Department
of
Defense

DoD Transportation Electronic Business (DTEB) Convention

ASC X12 Transaction Set 214
Shipment Information
(Version 004010) – Motor Carrier
Shipment Status

VERSION 10

December 2023

Department
of
Defense

DoD Transportation Electronic Business (DTEB) Convention

ASC X12 Transaction Set 214
Shipment Information
(Version 004010) – Motor Carrier
Shipment Status

VERSION 10

CONTENTS

(Blank Page)

Section 1.0

INTRODUCTION

This implementation convention (IC) describes the standard or convention Department of Defense (DoD) will use to process the Motor Carrier Shipment Status Message (ASC ANSI 214) in support of the Defense Transportation Electronic Business (DTEB) program.

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
Transcom.scott.tcj6.mbx.dteb-committee@mail.mil

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

https://www.ustranscom.mil/cmd/associated/dteb/dod-transportation.cfm

Who Needs to Use This Document

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

Why Use a Convention

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

Contents

Additional sections are included in this document.

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

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

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

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

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

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

What's New In Version 10

1.3

Added in Version 10

DM Number	DM Description	Approval Date
1341	In the 214.A.004010 Version 10, At index 22-01 in the AT701 add code 'X3 - Arrived at Pick-up Location'	12/4/2023

What's New In Version 9

Added in Version 9

DM Number	DM Description	Approval Date
1308	Add Additional L11 Segment (Position 030) at proposed index 8 as follows: L11 - Use this segment to indicate TMS (AAFES) Billing Reference Number L1101 – TMS Billing Reference Number L1102 - 6R = TMS Billing Reference Number Qualifier X12 Definition: 6R = Provider Control Number (Number assigned by information provider company for tracking and billing purposes) L1103 - TMS Billing Reference Number Description Usage Note: Pass the phrase 'TMS Billing Reference Number' when L1102 contains '6R'.	5/17/2019

Added in Version 8

DM Number	DM Description	Approval Date
1303	Add Additional L11 Segment (Position 030) at proposed index 3 as follows: L11 - Use this segment to indicate TMS Forwarding Order (FWO) Number L1101 – TMS Forwarding Order (FWO) Number L1102 - TR = TMS Forwarding Order (FWO) Number Qualifier X12 Definition: TR = Government Transportation Request L1103 - "TMS Forwarding Order (FWO) Number" (Optional Description) Add Additional L11 Segment (Position 030) at proposed index 3 as follows: L11 - Use this segment to indicate TMS Freight Unit Number L1101 – TMS Freight Unit Number L1102 - 97 = TMS Freight Unit Number Qualifier X12 Definition: 97 = Package Number - A serial number indicating unit shipped L1103 - "TMS Freight Unit Number" (Optional Description) Add Additional L11 Segment (Position 030) at proposed index 3 as follows: L11 - Use this segment to indicate TMS Freight Order/Freight Booking Number L1101 – TMS Freight Order/Freight Booking Number L1102 - FR = TMS Freight Order/Freight Booking Number Qualifier X12 Definition: FR = Freight Bill Number L1103 - "TMS Freight Order/Freight Booking Number" (Optional Description)	3/25/2019

Added in Version 7

DM Number	DM Description	Approval Date
1298	At the AT701 (Index 18-01), add code 'AP' (X12 definition: Delivery Not Completed) to represent "lost or damaged shipment which will not be delivered or invoiced" At the AT702 (Index 18-02), add code 'P3' (X12 definition: Production Falldown) to represent "shipment lost or damaged to the point of being undeliverable"	2/27/2019

Added in Version 6

DM Number	DM Description	Approval Date
1264	Add 'XB' to shipment Status Code list (AT701 at index 18-01) to represent "3PL is in possession of Proof of Delivery (POD)"	11/27/2017

Added in Version 5

DM Number	DM Description	Approval Date
1251	In the L11 segment at index 21 change the segment condition note to read: "SEGMENT CONDITION: Carriers are encouraged to provide either status location, SPLC, Aerial Port, or postal code data where available. This segment may occur once per shipment status event (LX Loop)." In the L1101, DE127, at index 21-01 change DOD implementation note to read: "SPLC, Aerial Port, or Postal Code (DG110)" In the L1102, DE128, at index 21-02 add the following X12 codes and DOD implementation notes: Code value '4L - Location-specific Services Reference Number', DOD implementation note: "Use '4L' to denote International Civil Aviation Organization (ICAO) code of the location reported in the MS101 for events occurring at an airport" Code value 'ZZ – Mutually Defined', DOD implementation note: "Use 'ZZ' to denote International Air Transport Association (IATA) code of the location reported in the MS101 for events occurring at an airport"	4/17/2017

Added in Version 4

DM Number	DM Description	Approval Date
1132	At index 18-02 in the AT702 add code 'BB - