Trailer, 3 Axles
AX4	New Code Added by IC [13-22] Jig Trailer, 4 Axles
AX5	New Code Added by IC [13-22] Jig Trailer, 5 Axles
AX6	New Code Added by IC [13-22] Jig Trailer, 6 Axles
AX7	New Code Added by IC [13-22] Jig Trailer, 7 Axles
AX8	New Code Added by IC [13-22] Jig Trailer, 8 Axles
AX9	New Code Added by IC [13-22] Jig Trailer, 9 Axles
AY1	New Code Added by IC [13-22] Van, closed, 30 ft and less, double type single unit
AY2	New Code Added by IC [13-22] Van, closed, 30 ft and less, hooked in tandem as one unit
AZ1	New Code Added by IC [13-22] Flat bed, air ride, 30 ft and less
AZ2	New Code Added by IC [13-22] Flat bed, air ride, 31-40 ft
AZ3	New Code Added by IC [13-22] Flat bed, air ride, over 40 ft
EE	New Code Added by IC [13-22] Bus
KA	New Code Added by IC [13-22] Box, automobile
KB1	New Code Added by IC [13-22] Flat, bilevel, not enclosed
KB2	New Code Added by IC [13-22] Flat, bilevel, enclosed
KC	New Code Added by IC [13-22] Box, nuclear waste, DODX w/racks permanently affixed
KD	New Code Added by IC [13-22] Gondola, drop ends
KE	New Code Added by IC [13-22] Box, end door
KF1	New Code Added by IC [13-22] Flat, any other type, not over 70'
KF2	New Code Added by IC [13-22] Flat, any other type, over 70' but not over 90'

KG1	New Code Added by IC [13-22] Gondola, any other type, 52' hi capacity
KG2	New Code Added by IC [13-22] Gondola, any other type, 65' hi capacity
KH1	New Code Added by IC [13-22] Hopper open-top, 80 tons and less
KH2	New Code Added by IC [13-22] Hopper open-top, 100 tons, 2000 cubic feet
KH3	New Code Added by IC [13-22] Hopper, closed-top, 70 tons, 2000 cubic feet
KH4	New Code Added by IC [13-22] Hopper, closed top, 100 tons, 2929 cubic feet
KH5	New Code Added by IC [13-22] Hopper, closed-top, 100 tons, 4000 cubic feet
KH6	New Code Added by IC [13-22] Hopper, closed-top, 100 tons, 4600 cubic feet
KK1	New Code Added by IC [13-22] Refrigerator, perishable foods, not over 53' mechanical
KK2	New Code Added by IC [13-22] Refrigerator, perishable foods, over 53', but not over 61 mechanical
KL1	New Code Added by IC [13-22] Flat, trilevel, not enclosed
KL2	New Code Added by IC [13-22] Flat, trilevel, enclosed
KO1	New Code Added by IC [13-22] Box, any other type, not over 52' 6"
KO2	New Code Added by IC [13-22] Box, any other type, over 52' 6", but not over 60' 9"
KO3	New Code Added by IC [13-22] Box, any other type, over 60' 9"
KP	New Code Added by IC [13-22] Box, damage prevention type
KR1	New Code Added by IC [13-22] Refrigerator, any other type, not over 53' mechanical
KR2	New Code Added by IC [13-22] Refrigerator, any other type, over 53', but not over 65' mechanical
KS	New Code Added by IC [13-22] Stock
KT1	New Code Added by IC [13-22] Tank, 10,000 gallons
KT2	New Code Added by IC [13-22] Tank, 20,000 gallons
KT3	New Code Added by IC [13-22] Tank, 30,000 gallons
KU	New Code Added by IC [13-22] Caboose, DODX armed guard

KW1	New Code Added by IC [13-22] TOFC car
KW2	New Code Added by IC [13-22] COFC car
KX	New Code Added by IC [13-22] Box, missile, DODX w/refrigeration
KY	New Code Added by IC [13-22] Flat, heavy duty
KZ1	New Code Added by IC [13-22] Flat, DODX, not over 60'
KZ2	New Code Added by IC [13-22] Flat, DODX, over 60'
KZ3	New Code Added by IC [13-22] Locomotive under own power, on own wheels
KZ4	New Code Added by IC [13-22] Locomotive not under own power, on own wheels
KZ5	New Code Added by IC [13-22] Locomotive not under own power, not on own wheels
MF	New Code Added by IC [13-22] Freight Forwarder (Surface)
QA1	New Code Added by IC [13-22] Non milvan, 20 feet and less
QA2	New Code Added by IC [13-22] Non milvan, 24 feet
QA3	New Code Added by IC [13-22] Non milvan, 27 feet
QA4	New Code Added by IC [13-22] Non milvan, 35 feet
QA5	New Code Added by IC [13-22] Non milvan, 40 feet
QA6	New Code Added by IC [13-22] Non milvan, 45 feet and over
QM	New Code Added by IC [13-22] MILVAN
QQ	New Code Added by IC [13-22] Freight (Other than Freight Forwarder)
QU	New Code Added by IC [13-22] Taxi
SS	New Code Added by IC [13-22] Charter
TT	New Code Added by IC [13-22] Freight Forwarder
WA	New Code Added by IC [13-22] Steamship
WE	New Code Added by IC [13-22] Covered barge
WG	New Code Added by IC [13-22] Cylinder tank barge
WI	New Code Added by IC [13-22] Flush deck oil barge

			WK	New Code Added by IC [13-22] Liquid covered barge	
			WM	New Code Added by IC [13-22] Open barge	
			WP	New Code Added by IC [13-22] Special auto barge	
X	N723	140	Standard Carrier Alpha Code		O ID 2/4
			Standard Carrier Alpha Code		
X	N724	301	Car Type Code		O ID 1/4
			Code specifying type of rail car or intermodal equipment type and its general characteristics		

Segment: **S5 Stop-off Details**
Position: 010
Loop: 2000 Optional
Level: Detail
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:

[14] S5 SEGMENT - Pick-up Location
 LOOP CONDITION: Mandatory for EDI 219A transactions that are an original, change, or pre-offer (B902='00', '04', or '14' respectively). The S5 loop is not required for cancellations of the entire 219A (B902='01'). This S5 loop describes shipment pickup information and pickup location.

[30] S5 SEGMENT - Delivery Location Loop
 LOOP CONDITION: This S5 loop describes shipment delivery information and delivery location. It may be repeated if shipment units are delivered to multiple locations.

Data Element Summary

Ref.	Data Des.	Data Element	Name	Attributes
M	S501	165	Stop Sequence Number Identifying number for the specific stop and the sequence in which the stop is to be performed [14-01] Stop Sequence Number Enter value one (1) and increment by one for each successive S5 segment. [30-01] Stop Sequence Number Per usage note in previous S5 segment, enter value two (2) and increment by one for each successive S5 segment.	M N0 1/3
M	S502	163	Stop Reason Code Code specifying the reason for the stop [14-02] Stop Reason Code [30-02] Stop Reason Code LD Load [14-02] Load UL Unload [30-02] Unload	M ID 2/2
X	S503	81	Weight Numeric value of weight	X R 1/10
X	S504	188	Weight Unit Code Code specifying the weight unit Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
X	S505	382	Number of Units Shipped Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	X R 1/10
X	S506	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
X	S507	183	Volume Value of volumetric measure	X R 1/8

X	S508	184	Volume Unit Qualifier Code identifying the volume unit Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
X	S509	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80
X	S510	154	Standard Point Location Code 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	O ID 6/9
X	S511	190	Accomplish Code Code indicating the status of a specified stop Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1

Segment: **G62** Date/Time
Position: 020
Loop: 2000 Optional
Level: Detail
Usage: Optional (Must Use)
Max Use: 2
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: [15] G62 SEGMENT - Requested Pick-up Date
 [31] G62 SEGMENT - Mandatory Delivery Date

Data Element Summary

Ref.	Data Element	Name	Attributes
>>	G6201	432 Date Qualifier	X ID 2/2
		Code specifying type of date	
		[15-01] Requested Pick-up Date Qualifier	
		[31-01] Mandatory Delivery Date Qualifier	
		CHANGE NOTE: Code value changed to '67' per DM 637.	
		10 Requested Ship Date/Pick-up Date	
		[15-01] Requested Ship Date/Pick-up Date	
		Use '10' to denote Requested Pick-up Date	
		67 Delivered By This Date	
		[31-01] Delivered By This Date	
		Use '67' to denote Mandatory Delivery Date (MDD)	
>>	G6202	373 Date	X DT 8/8
		Date expressed as CCYYMMDD	
		[15-02] Requested Pick-up Date	
		Format is CCYYMMDD.	
		[31-02] Mandatory Delivery Date	
		Format is CCYYMMDD.	
	G6203	176 Time Qualifier	X ID 1/2
		Code specifying the reported time	
		[15-03] Time Qualifier	
		ELEMENT CONDITION: If available, data must be sent	
		[31-03] Time Qualifier	
		ELEMENT CONDITION: Required if G6204 is used.	
		G Earliest Requested Deliver Time	
		[31-03] Earliest Requested Deliver Time	
		I Earliest Requested Pick Up Time	
		[15-03] Earliest Requested Pick Up Time	
		K Latest Requested Pick Up Time	
		[15-03] Latest Requested Pick Up Time	
		L Latest Requested Delivery Time	
		[31-03] Latest Requested Delivery Time	
		U Scheduled Pick Up Time	
		[15-03] Scheduled Pick Up Time	
		X Scheduled Delivery Time	
		[31-03] Scheduled Delivery Time	

G6204	337	Time	X TM 4/8
		<p>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)</p>	
		<p>[15-04] Requested Pick-up Time Format is 'HHMM'. [31-04] Time Format = "HHMM"</p>	
		<p>CHANGE NOTE: Data Element name changed per DM 737.</p>	
G6205	623	Time Code	O ID 2/2
		<p>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</p>	
		<p>[15-05] Time Code ELEMENT CONDITION: Required if G6204 is present. SOURCE: ISO 8601 available from American National Standards Institute [31-05] Time Code CHANGE NOTE: User note corrected per DM 733. ELEMENT CONDITION: Required if G6204 is used. SOURCE: ISO 8601 available from American National Standards Institute</p>	
		LT	Local Time
			[15-05] Local Time
			[31-05] Local Time
		UT	Universal Time Coordinate
			[15-05] Universal Time Coordinate
			[31-05] Universal Time Coordinate

Segment: **N1** Name
Position: 050
Loop: 2100 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.
Notes: [16] N1 SEGMENT - Origin (SF) Data
 [32] N1 SEGMENT - Ship-to (ST)

Data Element Summary

Ref.	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	
		[16-01] Origin Name Qualifier	
		[32-01] Ship-to (ST) Name Qualifier	
		SF Ship From	
		[16-01] Ship From	
		ST Ship To	
		[32-01] Ship To	
>>	N102	93 Name	X AN 1/60
		Free-form name	
		[16-02] Origin Name	
		[32-02] Ship-to (ST) Name	
>>	N103	66 Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		[16-03] DoDAAC/CAGE Qualifier	
		[32-03] DoDAAC/CAGE Qualifier	
		10 Department of Defense Activity Address Code (DODAAC)	
		[16-03] Department of Defense Activity Address Code (DODAAC)	
		[32-03] Department of Defense Activity Address Code (DODAAC)	
		33 Commercial and Government Entity (CAGE)	
		[16-03] Commercial and Government Entity (CAGE)	
		[32-03] 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	
		[16-03] Military Assistance Program Address Code (MAPAC)	
		[32-03] Military Assistance Program Address Code (MAPAC)	

>>	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
			[16-04] Origin DoDAAC/CAGE	
			If DoDAAC/CAGE is unavailable, then N104 = 'XXXXXXX' and the complete clear text name and address of the origin is required in the associated N1 loop.	
			[32-04] Ship-to (ST) Identification Code	
			If DoDAAC/CAGE is unavailable, then N104 = 'XXXXXXX' and the complete clear text name and address of the origin is required in the associated N1 loop.	
X	N105	706	Entity Relationship Code	O ID 2/2
			Code describing entity relationship	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	N106	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: N2 Additional Name Information
Position: 060
Loop: 2100 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes:

[17] N2 SEGMENT - Additional Origin Name
 SEGMENT CONDITION: Use if additional origin name applies.
 [33] N2 SEGMENT - Additional Ship-to (ST) Name
 SEGMENT CONDITION: Use when Additional Ship-to Name applies.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N201	93	Name Free-form name [17-01] Additional Origin Name [33-01] Additional Ship-to (ST) Name	M AN 1/60
X	N202	93	Name Free-form name	O AN 1/60

Segment: **N3** Address Information
Position: 070
Loop: 2100 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: [18] N3 SEGMENT - Origin (SF) Street Address
 [34] N3 SEGMENT - Ship-to (ST) Street Address

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information Address information	M AN 1/55
			[18-01] Origin Street Address [34-01] Ship-to (ST) Street Address	
X	N302	166	Address Information Address information	O AN 1/55

Segment: **N4 Geographic Location**
Position: 080
Loop: 2100 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
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: [19] N4 SEGMENT - Origin (SF) City Name and State/ZIP Codes
[35] N4 SEGMENT - Ship-to (ST) City Name and State/ZIP Codes

Data Element Summary

Ref.	Data Element	Name	Attributes
>>	N401	19 City Name	O AN 2/30
		Free-form text for city name	
		[19-01] Origin City Name	
		[35-01] Ship-to (ST) City Name	
>>	N402	156 State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
		[19-02] Origin State Code	
		SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	
		[35-02] Ship-to (ST) State Code	
		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)	
		[19-03] Origin ZIP 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	
		[35-03] Ship-to (ST) ZIP 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	
X	N404	26 Country Code	O ID 2/3
		Code identifying the country	
	N405	309 Location Qualifier	X ID 1/2
		Code identifying type of location	
		[19-05] Origin Location Qualifier	
		SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)	
		[35-05] Ship-to (ST) Location 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	
		[19-05] U.S. SPLC	
		[35-05] U.S. SPLC	

N406

310

Location Identifier

O AN 1/30

Code which identifies a specific location

[19-06] Origin SPLC

[35-06] Ship-to (ST) SPLC

Segment: **PER Administrative Communications Contact**
Position: 090
Loop: 2100 Optional (Must Use)
Level: Detail
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: [20] PER SEGMENT - Shipper Point of Contact
 SEGMENT CONDITION: Use when Issuing Officer data is applicable. Not used for pre-offer notices.
 [36] PER SEGMENT - Ship To Point of Contact
 SEGMENT CONDITION: Use when a contact at the destination location is needed/desired. Not used for pre-alert notices.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named [20-01] Shipper Point of Contact Qualifier [36-01] Ship To Point of Contact Qualifier DC Delivery Contact [36-01] Delivery Contact IO Issuing Officer [20-01] Issuing Officer SH Shipper Contact [20-01] Shipper Contact	M ID 2/2
	PER02	93	Name Free-form name [20-02] Shipper Point of Contact Name [36-02] Ship To Point of Contact Name ELEMENT CONDITION: If available, data must be sent	O AN 1/60
>>	PER03	365	Communication Number Qualifier Code identifying the type of communication number [20-03] Telephone Number Qualifier [36-03] Telephone Number Qualifier TE Telephone [20-03] Telephone [36-03] Telephone	X ID 2/2
>>	PER04	364	Communication Number Complete communications number including country or area code when applicable [20-04] Shipper Point of Contact Telephone Number Enter shipper's commercial telephone number (include area code) and any associated extension numbers. [36-04] Telephone Number	X AN 1/80
X	PER05	365	Communication Number Qualifier Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
X	PER06	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80

X	PER07	365	Communication Number Qualifier Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
X	PER08	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
X	PER09	443	Contact Inquiry Reference Additional reference number or description to clarify a contact number	O AN 1/20

Segment: **LX** Assigned Number
Position: 200
Loop: 2300 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Comments:

Notes: [21] LX SEGMENT - Freight Piece Loop
 Provide one LX loop for each piece of freight. If shipping multiple pieces under a single transportation control number (TCN), use a separate LX loop for each piece, but use the same TCN.
 [37] LX SEGMENT - Delivery Stop-off Loop
 LOOP CONDITION: Use this loop to indicate which freight pieces will be delivered to a particular stop-off. Not needed otherwise.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	LX01	554	Assigned Number	M N0 1/6
			Number assigned for differentiation within a transaction set	
			[21-01] Assigned Loop Number	
			Begin with the value one (1) and increment by one for each shipment unit.	
			[37-01] Shipment Unit Loop Number	
			Begin with the value one (1) and increment by one for each shipment unit.	

Segment: **LCT** **Logistics Container Tracking Information**
Position: 210
Loop: 2300 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To identify the necessary information for tracking containers and identifying contents of containers

- Syntax Notes:**
- 1 If either LCT04 or LCT05 is present, then the other is required.
 - 2 If LCT06 is present, then at least one of LCT07 LCT08 or LCT09 is required.
 - 3 If LCT07 is present, then LCT06 is required.
 - 4 If LCT08 is present, then LCT06 is required.
 - 5 If LCT09 is present, then LCT06 is required.
 - 6 If either LCT10 or LCT11 is present, then the other is required.

- Semantic Notes:**
- 1 LCT01 is the container identification number.
 - 2 LCT12 should only be used when LCT02 is equal to PLT.

Comments:

- Notes:**
- [22] LCT SEGMENT - Shipment Unit
 - [38] LCT SEGMENT - Shipment Unit at Stop-off

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	LCT01	127 Reference Identification	M AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
		[22-01] Shipment Unit TCN Use lead TCN of shipment unit (container TCN, lead TCN, pallet TCN, etc.) for the shipment unit.	
		[38-01] Shipment Unit TCN Use lead TCN of freight piece (container TCN, lead TCN, pallet TCN, etc.) for the shipment unit at this stop-off.	
M	LCT02	211 Packaging Form Code	M ID 3/3
		Code for packaging form of the lading quantity	
		[22-02] Type Pack Code Code for packaging form of the lading quantity. Enter X12 Type Pack Code (e.g., BOX, CAS, CNT, CTN, PCS, PCT, etc.). {See Section 6.0 (DTEB Transportation Service Request Implementation Convention) for appropriate code values.	
		[38-02] Type Pack Code Code for packaging form of the lading quantity. Enter X12 Type Pack Code (e.g., BOX, CAS, CNT, CTN, PCS, PCT, etc.). {See Section 6.0 (DTEB Transportation Service Request Implementation Convention) for appropriate code values.	
		BAG Bag	
		[22-02] Bag Use 'BAG' to denote Bag, burlap or cloth	
		[38-02] Bag Use 'BAG' to denote Bag, burlap, or cloth	
		BAL Bale	
		[22-02] Bale	
		[38-02] Bale	
		BBL Barrel	
		[22-02] Barrel	
		[38-02] Barrel	
		BDL Bundle	
		[22-02] Bundle	
		[38-02] Bundle	

BOX	Box [22-02] Box [38-02] Box
BSK	Basket or hamper [22-02] Basket or hamper Use 'BSK' to denote Basket [38-02] Basket or hamper Use 'BSK' to denote Basket
CAB	Cabinet [22-02] Cabinet [38-02] Cabinet
CAN	Can [22-02] Can [38-02] Can
CAS	Case [22-02] Case [38-02] Case
CBY	Carboy [22-02] Carboy [38-02] Carboy
CNA	Household Goods Containers, Wood [22-02] Household Goods Containers, Wood Use 'CNA' to denote HHG containers, wood [38-02] Household Goods Containers, Wood Use 'CNA' to denote HHG Containers, wood
CNB	Container, MAC-ISO (Military Airlift Container - International Standards Organization) Light Weight 8x8x20 Foot Air An air container conforming to ISO standards [22-02] Container, MAC-ISO (Military Airlift Container - International Standards Organization) Light Weight 8x8x20 Foot Air Use 'CNB' to denote Container, MAC-ISO, lt. wgt. 8x8x20 foot air [38-02] Container, MAC-ISO (Military Airlift Container - International Standards Organization) Light Weight 8x8x20 Foot Air Use 'CNB' to denote Container, MAC-ISO, lt. wgt. 8x8x20 foot air
CNC	Container, Navy Cargo Transporter [22-02] Container, Navy cargo transporter [38-02] Container, Navy cargo transporter
CND	Container, Commercial Highway Lift [22-02] Container, commercial highway lift [38-02] Container, commercial highway lift
CNE	Engine Container [22-02] Engine container [38-02] Engine Container
CNF	Multiwall Container Secured to Warehouse Pallet [22-02] Multiwall Container Secured to Warehouse Pallet Use 'CNF' to denote Multiwall container secured to warehouse plt [38-02] Multiwall Container Secured to Warehouse Pallet Use 'CNF' to denote Multiwall container secured to warehouse plt

CNT	Container [22-02] Container Use 'CNT' to denote Container, other than CC, CM, CU, CW, MW, MX [38-02] Container Use 'CNT' to denote Container, other than CC, CM, CU, CW, MW, MX
CNX	CONEX - Container Express An 8x8x8-foot container used for packaging and shipping military material [22-02] CONEX - Container Express Use 'CNX' to denote CONEX (Gov't owned container) [38-02] CONEX - Container Express Use 'CNX' to denote CONEX (Gov't owned container)
COL	Coil [22-02] Coil [38-02] Coil
CRD	Cradle [22-02] Cradle Use 'CRD' to denote Engine cradle or dolly [38-02] Cradle Use 'CRD' to denote Engine cradle or dolly
CRT	Crate [22-02] Crate [38-02] Crate
CTN	Carton [22-02] Carton [38-02] Carton
CYL	Cylinder [22-02] Cylinder [38-02] Cylinder
DRM	Drum A large container with a cylindrical shape; top may have removable or sealed top sides may be fiberboard or metal [22-02] Drum [38-02] Drum
DUF	Duffle Bag [22-02] Duffle Bag Use 'DUF' to denote Dufflebag [38-02] Duffle Bag Use 'DUF' to denote Dufflebag
ENV	Envelope [22-02] Envelope [38-02] Envelope
HPR	Hamper [22-02] Hamper [38-02] Hamper
KEG	Keg [22-02] Keg [38-02] Keg
LSE	Loose [22-02] Loose Use 'LSE' to denote Loose, not packed [38-02] Loose Use 'LSE' to denote Loose, not packed

MLV	MILVAN - Military Van A 20-foot transportation van that conforms to ISO standards [22-02] MILVAN - Military Van Use 'MLV' to denote MILVAN [38-02] MILVAN - Military Van Use 'MLV' to denote MILVAN
MSV	MSCVAN - Military Sealift Command Van A 35-foot transportation van [22-02] MSCVAN - Military Sealift Command Van Use 'MSV' to denote MSCVAN [38-02] MSCVAN - Military Sealift Command Van Use 'MSV' to denote MSCVAN
MXD	Mixed Type Pack [22-02] Mixed Type Pack Use 'MXD' to denote Mixed [38-02] Mixed Type Pack Use 'MXD' to denote Mixed
PAL	Pail [22-02] Pail [38-02] Pail
PCS	Pieces [22-02] Pieces Use 'PCS' to denote Piece [38-02] Pieces Use 'PCS' to denote Piece
PLL	New Code Added by IC [22-02] [Migration Code] 463L Air Pallet [38-02] 463L Pallet
PLT	Pallet [22-02] Pallet Use 'PLT' to denote Palletized unit load other than code MW [38-02] Pallet Use 'PLT' to denote Palletized unit load other than code MW
REL	Reel [22-02] Reel [38-02] Reel
ROL	Roll [22-02] Roll [38-02] Roll
SAK	Sack [22-02] Sack Use 'SAK' to denote Sack, paper [38-02] Sack Use 'SAK' to denote Sack, paper
SCS	Suitcase [22-02] Suitcase [38-02] Suitcase
SHT	Sheet [22-02] Sheet [38-02] Sheet
SKD	Skid [22-02] Skid [38-02] Skid

SKE	Skid, elevating or lift truck [22-02] Skid, elevating or lift truck Use 'SKE' to denote Skid, box [38-02] Skid, elevating or lift truck Use 'SKE' to denote Skid, box
SPL	Spool [22-02] Spool [38-02] Spool
SVN	SEAVAN - Sea Van A commercial or military 40-foot transportation container that conforms to ISO standards [22-02] SEAVAN - Sea Van Use 'SVN' to denote SEAVAN [38-02] SEAVAN - Sea Van Use 'SVN' to denote SEAVAN
TBE	Tube [22-02] Tube [38-02] Tube
TBN	Tote Bin [22-02] Tote Bin Use 'TBN' to denote SEAVAN - TOTE [38-02] Tote Bin Use 'TBN' to denote SEAVAN - TOTE
TKR	Tank Car [22-02] Tank Car [38-02] Tank Car
TKT	Tank Truck [22-02] Tank Truck [38-02] Tank Truck
TRK	Trunk and Chest [22-02] Trunk and Chest Use 'TRK' to denote Footlocker (Trunk) [38-02] Trunk and Chest Use 'TRK' to denote Footlocker (Trunk)
TRU	Truck [22-02] Truck [38-02] Truck
TUB	Tub [22-02] Tub [38-02] Tub
UNT	Unit [22-02] Unit Use 'UNT' to denote Unitized (use RT for unitized cargo on RORO) [38-02] Unit Use 'UNT' to denote Unitized (use RT for unitized cargo on RORO)
VEH	Vehicles [22-02] Vehicles Use 'VEH' to denote Vehicle [38-02] Vehicles Use 'VEH' to denote Vehicle
VOC	New Code Added by IC [22-02] Vehicle in Operating Condition [38-02] Vehicle in Operating Condition

VPK	Van Pack
	[22-02] Van Pack
	Use 'VPK' to denote Van chassis
	[38-02] Van Pack
	Use 'VPK' to denote Van chassis
WHE	On Own Wheel
	[22-02] On Own Wheel
	Use 'WHE' to denote RORO (roll-off, roll-on)
	[38-02] On Own Wheel
	Use 'WHE' to denote RORO (roll-off, roll-on)
WRP	Wrapped
	[22-02] Wrapped
	[38-02] Wrapped

	LCT03	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	
			[22-03] Description	
			ELEMENT CONDITION: If available, use NMFC text description of the unit(s) being shipped. Otherwise, provide a clear text description of the items in the shipment unit. If the shipment unit is a consolidation, enter value 'MIXED CARGO'.	
>>	LCT04	188	Weight Unit Code	X ID 1/1
			Code specifying the weight unit	
			[22-04] Shipment Unit Weight Qualifier	
			L Pounds	
			[22-04] Pounds	
>>	LCT05	395	Unit Weight	X R 1/8
			Numeric value of weight per unit	
			[22-05] Shipment Unit Weight	
			Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	
	LCT06	90	Measurement Unit Qualifier	X ID 1/1
			Code specifying the linear dimensional unit	
			[22-06] Shipment Unit Measurement Unit Qualifier	
			ELEMENT CONDITION: Provide if available.	
			E Feet	
			[22-06] Feet	
			N Inches	
			[22-06] Inches	
	LCT07	82	Length	X R 1/8
			Largest horizontal dimension of an object measured when the object is in the upright position	
			[22-07] Shipment Unit Length	
			ELEMENT CONDITION: Provide if available.	
	LCT08	189	Width	X R 1/8
			Shorter measurement of the two horizontal dimensions measured with the object in the upright position	
			[22-08] Shipment Unit Width	
			ELEMENT CONDITION: Provide if available.	
	LCT09	65	Height	X R 1/8
			Vertical dimension of an object measured when the object is in the upright position	
			[22-09] Shipment Unit Height	
			ELEMENT CONDITION: Provide if available.	

>>	LCT10	184	Volume Unit Qualifier	X	ID 1/1
			Code identifying the volume unit		
			[22-10] Shipment Unit Volume Unit Qualifier		
			E		
			Cubic Feet		
			[22-10] Cubic Feet		
>>	LCT11	183	Volume	X	R 1/8
			Value of volumetric measure		
			[22-11] Shipment Unit Volume		
			Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.		
X	LCT12	399	Pallet Exchange Code	O	ID 1/1
			Code specifying pallet exchange instructions		
			Refer to 004010 Data Element Dictionary for acceptable code values.		

Segment: **AMT** Monetary Amount
Position: 240
Loop: 2300 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:
Notes:

[23] AMT SEGMENT - Shipment Unit Monetary Amount
 SEGMENT CONDITION: Use AMT segment to provide a declared value of the line item
 [39] AMT SEGMENT - Shipment Unit at Stop-Off Monetary Amount
 SEGMENT CONDITION: Use AMT segment to provide a declared value of the line item

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	AMT01	522	Amount Qualifier Code Code to qualify amount [23-01] Declared Value Code [39-01] Declared Value Code 1 Line Item Total [23-01] Line Item Total [39-01] Line Item Total	M ID 1/3
M	AMT02	782	Monetary Amount Monetary amount [23-02] Declared Value Enter in US Dollars the value of the shipment unit. [39-02] Declared Value Enter in US Dollars the value of the shipment unit.	M R 1/18
X	AMT03	478	Credit/Debit Flag Code Code indicating whether amount is a credit or debit Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1

Segment: **L11 Business Instructions and Reference Number**
Position: 260
Loop: 2300 Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify instructions in this business relationship or a reference number
Syntax Notes: 1 At least one of L1101 or L1103 is required.
2 If either L1101 or L1102 is present, then the other is required.

Semantic Notes:
Comments:
Notes: [24] L11 SEGMENT - Special Handling Minimum Temperature Allowed
SEGMENT CONDITION: Use the segment when special temperature handling is required.
[25] L11 SEGMENT - Special Handling Maximum Temperature Allowed
SEGMENT CONDITION: Use the segment when special temperature handling is required.
[26] L11 SEGMENT - Stackable Flag
SEGMENT CONDITION: The L11 segment at index 26 should be passed if a line item is stackable, otherwise do not pass this segment

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
>>	L1101	127 Reference Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
		[24-01] Special Handling Minimum Temperature Allowed Enter minimum temperature (in Fahrenheit) at which freight may be kept.	
		[25-01] Special Handling Maximum Temperature Allowed Enter maximum temperature (in Fahrenheit) at which freight may be kept.	
		[26-01] Stackable Flag "STACKABLE" is to be used when a shipment is arranged, crated, packaged, or designed physically so that it can be placed on top or below other shipments to optimize space and without causing damage to equipment, other shipments, or shipment contents. If a line item is not stackable, then the L11 segment at index 26 would not be passed.	
>>	L1102	128 Reference Identification Qualifier	X ID 2/3
		Code qualifying the Reference Identification	
		[24-02] Minimum Temperature Qualifier	
		[25-02] Maximum Temperature Qualifier	
		[26-02] Stackable Qualifier	
		HQ Reinsurance Reference [25-02] Reinsurance Reference Use 'HQ' to denote Maximum Temperature Allowed	
		SU Special Processing Code Unique code identifying the special handling requirements for the claim [24-02] Special Processing Code Use 'SU' to denote Minimum Temperature Allowed	
		ZZ Mutually Defined [26-02] Mutually Defined Use 'ZZ' to denote Stackable Flag	
X	L1103	352 Description	X AN 1/80
		A free-form description to clarify the related data elements and their content	

Segment: **G61 Contact**
Position: 270
Loop: 2350 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a person or office to whom communications should be directed
Syntax Notes: 1 If either G6103 or G6104 is present, then the other is required.
Semantic Notes:
Comments: 1 G6103 qualifies G6104.
Notes: [27] G61 SEGMENT - Emergency Contact
 SEGMENT CONDITION: Used only if shipment contains hazardous materials. Repeat this segment as required to pass two emergency phone numbers, one for commercial and the other toll free.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	G6101	366 Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person or group named	
		[27-01] Emergency Contact Qualifier	
		EM Emergency Contact	
		[27-01] Emergency Contact	
M	G6102	93 Name	M AN 1/60
		Free-form name	
		[27-02] Emergency Contact Name	
	G6103	365 Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		[27-03] Telephone Number Qualifier	
		AP Alternate Telephone	
		[27-03] Alternate Telephone	
		Use 'AP' to denote Toll-free Emergency Number	
		TE Telephone	
		[27-03] Telephone	
		Use 'TE' to denote Commercial Emergency Number	
	G6104	364 Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
		[27-04] Emergency Contact Telephone Number	
		Enter shipper's commercial telephone number (include area code) and any associated extension numbers.	
X	G6105	443 Contact Inquiry Reference	O AN 1/20
		Additional reference number or description to clarify a contact number	

Segment: **LH1** Hazardous Identification Information
Position: 300
Loop: 2355 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: [28] LH1 SEGMENT - HAZMAT Quantities
 SEGMENT CONDITION: Required if the shipment contains hazardous material.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
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 [28-01] HAZMAT - Unit Of Measure Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken. Contains the code identifying the Unit of Measure (type of packaging) for which the data in LH102 is reported. See Section 6 for a list of the LH101 supported codes (cross referenced from Type Pack Code passed in the LCT02, DE211).Use LH106 to express weight and volume for non-bulk shipments. Refer to the X12 Standard, DE355 for applicable codes. Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
M	LH102	80	Lading Quantity Number of units (pieces) of the lading commodity [28-02] HAZMAT - Lading Quantity Contains the number of units (pieces) of the lading commodity that is Hazardous. Reference 49 CFR 172.202(c).	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 [28-03] HAZMAT - UN/NA ID Code Contains the United Nations/North America (UN/NA) code. SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	O ID 6/6
X	LH104	200	Hazardous Materials Page The United Nations page number as required for the international transport of hazardous materials	O AN 1/6
X	LH105	22	Commodity Code Code describing a commodity or group of commodities	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 [28-06] 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. Refer to the X12 Standard, DE355 for applicable codes. Use LH101 to express type of packaging. ELEMENT CONDITION: Required if LH107 is used. Refer to 004010 Data Element Dictionary for acceptable code values.	
	LH107	380	Quantity	O R 1/15
			Numeric value of quantity [28-07] 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.	
X	LH108	595	Compartment ID Code	O ID 1/1
			Code identifying the compartment in a compartmentalized tank car 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 [28-09] HAZMAT - Residue Indicator Code	
			R Residue Last Contained Description (Tank Car) [28-09] Residue Last Contained Description (Tank Car) Use 'R' to denote Unit being shipped is empty and contains a residue from a prior movement, reference 40 CFR 172.203(e)	
	LH110	254	Packing Group Code	O ID 1/3
			Code indicating degree of danger in terms of Roman number I, II or III [28-10] HAZMAT - Packing Group Code Indicate the required packing group using Roman Numeral I, II, or III to indicate the degree of danger as shown in column 5 of 49 CFR, Table 172.101. SOURCE: The Canadian Gazette, Part II available from Canadian Government Publishing Centre Supply and Services Canada	
X	LH111	1375	Interim Hazardous Material Regulatory Number	O AN 1/5
			Identifies the current regulatory version number used for hazardous materials shipments	

Segment: **LH2 Hazardous Classification Information**
Position: 310
Loop: 2355 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: [29] LH2 SEGMENT - HAZMAT Classification
 SEGMENT CONDITION: Required for loaded and unloaded HAZMAT shipments.

Data Element Summary

Ref.	Data Element	Name	Attributes
>>	LH201	215 Hazardous Classification	O ID 1/30
		The hazardous classification corresponding to the shipping name of the hazardous commodity [29-01] 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 MN 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: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	
>>	LH202	983 Hazardous Class Qualifier	O ID 1/1
		Code qualifying hazardous class [29-02] 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 [29-02] Primary S Secondary [29-02] Secondary	
X	LH203	218 Hazardous Placard Notation	O ID 14/40
		The placard notation corresponding to the hazard class of the hazardous commodity	
X	LH204	222 Hazardous Endorsement	O ID 4/25
		The placard endorsement that is to be shown on the shipping papers for the hazardous commodity	
	LH205	759 Reportable Quantity Code	O ID 2/2
		Code to identify presence of hazardous substance [29-05] HAZMAT - Reportable Quantity ELEMENT CONDITION: Required if necessary to indicate a reportable quantity is present in the shipment. For empty packagings or units containing the residue of a hazardous material, reference 49 CFR 172.203(e). RQ Reportable Quantity [29-05] Reportable Quantity	

	LH206	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		
			[29-06] HAZMAT Flashpoint Temperature Code		
			ELEMENT CONDITION: Required if LH207 is used.		
			FA		
			Fahrenheit		
			[29-06] Fahrenheit		
	LH207	408	Temperature	X	R 1/4
			Temperature		
			[29-07] HAZMAT Flashpoint Temperature		
			ELEMENT CONDITION: Required if LH206 is used.		
X	LH208	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		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	LH209	408	Temperature	X	R 1/4
			Temperature		
X	LH210	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		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	LH211	408	Temperature	X	R 1/4
			Temperature		

Segment: L3 Total Weight and Charges

Position: 010

Loop:

Level: Summary

Usage: Mandatory

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: [40] L3 SEGMENT - Shipment Totals

Data Element Summary

Ref.	Data Element	Name	Attributes
>>	L301	81 Weight	X R 1/10
		Numeric value of weight	
		[40-01] Total Shipment Weight	
>>	L302	187 Weight Qualifier	X ID 1/2
		Code defining the type of weight	
		[40-02] Weight Qualifier	
		Use code value 'G' only if requesting movement for a stuffed container or loaded trailer.	
		FR Freight Weight	
		[40-02] Freight Weight	
		G Gross Weight	
		[40-02] Gross Weight	
X	L303	60 Freight Rate	X R 1/9
		Rate that applies to the specific commodity	
X	L304	122 Rate/Value Qualifier	X ID 2/2
		Code qualifying how to extend charges or interpret value	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	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	
X	L306	191 Advances	O N2 1/9
		Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified	
X	L307	117 Prepaid Amount	O N2 1/9
		Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified	
X	L308	150 Special Charge or Allowance Code	O ID 3/3
		Code identifying type of special charge or allowance	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
>>	L309	183 Volume	X R 1/8
		Value of volumetric measure	
		[40-09] Total Shipment Volume	

>>	L310	184	Volume Unit Qualifier	X	ID 1/1
			Code identifying the volume unit		
			[40-10] Volume Unit Qualifier		
			E Cubic Feet		
			[40-10] Cubic Feet		
>>	L311	80	Lading Quantity	O	N0 1/7
			Number of units (pieces) of the lading commodity		
			[40-11] Total Shipment Units		
>>	L312	188	Weight Unit Code	O	ID 1/1
			Code specifying the weight unit		
			[40-12] Units Qualifier		
			Qualifies weight value in L301.		
			L Pounds		
			[40-12] Pounds		
X	L313	171	Tariff Number	O	AN 1/7
			Standard tariff number for the tariff which governs the rates applied to the commodity item(s)		
X	L314	74	Declared Value	X	N2 2/12
			Monetary assigned value expressed in the standard monetary denomination for the currency specified		
X	L315	122	Rate/Value Qualifier	X	ID 2/2
			Code qualifying how to extend charges or interpret value		
			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: [41] SE SEGMENT - 3rd Party Logistics Transportation Service Request Trailer

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
M	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
			[41-01] Number of Included Segments	
M	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			[41-02] 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.	

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. The application notes section below describes the application specific to this IC element matrix.

HOW TO READ THE IC ELEMENT MATRIX

To read the matrix, trading 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 “Carrier Shipment ID.” This is more concise than using the generic X12 label of “Shipment Identification Number.” 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 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.
- 12 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 GBL Information Request. DoD coordinated the IC elements between transportation activities involved in the DoD electronic data interchange effort.

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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		ST SEGMENT - 3rd Party Logistics Transportation Service Request Header Use this implementation convention (IC) for 3rd Party Logistics Transportation Service Request.	M	1	010	M	1								
1-01		Transaction Set Identifier Code 219 - Logistics Service Request	M ID 3/3	1	010	M	1				ST01	143	M	ID	3/3
1-02		Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set. The application and structure of the control number must be agreed upon between trading partners. (For example, 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		B9 SEGMENT - Record Number/Purpose/Shipment Method	M	1	020	M	1								
2-01		Offer Record Number Enter a unique logistics identification number assigned by the originator of this transaction set.	M AN 1/30	1	020	M	1				B901	127	M	AN	1/30
															B901 is the logistics identification number.
2-02		Transaction Set Purpose Code 00 - Original Use '00' to denote Original Offer. 01 - Cancellation 04 - Change 14 - Advance Notification Use '14' to denote Pre-Offer Notice (no X12 220 response required).	M ID 2/2	1	020	M	1				B902	353	M	ID	2/2
2-03		Shipment Method of Payment CC - Collect CD - Collect on Delivery PP - Prepaid (by Seller) TP - Third Party Pay	M ID 2/2	1	020	M	1				B903	146	O	ID	2/2
3		B9A SEGMENT - Service Request Code	M	1	030	M	7								

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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	
3-01		Service Request Code RE - Rate Estimate <i>Use 'RE' to denote this is a Defense Freight Transportation Services (DFTS) shipment.</i>	M ID 2/2	1	030	M	7				B9A01	1644	M	ID 2/2
4		L11 SEGMENT - Bill of Lading Cross Reference SEGMENT CONDITION: Used to pass Bill of Lading cross reference information only.	C	1	040	O	99							
														At least one of L1101 or L1103 is required. If either L1101 or L1102 is present, then the other is required.
4-01		Reference Identification Associated Bill of Lading number	M AN 1/30	1	040	O	99				L1101	127	C	AN 1/30
4-02		Reference Identification Qualifier BM - Bill of Lading Number	M ID 2/2	1	040	O	99				L1102	128	C	ID 2/3
5		L11 SEGMENT - Originating System for the Offer Record SEGMENT CONDITION: Use to identify Originating System for the Offer Record	C	1	040	O	99							
														At least one of L1101 or L1103 is required. If either L1101 or L1102 is present, then the other is required.
5-01		Originating System Originating System for the Offer Record	M AN 1/30	1	040	O	99				L1101	127	C	AN 1/30
5-02		Originating System Qualifier OH - Origin House <i>Use 'OH' to denote Originating System.</i>	M ID 2/2	1	040	O	99				L1102	128	C	ID 2/3
6		L11 SEGMENT - Original Offer Number SEGMENT CONDITION: Use this segment to indicate the Original Offer Number if this 219D is being resubmitted.	C	1	040	O	99							
														At least one of L1101 or L1103 is required. If either L1101 or L1102 is present, then the other is required.
6-01		Original Offer Number Offer number for previous version of the 219D	M AN 12/18	1	040	O	99				L1101	127	C	AN 1/30
6-02		Original Offer Number Qualifier F8 - Original Reference Number <i>Use 'F8' to denote Original Offer Number.</i>	M ID 2/2	1	040	O	99				L1102	128	C	ID 2/3
7		L11 SEGMENT - Time Definite Service Level (TDSL) SEGMENT CONDITION: Use this segment to indicate a Time Definite Service Level (TDSL) 219D	C	1	040	O	99							
														At least one of L1101 or L1103 is required. If either L1101 or L1102 is present, then the other is required.

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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		TDSL Flag Flag indicating whether this is a TDSL Request 1 - 1 Day TDSL Request 2 - 2 Day TDSL Request 3 - 3 Day TDSL Request F - Non-TDSL Request	M AN 1/1	1	040	O	99				L1101	127	C AN	1/30
7-02		TDSL Flag Qualifier TD - Reason for Change <i>Use 'TD' to denote TDSL Flag.</i>	M ID 2/2	1	040	O	99				L1102	128	C ID	2/3
8		MS3 SEGMENT - Suggested Transportation Mode SEGMENT CONDITION: Use only when recommending Transportation Mode for a TDSL segment.	C	1	050	O	99							
8-01		Standard Carrier Alpha Code Insert the SCAC of the 3rd Party Logistics (3PL) Coordinator 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	050	O	99				MS301	140	M ID	2/4
8-02		Routing Sequence Code B - Origin/Delivery Carrier (Any Mode)	M ID 1/1	1	050	O	99				MS302	133	M ID	1/2

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
8-04		Transportation Method/Type Code A - Air AE - Air Express AF - Air Freight DW - Driveaway, Truckaway, Towaway J - Motor <i>Use 'J' to denote Motor, Truckload.</i> L - Contract Carrier <i>Use 'L' to denote Scheduled/Dedicated Trucks.</i> LT - Less Than Trailer Load (LTL) <i>Use 'LT' to denote Motor, Less than Truckload.</i> R - Rail <i>Use 'R' to denote Rail, Carload.</i> X - Intermodal (Piggyback)	M	ID	1/1	1	050	O	99			MS304	91	O	ID	1/2
9		ITA SEGMENT - Accessorial/Special Handling Request SEGMENT CONDITION: Use when accessorial services or special handling is requested. Not used for pre-offer notices.	C			1	060	O	20							
9-01		Accessorial/Special Handling Request Code S - Service	M	ID	1/1	1	060	O	20			ITA01	248	M	ID	1/1
9-04		Allowance or Charge Method of Handling Code Use code value 'ZZ' to satisfy X12 syntax requirements. CHANGE NOTE: Data element added to satisfy X12 requirements per DM 732. ZZ - Mutually Defined	M	ID	2/2	1	060	O	20			ITA04	331	M	ID	2/2
9-13		Accessorial/Special Handling Request Description Insert the projected accessorial services that may be required for the shipment unit. See Section 6 for list of data values.	M	AN	3/3	1	060	O	20			ITA13	352	C	AN	1/80
10		NTE SEGMENT - Rate Structure Tier Requested SEGMENT CONDITION: Use this segment to indicate the rate structure requested under the DFTS contract. Use of this segment is required for all DFTS transportation service requests except those transported by rail.	C			1	070	O	10							

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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			
10-01		Rate Structure Tier Qualifier TRA - Transportation <i>Use 'TRA' to denote DFTS Rate Structure Tier.</i>	M	ID	3/3	1	070	O	10			NTE01	363	O	ID	3/3	
10-02		Note/Special Instruction Use this element to indicate the DFTS Rate Structure Tier requested by the DFTS shipper 12 - 12/24 Rate Structure Tier 24 - 24/48 Rate Structure Tier 4 - 4/8 Rate Structure Tier	M	ID	1/2	1	070	O	10			NTE02	352	M	AN	1/80	
11		NTE SEGMENT - Number of Vehicles Requested SEGMENT CONDITION: Use when requesting truckload moves and the shipper knows the number trucks required for the move. Not used for pre-offer notices. If requesting more than 99 vehicles, use a separate 219.	C			1	070	O	10								
11-01		Number of Vehicles Requested Qualifier EED - Equipment Description <i>Use 'EED' to denote Number of Vehicles Requested.</i>	M	ID	3/3	1	070	O	10			NTE01	363	O	ID	3/3	
11-02		Number of Vehicles Requested Enter numeric value of the number of vehicles being requested. Not used for pre-offer notices. ELEMENT CONDITION: Not used for pre-offer notices.	C	AN	1/2	1	070	O	10			NTE02	352	M	AN	1/80	
12		NTE SEGMENT - Note/Special Instruction SEGMENT CONDITION: Use this segment to report additional free-form special instructions/requests to the 3rd Party Logistics Coordinator, such as more detailed information on pickup location, appointment requirements, and other ancillary detail not provided elsewhere in the transaction. If needed, this special instructions segment may be used up to eight (8) times.	C			1	070	O	10								
12-01		Note Reference Code ADD - Additional Information	M	ID	3/3	1	070	O	10			NTE01	363	O	ID	3/3	
12-02		Note/Special Instruction Enter free-form text for additional/special instructions to the 3rd Party Logistics coordinator.	M	AN	1/80	1	070	O	10			NTE02	352	M	AN	1/80	

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DoD INFORMATION				X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
13		N7 SEGMENT - Equipment Used/Requested SEGMENT CONDITION: Use this segment when 1) directly loading a pooled trailer at the shipper's location, 2) if requesting special equipment (low-boy, air cushioned, flatbed, etc.) from the coordinator, or 3) if offering a government owned or leased railcar to the coordinator. Not used for pre-offer notices.	C	1	080	O	1	99	1	1000				
13-01		Equipment Initials If directly loading a pooled trailer, enter the SCAC of the carrier that owns the equipment. Otherwise, enter value '0'. SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association	M AN 1/4	1	080	O	1	99	1	1000	N701	206	O AN	1/4
13-02		Equipment Number If directly loading a pooled trailer, enter the serial number of the equipment. Otherwise, enter value '0' to satisfy X12 syntax requirements.	M AN 1/10	1	080	O	1	99	1	1000	N702	207	M AN	1/10
13-03		Equipment Weight Capacity Express in 1000 lb units. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	C R 1/10	1	080	O	1	99	1	1000	N703	81	C R	1/10
13-04		Weight Qualifier ELEMENT CONDITION: Required if N703 is used. N - Actual Net Weight	C ID 1/1	1	080	O	1	99	1	1000	N704	187	C ID	1/2
13-08		Equipment Cube	C R 1/8	1	080	O	1	99	1	1000	N708	183	C R	1/8
13-09		Equipment Cube Qualifier ELEMENT CONDITION: Required if N708 is used. E - Cubic Feet	C ID 1/1	1	080	O	1	99	1	1000	N709	184	C ID	1/1
13-13		Temperature Control Use to specify temperature setting for reefer shipments. If necessary, indicate minimum and maximum temperature (e.g., -10+30.). Report all temperatures in Fahrenheit.	C AN 3/6	1	080	O	1	99	1	1000	N713	319	O AN	3/6
13-15		Equipment Length Report in FFFII format.	C NO 4/5	1	080	O	1	99	1	1000	N715	567	O NO	4/5

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DoD INFORMATION				X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
13-22		Equipment Type Enter code to identify the equipment type. Use DoD equipment codes. Left justify the code and fill to the right with the lower case 'x' until a length of four characters is attained. See Section 6 for list of data values.	M ID 4/4	1	080	O	1	99	1	1000	N722	24	O ID	4/4
14		S5 SEGMENT - Pick-up Location LOOP CONDITION: Mandatory for EDI 219A transactions that are an original, change, or pre-offer (B902='00', '04', or '14' respectively). The S5 loop is not required for cancellations of the entire 219A (B902='01'). This S5 loop describes shipment pickup information and pickup location.	C	2	010	O	1	99	1	2000				
14-01		Stop Sequence Number Enter value one (1) and increment by one for each successive S5 segment.	M N0 1/3	2	010	O	1	99	1	2000	S501	165	M N0	1/3
14-02		Stop Reason Code LD - Load	M ID 2/2	2	010	O	1	99	1	2000	S502	163	M ID	2/2
15		G62 SEGMENT - Requested Pick-up Date	M	2	020	O	2	99	1	2000				
15-01		Requested Pick-up Date Qualifier 10 - Requested Ship Date/Pick-up Date <i>Use '10' to denote Requested Pick-up Date.</i>	M ID 2/2	2	020	O	2	99	1	2000	G6201	432	C ID	2/2
15-02		Requested Pick-up Date Format is CCYYMMDD.	M DT 8/8	2	020	O	2	99	1	2000	G6202	373	C DT	8/8
15-03		Time Qualifier ELEMENT CONDITION: If available, data must be sent I - Earliest Requested Pick Up Time K - Latest Requested Pick Up Time U - Scheduled Pick Up Time	C ID 1/1	2	020	O	2	99	1	2000	G6203	176	C ID	1/2
15-04		Requested Pick-up Time Format is 'HHMM'.	C TM 4/4	2	020	O	2	99	1	2000	G6204	337	C TM	4/8

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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	
15-05		Time Code ELEMENT CONDITION: Required if G6204 is present. SOURCE: ISO 8601 available from American National Standards Institute LT - Local Time UT - Universal Time Coordinate	C	ID	2/2	2	020	O	2	99	1	2000	G6205	623	O ID 2/2
16		N1 SEGMENT - Origin (SF) Data	M			2	050	O	1	1	2	2100			At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.
16-01		Origin Name Qualifier SF - Ship From	M	ID	2/2	2	050	O	1	1	2	2100	N101	98	M ID 2/3
16-02		Origin Name	C	AN	1/60	2	050	O	1	1	2	2100	N102	93	C AN 1/60
16-03		DoDAAC/CAGE Qualifier 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	050	O	1	1	2	2100	N103	66	C ID 1/2
16-04		Origin DoDAAC/CAGE If DoDAAC/CAGE is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the origin is required in the associated N1 loop.	M	AN	5/6	2	050	O	1	1	2	2100	N104	67	C AN 2/80
17		N2 SEGMENT - Additional Origin Name SEGMENT CONDITION: Use if additional origin name applies.	C			2	060	O	1	1	2	2100			
17-01		Additional Origin Name	M	AN	1/60	2	060	O	1	1	2	2100	N201	93	M AN 1/60
18		N3 SEGMENT - Origin (SF) Street Address	M			2	070	O	2	1	2	2100			
18-01		Origin Street Address	M	AN	1/55	2	070	O	2	1	2	2100	N301	166	M AN 1/55
19		N4 SEGMENT - Origin (SF) City Name and State/ZIP Codes	M			2	080	O	1	1	2	2100			
19-01		Origin City Name	M	AN	2/30	2	080	O	1	1	2	2100	N401	19	O AN 2/30
															A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

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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		
19-02		Origin State Code SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	M ID 2/2	2	080	O	1	1	2	2100	N402	156	O	ID 2/2	
				N402 is required only if city name (N401) is in the U.S. or Canada.											
19-03		Origin ZIP 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	M ID 5/9	2	080	O	1	1	2	2100	N403	116	O	ID 3/15	
19-05		Origin Location 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	C ID 1/2	2	080	O	1	1	2	2100	N405	309	C	ID 1/2	
19-06		Origin SPLC	C AN 1/30	2	080	O	1	1	2	2100	N406	310	O	AN 1/30	
20		PER SEGMENT - Shipper Point of Contact SEGMENT CONDITION: Use when Issuing Officer data is applicable. Not used for pre-offer notices.	C	2	090	O	3	1	2	2100					
				If either PER03 or PER04 is present, then the other is required. If either PER05 or PER06 is present, then the other is required. If either PER07 or PER08 is present, then the other is required.											
20-01		Shipper Point of Contact Qualifier IO - Issuing Officer SH - Shipper Contact	M ID 2/2	2	090	O	3	1	2	2100	PER01	366	M	ID 2/2	
20-02		Shipper Point of Contact Name	C AN 1/60	2	090	O	3	1	2	2100	PER02	93	O	AN 1/60	
20-03		Telephone Number Qualifier TE - Telephone	M ID 2/2	2	090	O	3	1	2	2100	PER03	365	C	ID 2/2	
20-04		Shipper Point of Contact Telephone Number Enter shipper's commercial telephone number (include area code) and any associated extension numbers.	M AN 10/80	2	090	O	3	1	2	2100	PER04	364	C	AN 1/80	
21		LX SEGMENT - Freight Piece Loop Provide one LX loop for each piece of freight. If shipping multiple pieces under a single transportation control number (TCN), use a separate LX loop for each piece, but use the same TCN.	M	2	200	O	1	999	2	2300					
21-01		Assigned Loop Number Begin with the value one (1) and increment by one for each shipment unit.	M N0 1/6	2	200	O	1	999	2	2300	LX01	554	M	N0 1/6	

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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		
22		LCT SEGMENT - Shipment Unit	M	2	210	O	1	999	2	2300					
				If either LCT04 or LCT05 is present, then the other is required. If LCT06 is present, then at least one of LCT07, LCT08, or LCT09 is required. If LCT07 is present, then LCT06 is required. If LCT08 is present, then LCT06 is required. If LCT09 is present, then LCT06 is required. If either LCT10 or LCT11 is present, then the other is required.											
22-01		Shipment Unit TCN Use lead TCN of shipment unit (container TCN, lead TCN, pallet TCN, etc.) for the shipment unit.	M AN 17/17	2	210	O	1	999	2	2300	LCT01	127	M AN	1/30	
				LCT01 is the container identification number.											
22-02		Type Pack Code Code for packaging form of the lading quantity. Enter X12 Type Pack Code (e.g., BOX, CAS, CNT, CTN, PCS, PCT, etc.). (See Section 6.0 (DTEB Transportation Service Request Implementation Convention) for appropriate code values. See Section 6 for list of data values.	M ID 3/3	2	210	O	1	999	2	2300	LCT02	211	M ID	3/3	
				LCT12 should only be used when LCT02 is equal to PLT.											
22-03		Description ELEMENT CONDITION: If available, use NMFC text description of the unit(s) being shipped. Otherwise, provide a clear text description of the items in the shipment unit. If the shipment unit is a consolidation, enter value 'MIXED CARGO'.	C AN 1/80	2	210	O	1	999	2	2300	LCT03	352	O AN	1/80	
22-04		Shipment Unit Weight Qualifier L - Pounds	M ID 1/1	2	210	O	1	999	2	2300	LCT04	188	C ID	1/1	
22-05		Shipment Unit Weight Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	M R 1/8	2	210	O	1	999	2	2300	LCT05	395	C R	1/8	
22-06		Shipment Unit Measurement Unit Qualifier ELEMENT CONDITION: Provide if available. E - Feet N - Inches	C ID 1/1	2	210	O	1	999	2	2300	LCT06	90	C ID	1/1	
22-07		Shipment Unit Length ELEMENT CONDITION: Provide if available.	C R 1/8	2	210	O	1	999	2	2300	LCT07	82	C R	1/8	
22-08		Shipment Unit Width ELEMENT CONDITION: Provide if available.	C R 1/8	2	210	O	1	999	2	2300	LCT08	189	C R	1/8	

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22-09		Shipment Unit Height ELEMENT CONDITION: Provide if available.	C	R	1/8	2	210	O	1	999	2	2300	LCT09	65	C R	1/8
22-10		Shipment Unit Volume Unit Qualifier E - Cubic Feet	M	ID	1/1	2	210	O	1	999	2	2300	LCT10	184	C ID	1/1
22-11		Shipment Unit Volume Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	M	R	1/8	2	210	O	1	999	2	2300	LCT11	183	C R	1/8
23		AMT SEGMENT - Shipment Unit Monetary Amount SEGMENT CONDITION: Use AMT segment to provide a declared value of the line item	C			2	240	O	1	999	2	2300				
23-01		Declared Value Code 1 - Line Item Total	M	ID	1/1	2	240	O	1	999	2	2300	AMT01	522	M ID	1/3
23-02		Declared Value Enter in US Dollars the value of the shipment unit.	M	R	1/18	2	240	O	1	999	2	2300	AMT02	782	M R	1/18
24		L11 SEGMENT - Special Handling Minimum Temperature Allowed SEGMENT CONDITION: Use the segment when special temperature handling is required.	C			2	260	O	10	999	2	2300				
24-01		Special Handling Minimum Temperature Allowed Enter minimum temperature (in Fahrenheit) at which freight may be kept.	M	AN	1/3	2	260	O	10	999	2	2300	L1101	127	C AN	1/30
24-02		Minimum Temperature Qualifier SU - Special Processing Code <i>Use 'SU' to denote Minimum Temperature Allowed.</i>	M	ID	2/2	2	260	O	10	999	2	2300	L1102	128	C ID	2/3
25		L11 SEGMENT - Special Handling Maximum Temperature Allowed SEGMENT CONDITION: Use the segment when special temperature handling is required.	C			2	260	O	10	999	2	2300				
25-01		Special Handling Maximum Temperature Allowed Enter maximum temperature (in Fahrenheit) at which freight may be kept.	M	AN	1/3	2	260	O	10	999	2	2300	L1101	127	C AN	1/30
25-02		Maximum Temperature Qualifier HQ - Reinsurance Reference <i>Use 'HQ' to denote Maximum Temperature Allowed.</i>	M	ID	2/3	2	260	O	10	999	2	2300	L1102	128	C ID	2/3

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
26		L11 SEGMENT - Stackable Flag SEGMENT CONDITION: The L11 segment at index 26 should be passed if a line item is stackable, otherwise do no pass this segment	C	2	260	O	10	999	2	2300					
26-01		Stackable Flag "STACKABLE" is to be used when a shipment is arranged, crated, packaged, or designed physically so that it can be placed on top or below other shipments to optimize space and without causing damage to equipment, other shipments, or shipment contents. If a line item is not stackable, then the L11 segment at index 26 would not be passed.	M AN 9/9	2	260	O	10	999	2	2300	L1101	127	C	AN	1/30
26-02		Stackable Qualifier ZZ - Mutually Defined <i>Use 'ZZ' to denote Stackable Flag.</i>	M ID 2/3	2	260	O	10	999	2	2300	L1102	128	C	ID	2/3
27		G61 SEGMENT - Emergency Contact SEGMENT CONDITION: Used only if shipment contains hazardous materials. Repeat this segment as required to pass two emergency phone numbers, one for commercial and the other toll free.	C	2	270	O	1	99	3	2350					
27-01		Emergency Contact Qualifier EM - Emergency Contact	M ID 2/2	2	270	O	1	99	3	2350	G6101	366	M	ID	2/2
27-02		Emergency Contact Name	M AN 1/60	2	270	O	1	99	3	2350	G6102	93	M	AN	1/60
27-03		Telephone Number Qualifier AP - Alternate Telephone <i>Use 'AP' to denote Toll-free Emergency Number.</i> TE - Telephone <i>Use 'TE' to denote Commercial Emergency Number.</i>	C ID 2/2	2	270	O	1	99	3	2350	G6103	365	C	ID	2/2
27-04		Emergency Contact Telephone Number Enter shipper's commercial telephone number (include area code) and any associated extension numbers.	C AN 10/80	2	270	O	1	99	3	2350	G6104	364	C	AN	1/80
28		LH1 SEGMENT - HAZMAT Quantities SEGMENT CONDITION: Required if the shipment contains hazardous material.	C	2	300	O	1	25	4	2355					

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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		
28-01		HAZMAT - Unit Of Measure Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken. Contains the code identifying the Unit of Measure (type of packaging) for which the data in LH102 is reported. See Section 6 for a list of the LH101 supported codes (cross referenced from Type Pack Code passed in the LCT02, DE211).Use LH106 to express weight and volume for non-bulk shipments. Refer to the X12 Standard, DE355 for applicable codes.	M ID 2/2	2	300	O	1	25	4	2355	LH101	355	M ID 2/2		
				LH101 and LH102 are used to convey the number and type of packages for bulk and nonbulk movements.											
28-02		HAZMAT - Lading Quantity Contains the number of units (pieces) of the lading commodity that is Hazardous. Reference 49 CFR 172.202(c).	M NO 1/7	2	300	O	1	25	4	2355	LH102	80	M NO 1/7		
28-03		HAZMAT - UN/NA ID Code Contains the United Nations/North America (UN/NA) code. SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	M ID 6/6	2	300	O	1	25	4	2355	LH103	277	O ID 6/6		
28-06		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. Refer to the X12 Standard, DE355 for applicable codes. Use LH101 to express type of packaging. ELEMENT CONDITION: Required if LH107 is used.	C ID 2/2	2	300	O	1	25	4	2355	LH106	355	O ID 2/2		
				LH106 and LH107 are used to convey the quantity or volume and unit of measure for nonbulk shipments only.											
28-07		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	300	O	1	25	4	2355	LH107	380	O R 1/15		
28-09		HAZMAT - Residue Indicator Code R - Residue Last Contained Description (Tank Car) <i>Use 'R' to denote Unit being shipped is empty and contains a residue from a prior movement, reference 40 CFR 172.203(e).</i>	C ID 1/1	2	300	O	1	25	4	2355	LH109	665	O ID 1/1		
				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.											
28-10		HAZMAT - Packing Group Code Indicate the required packing group using Roman Numeral I, II, or III to indicate the degree of danger as shown in column 5 of 49 CFR, Table 172.101. SOURCE: The Canadian Gazette, Part II available from Canadian Government Publishing Centre Supply and Services Canada	C ID 1/3	2	300	O	1	25	4	2355	LH110	254	O ID 1/3		
29		LH2 SEGMENT - HAZMAT Classification SEGMENT CONDITION: Required for loaded and unloaded HAZMAT shipments.	C	2	310	O	4	25	4	2355					
				If either LH206 or LH207 is present, then the other is required. If either LH208 or LH209 is present, then the other is required. If either LH210 or LH211 is present, then the other is required.											

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29-01		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 MN 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: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	M	ID	1/30	2	310	O	4	25	4	2355	LH201	215	O	ID	1/30
29-02		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	310	O	4	25	4	2355	LH202	983	O	ID	1/1
29-05		HAZMAT - Reportable Quantity ELEMENT CONDITION: Required if necessary to indicate a reportable quantity is present in the shipment. For empty packagings or units containing the residue of a hazardous material, reference 49 CFR 172.203(e). RQ - Reportable Quantity	C	ID	2/2	2	310	O	4	25	4	2355	LH205	759	O	ID	2/2
29-06		HAZMAT Flashpoint Temperature Code ELEMENT CONDITION: Required if LH207 is used. FA - Fahrenheit	C	ID	2/2	2	310	O	4	25	4	2355	LH206	355	C	ID	2/2
29-07		HAZMAT Flashpoint Temperature ELEMENT CONDITION: Required if LH206 is used.	C	R	1/4	2	310	O	4	25	4	2355	LH207	408	C	R	1/4
30		S5 SEGMENT - Delivery Location Loop LOOP CONDITION: This S5 loop describes shipment delivery information and delivery location. It may be repeated if shipment units are delivered to multiple locations.	C			2	010	O	1	99	1	2000					
30-01		Stop Sequence Number Per usage note in previous S5 segment, enter value two (2) and increment by one for each successive S5 segment.	M	N0	1/3	2	010	O	1	99	1	2000	S501	165	M	N0	1/3
30-02		Stop Reason Code UL - Unload	M	ID	2/2	2	010	O	1	99	1	2000	S502	163	M	ID	2/2

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31		G62 SEGMENT - Mandatory Delivery Date	M		2	020	O	2	99	1	2000					
					At least one of G6201 or G6203 is required. If either G6201 or G6202 is present, then the other is required. If either G6203 or G6204 is present, then the other is required.											
31-01		Mandatory Delivery Date Qualifier CHANGE NOTE: Code value changed to '67' per DM 637. 67 - Delivered By This Date <i>Use '67' to denote Mandatory Delivery Date (MDD).</i>	M	ID 2/2	2	020	O	2	99	1	2000	G6201	432	C	ID 2/2	
31-02		Mandatory Delivery Date Format is CCYYMMDD.	M	DT 8/8	2	020	O	2	99	1	2000	G6202	373	C	DT 8/8	
31-03		Time Qualifier ELEMENT CONDITION: Required if G6204 is used. G - Earliest Requested Deliver Time L - Latest Requested Delivery Time X - Scheduled Delivery Time	C	ID 1/1	2	020	O	2	99	1	2000	G6203	176	C	ID 1/2	
31-04		Time Format = "HHMM" CHANGE NOTE: Data Element name changed per DM 737.	C	TM 4/4	2	020	O	2	99	1	2000	G6204	337	C	TM 4/8	
31-05		Time Code CHANGE NOTE: User note corrected per DM 733. ELEMENT CONDITION: Required if G6204 is used. SOURCE: ISO 8601 available from American National Standards Institute LT - Local Time UT - Universal Time Coordinate	C	ID 2/2	2	020	O	2	99	1	2000	G6205	623	O	ID 2/2	
32		N1 SEGMENT - Ship-to (ST)	M		2	050	O	1	1	2	2100					
					At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.											
32-01		Ship-to (ST) Name Qualifier ST - Ship To	M	ID 2/2	2	050	O	1	1	2	2100	N101	98	M	ID 2/3	
32-02		Ship-to (ST) Name	M	AN 1/60	2	050	O	1	1	2	2100	N102	93	C	AN 1/60	

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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		
32-03		DoDAAC/CAGE Qualifier 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	050	O	1	1	2	2100	N103	66	C ID	1/2
32-04		Ship-to (ST) Identification Code If DoDAAC/CAGE is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the origin is required in the associated N1 loop.	M	AN	5/6	2	050	O	1	1	2	2100	N104	67	C AN	2/80
					This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.											
33		N2 SEGMENT - Additional Ship-to (ST) Name SEGMENT CONDITION: Use when Additional Ship-to Name applies.	C			2	060	O	1	1	2	2100				
33-01		Additional Ship-to (ST) Name	M	AN	1/60	2	060	O	1	1	2	2100	N201	93	M AN	1/60
34		N3 SEGMENT - Ship-to (ST) Street Address	M			2	070	O	2	1	2	2100				
34-01		Ship-to (ST) Street Address	M	AN	1/55	2	070	O	2	1	2	2100	N301	166	M AN	1/55
35		N4 SEGMENT - Ship-to (ST) City Name and State/ZIP Codes	M			2	080	O	1	1	2	2100				
					If N406 is present, then N405 is required.											
35-01		Ship-to (ST) City Name	M	AN	2/30	2	080	O	1	1	2	2100	N401	19	O AN	2/30
					A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.											
35-02		Ship-to (ST) State Code SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	M	ID	2/2	2	080	O	1	1	2	2100	N402	156	O ID	2/2
					N402 is required only if city name (N401) is in the U.S. or Canada.											
35-03		Ship-to (ST) ZIP 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	M	ID	5/9	2	080	O	1	1	2	2100	N403	116	O ID	3/15
35-05		Ship-to (ST) Location 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	C	ID	1/2	2	080	O	1	1	2	2100	N405	309	C ID	1/2
35-06		Ship-to (ST) SPLC	C	AN	1/30	2	080	O	1	1	2	2100	N406	310	O AN	1/30

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36		PER SEGMENT - Ship To Point of Contact SEGMENT CONDITION: Use when a contact at the destination location is needed/desired. Not used for pre-alert notices.	C		2	090	O	3	1	2	2100				
36-01		Ship To Point of Contact Qualifier DC - Delivery Contact	M	ID 2/2	2	090	O	3	1	2	2100	PER01	366	M	ID 2/2
36-02		Ship To Point of Contact Name ELEMENT CONDITION: If available, data must be sent	C	AN 1/60	2	090	O	3	1	2	2100	PER02	93	O	AN 1/60
36-03		Telephone Number Qualifier TE - Telephone	M	ID 2/2	2	090	O	3	1	2	2100	PER03	365	C	ID 2/2
36-04		Telephone Number	M	AN 10/80	2	090	O	3	1	2	2100	PER04	364	C	AN 1/80
37		LX SEGMENT - Delivery Stop-off Loop LOOP CONDITION: Use this loop to indicate which freight pieces will be delivered to a particular stop-off. Not needed otherwise.	C		2	200	O	1	999	2	2300				
37-01		Shipment Unit Loop Number Begin with the value one (1) and increment by one for each shipment unit.	M	N0 1/6	2	200	O	1	999	2	2300	LX01	554	M	N0 1/6
38		LCT SEGMENT - Shipment Unit at Stop-off	M		2	210	O	1	999	2	2300				
38-01		Shipment Unit TCN Use lead TCN of freight piece (container TCN, lead TCN, pallet TCN, etc.) for the shipment unit at this stop-off.	M	AN 17/17	2	210	O	1	999	2	2300	LCT01	127	M	AN 1/30
38-02		Type Pack Code Code for packaging form of the lading quantity. Enter X12 Type Pack Code (e.g., BOX, CAS, CNT, CTN, PCS, PCT, etc.). (See Section 6.0 (DTEB Transportation Service Request Implementation Convention) for appropriate code values. See Section 6 for list of data values.	M	ID 3/3	2	210	O	1	999	2	2300	LCT02	211	M	ID 3/3
39		AMT SEGMENT - Shipment Unit at Stop-Off Monetary Amount SEGMENT CONDITION: Use AMT segment to provide a declared value of the line item	C		2	240	O	1	999	2	2300				

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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			
39-01		Declared Value Code 1 - Line Item Total	M	ID	1/1	2	240	O	1	999	2	2300	AMT01	522	M	ID	1/3
39-02		Declared Value Enter in US Dollars the value of the shipment unit.	M	R	1/18	2	240	O	1	999	2	2300	AMT02	782	M	R	1/18
40		L3 SEGMENT - Shipment Totals	M			3	010	M	1								
40-01		Total Shipment Weight	M	R	1/10	3	010	M	1			L301	81	C	R	1/10	
40-02		Weight Qualifier Use code value 'G' only if requesting movement for a stuffed container or loaded trailer. FR - Freight Weight G - Gross Weight	M	ID	1/2	3	010	M	1			L302	187	C	ID	1/2	
40-09		Total Shipment Volume	M	R	1/8	3	010	M	1			L309	183	C	R	1/8	
40-10		Volume Unit Qualifier E - Cubic Feet	M	ID	1/1	3	010	M	1			L310	184	C	ID	1/1	
40-11		Total Shipment Units	M	N0	1/7	3	010	M	1			L311	80	O	N0	1/7	
40-12		Units Qualifier Qualifies weight value in L301. L - Pounds	M	ID	1/1	3	010	M	1			L312	188	O	ID	1/1	
41		SE SEGMENT - 3rd Party Logistics Transportation Service Request Trailer	M			3	020	M	1								
41-01		Number of Included Segments	M	N0	1/10	3	020	M	1			SE01	96	M	N0	1/10	

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
41-02		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 6.0

APPLICATION CODE LISTS

9-13 -- Accessorial/Special Handling Request Description

Data Value - Definition
020 - Address Correction
045 - Advancing Charges
405 - (1) Fuel Surcharge (for Tailored Transportation Contract Traffic Shipments and Air Shipments) (2) Fuel Adjustment (for Motor Shipments)
490 - Crane Operator at Destination
495 - Crane at Destination
500 - Crane at Origin
505 - Crane Operator at Origin
520 - (1) Overdimensional (Air Shipments), (2) Overdimension Permit (Motor Shipments)
675 - (1) Signature and Tally Record Service (for Tailored Transportation Contract Traffic Shipments and Air Shipments), (2) Signature Tally (for Motor Shipments)
AAM - Protective Material Provided for Blocking and Bracing
AAS - (1) Attendants Accompanying (for Rail Shipments), (2) Attendants for Rail Shipments (for Tailored Transportation Contract Traffic Shipments)
AFN - [Migration Code] Air Craft Furnished and Not Used
AIR - [Migration Code] Air
ARG - Rail Armed Guard Service
BLK - Blocking and Bracing Charge
BUA - Bunker Adjustment
CCS - Carrier Caboose Charge
CFC - Customs Fees - Container Level
CGC - Carrier Guard Cars
CGR - Government Caboose/Guard Cars Returned
CHN - Chains and Binders
CIS - (1) DoD Constant Surveillance Service (for Tailored Transportation Contract Traffic Shipments and for Air Shipments), (2) Constant Surveillance (for Motor Shipments)
CSP - Government Caboose Charge
CUF - Currency Adjustment Factor
DDN - (1) Dual Driver Protective Service with National Agency Check (for Air Shipments), (2) Dual Driver with National Agency Check (for Motor Shipments)
DDP - (1) Dual Driver Protective Service (for Air Shipments), (2) Dual Driver (for Motor Shipments)
DEL - Delivery Charge
DEM - Demurrage
DEP - (1) Detention: Vehicles with Power Units (for Tailored Transportation Contract Traffic Shipments), (2) Detention of Conveying Equipment and the Power Unit (for Motor Shipments)
DET - (1) Detention: Vehicles Without Power Units (for Tailored Transportation Contract Traffic Shipments), (2) Detention of Conveying Equipment Excluding the Power Unit (for Motor Shipments)
DPD - Drayage at Destination
DPE - Drayage at Origin
DSC - Discount
DTB - Detention of Vehicles
ECR - Escorts/Couriers
ECS - Empty Cars Ordered but Not Used
ELS - Extra Lights
EMT - Empty Movement
ERS - Empty Return
EVC - [Migration Code] Excess Valuation per DM 285
EXC - (1) Exclusive Use (for Rail Shipments), (2) Exclusive User of Vehicle (for Tailored Transportation Contract Traffic Shipments), (3) Exclusive Use Charge (for Motor Shipments)
EXD - Extra Driver
EXP - Expedited Service Charge
FCB - Freight Charge to Border
FCS - Furnishing Chassis for COFC Shipments
GSP - Government Guard Car Charge
GSS - Greater Security Service
HAZ - [Migration Code] Hazardous Material
HHB - [Migration Code] Handling freight not adjacent to vehicle
HOL - Sunday or Holiday Pick-up or Delivery
HRS - Heater or Refrigeration
IDC - Idler Car Charge
IMP - Impactographs
IMS - Intermodal Shipment
LDA - Carrier to Load
LDL - Carrier to Unload
LFD - Dedicated Switch Engine Crew at Destination
LFT - Lift Gate (Truck) or Forklift Service at Pick-Up/Delivery
LHS - Linehaul Service
LIE - Cargo Liability of Carrier (Tailored Transportation Contract Traffic Shipments), (2) Liability of Carrier Charge (for Motor Shipments)
LMD - Dedicated Switch Engine at Destination
LME - Dedicated Switch Engine at Origin
LTE - Dedicated Switch Engine Crew at Origin
MEN - Escort Service with Overnight Subsistence
MES - Escort (standard)
MET - Escort (telephones)
MNS - Motor Surveillance (12-hour calls)
MVS - Special Motor Surveillance Charge
PER - Overweight Permit
PRL - Prelodging
PSS - (1) Protective Service Security (for Air Shipments), (2) Protective Security (without armed drivers) (for Motor Shipments)
PTS - (1) Protective Tarping for Security Purposes (for Tailored Transportation Contract Traffic Shipments), (2) Protective Tarping (for Motor Shipments)
PUC - Urgent Pick-Up Service
PUD - (1) Pick-up and Delivery (for Rail Shipments), (2) Pick-up/Delivery o/t Normal Bus hours (for Tailored Transportation Contract Traffic Shipments), (3) Pickup or Delivery Before or After Normal Business Hours (for Air Shipments)
PVB - Bonded Privately Owned Vehicle Charge
RCC - (1) Reconsignment/Diversion (for Tailored Transportation Contract Traffic Shipments and Motor Shipments) , (2) Reconsignment Charge (for Air Shipments)
RCL - Redelivery
RDH - Technical Assistance for Loading Rail Cars

9-13 -- Accessorial/Special Handling Request Description (CONT)

Data Value - Definition
REP - Residential Pick-up
RES - Residential Delivery
RIS - [Migration Code] Rail Inspection Service
RLS - Relocation of Vehicle
RMC - Return of Empty Container Charge
RMP - Return Movement of Pallet Charge
RSS - Restricted Speeds
RSV - Reservations
SAT - (1) Saturday Pick-up Charge (for Rail Shipments), (2) Saturday Pick-up or Delivery Charge (for Tailored Transportation Contract Traffic Shipments and Motor Shipments), (3) Saturday Pickup or Delivery (for Air Shipments)
SDL - Split Delivery
SEV - (1) Security Escort Vehicle Vehicle (for Air Shipments), Security Escort Service (for Motor Shipments)
SFT - Special Train Service
SNS - Satellite Motor Surveillance
SOC - Stop-off Charge
SPU - Split Pickup
SRG - Storage
SRS - Surveying Routes
SSR - [Migration Code] Surveying Routes
SUP - Inspector Requested for Loading
SVS - Storage of Vehicles
TER - Carrier to Unblock, Unbrace, and Untie
TMV - Tendering of Multiple Vehicles
TOW - [Migration Code] Motor Towaway Service
TPA - [Migration Code] Carrier Equipment Pool Charge
TPS - Third-Party Service
URC - (1) Loading/Unloading (for Rail Shipments and Motor Shipments), (2) Loading/Unloading by Motor Carriers (for Tailored Transportation Contract Traffic Shipments)
VFN - Vehicles Furnished But Not Used
VIS - Vehicles Inoperable
VTS - Vehicles in Truckaway
WTG - [Migration Code] Waiting Time
WTV - Weight Verification Charge
Z01 - Motor Surveillance (1-hour calls)
Z04 - Motor Surveillance (4-hour calls)
Z08 - Motor Surveillance (8-hour calls)

13-22 -- Equipment Type

Data Value - Definition

8X - Pipeline
A10 - 410 Dromedary, 102" L x 75" 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
A18 - Propeller Trailer
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
AA3 - Van, closed air ride, over 40 ft
AB0 - Lowboy, level deck, 10 axles and over
AB2 - Lowboy, 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
AF5 - Flat bed w/Conestoga trailer 31-40 ft
AF6 - Flat bed w/Conestoga trailers over 40 ft
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

13-22 -- Equipment Type (CONT)

Data Value - Definition

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
 AQ0 - Removable Gooseneck , 10 Axles and Over
 AQ3 - Removable Gooseneck, 3 Axles
 AQ4 - Removable Gooseneck, 4 Axles
 AQ5 - Removable Gooseneck, 5 Axles
 AQ6 - Removable Gooseneck, 6 Axles
 AQ7 - Removable Gooseneck , 7 Axles
 AQ8 - Removable Gooseneck , 8 Axles
 AQ9 - Removable Gooseneck , 9 Axles
 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
 AW0 - Expandable Removable Gooseneck, 10 Axles and Over
 AW2 - Expandable Removable Gooseneck, 2 Axles
 AW3 - Expandable Removable Gooseneck, 3 Axles
 AW4 - Expandable Removable Gooseneck, 4 Axles
 AW5 - Expandable Removable Gooseneck, 5 Axles
 AW6 - Expandable Removable Gooseneck, 6 Axles
 AW7 - Expandable Removable Gooseneck, 7 Axles
 AW8 - Expandable Removable Gooseneck, 8 Axles
 AW9 - Expandable Removable Gooseneck, 9 Axles
 AX - Flat bed, all lengths (twist lock)
 AX0 - Jig Trailer, 10 Axles and over
 AX2 - Jig Trailer, 2 Axles
 AX3 - Jig Trailer, 3 Axles
 AX4 - Jig Trailer, 4 Axles
 AX5 - Jig Trailer, 5 Axles
 AX6 - Jig Trailer, 6 Axles
 AX7 - Jig Trailer, 7 Axles
 AX8 - Jig Trailer, 8 Axles
 AX9 - Jig Trailer, 9 Axles
 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
 EE - Bus
 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

13-22 -- Equipment Type (CONT)

Data Value - Definition

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
MF - Freight Forwarder (Surface)
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
QQ - Freight (Other than Freight Forwarder)
QU - Taxi
SS - Charter
TT - Freight Forwarder
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

22-02 -- Type Pack Code

Data Value - Definition
BAG - Bag ** Use 'BAG' to denote Bag, burlap or cloth.
BAL - Bale
BBL - Barrel
BDL - Bundle
BOX - Box
BSK - Basket or hamper ** Use 'BSK' to denote Basket.
CAB - Cabinet
CAN - Can
CAS - Case
CBY - Carboy
CNA - Household Goods Containers, Wood ** Use 'CNA' to denote HHG containers, wood.
CNB - Container, MAC-ISO (Military Airlift Container - International Standards Organization) Light Weight 8x8x20 Foot Air ** Use 'CNB' to denote Container, MAC-ISO, lt. wgt. 8x8x20 foot air.
CNC - Container, Navy cargo transporter
CND - Container, commercial highway lift
CNE - Engine container
CNF - Multiwall Container Secured to Warehouse Pallet ** Use 'CNF' to denote Multiwall container secured to warehouse plt.
CNT - Container ** Use 'CNT' to denote Container, other than CC, CM, CU, CW, MW, MX.
CNX - CONEX - Container Express ** Use 'CNX' to denote CONEX (Gov't owned container).
COL - Coil
CRD - Cradle ** Use 'CRD' to denote Engine cradle or dolly.
CRT - Crate
CTN - Carton
CYL - Cylinder
DRM - Drum
DUF - Duffle Bag ** Use 'DUF' to denote Dufflebag.
ENV - Envelope
HPR - Hamper
KEG - Keg
LSE - Loose ** Use 'LSE' to denote Loose, not packed.
MLV - MILVAN - Military Van ** Use 'MLV' to denote MILVAN.
MSV - MSCVAN - Military Sealift Command Van ** Use 'MSV' to denote MSCVAN.
MXD - Mixed Type Pack ** Use 'MXD' to denote Mixed.
PAL - Pail
PCS - Pieces ** Use 'PCS' to denote Piece.
PLL - [Migration Code] 463L Air Pallet
PLT - Pallet ** Use 'PLT' to denote Palletized unit load other than code MW.
REL - Reel
ROL - Roll
SAK - Sack ** Use 'SAK' to denote Sack, paper.
SCS - Suitcase
SHT - Sheet
SKD - Skid
SKE - Skid, elevating or lift truck ** Use 'SKE' to denote Skid, box.
SPL - Spool
SVN - SEAVAN - Sea Van ** Use 'SVN' to denote SEAVAN.
TBE - Tube
TBN - Tote Bin ** Use 'TBN' to denote SEAVAN - TOTE.
TKR - Tank Car
TKT - Tank Truck
TRK - Trunk and Chest ** Use 'TRK' to denote Footlocker (Trunk).
TRU - Truck
TUB - Tub
UNT - Unit ** Use 'UNT' to denote Unitized (use RT for unitized cargo on RORO).
VEH - Vehicles ** Use 'VEH' to denote Vehicle.
VOC - Vehicle in Operating Condition
VPK - Van Pack ** Use 'VPK' to denote Van chassis.

22-02 -- Type Pack Code (CONT)

Data Value - Definition
WHE - On Own Wheel ** Use 'WHE' to denote RORO (roll-off, roll-on). WRP - Wrapped

38-02 -- Type Pack Code

Data Value - Definition
BAG - Bag ** Use 'BAG' to denote Bag, burlap, or cloth.
BAL - Bale
BBL - Barrel
BDL - Bundle
BOX - Box
BSK - Basket or hamper ** Use 'BSK' to denote Basket.
CAB - Cabinet
CAN - Can
CAS - Case
CBY - Carboy
CNA - Household Goods Containers, Wood ** Use 'CNA' to denote HHG Containers, wood.
CNB - Container, MAC-ISO (Military Airlift Container - International Standards Organization) Light Weight 8x8x20 Foot Air ** Use 'CNB' to denote Container, MAC-ISO, lt. wgt. 8x8x20 foot air.
CNC - Container, Navy cargo transporter
CND - Container, commercial highway lift
CNE - Engine Container
CNF - Multiwall Container Secured to Warehouse Pallet ** Use 'CNF' to denote Multiwall container secured to warehouse plt.
CNT - Container ** Use 'CNT' to denote Container, other than CC, CM, CU, CW, MW, MX.
CNX - CONEX - Container Express ** Use 'CNX' to denote CONEX (Gov't owned container).
COL - Coil
CRD - Cradle ** Use 'CRD' to denote Engine cradle or dolly.
CRT - Crate
CTN - Carton
CYL - Cylinder
DRM - Drum
DUF - Duffle Bag ** Use 'DUF' to denote Dufflebag.
ENV - Envelope
HPR - Hamper
KEG - Keg
LSE - Loose ** Use 'LSE' to denote Loose, not packed.
MLV - MILVAN - Military Van ** Use 'MLV' to denote MILVAN.
MSV - MSCVAN - Military Sealift Command Van ** Use 'MSV' to denote MSCVAN.
MXD - Mixed Type Pack ** Use 'MXD' to denote Mixed.
PAL - Pail
PCS - Pieces ** Use 'PCS' to denote Piece.
PLL - 463L Pallet
PLT - Pallet ** Use 'PLT' to denote Palletized unit load other than code MW.
REL - Reel
ROL - Roll
SAK - Sack ** Use 'SAK' to denote Sack, paper.
SCS - Suitcase
SHT - Sheet
SKD - Skid
SKE - Skid, elevating or lift truck ** Use 'SKE' to denote Skid, box.
SPL - Spool
SVN - SEAVAN - Sea Van ** Use 'SVN' to denote SEAVAN.
TBE - Tube
TBN - Tote Bin ** Use 'TBN' to denote SEAVAN - TOTE.
TKR - Tank Car
TKT - Tank Truck
TRK - Trunk and Chest ** Use 'TRK' to denote Footlocker (Trunk).
TRU - Truck
TUB - Tub
UNT - Unit ** Use 'UNT' to denote Unitized (use RT for unitized cargo on RORO).
VEH - Vehicles ** Use 'VEH' to denote Vehicle.
VOC - Vehicle in Operating Condition
VPK - Van Pack ** Use 'VPK' to denote Van chassis.

38-02 -- Type Pack Code (CONT)

Data Value - Definition
WHE - On Own Wheel ** Use 'WHE' to denote RORO (roll-off, roll-on). WRP - Wrapped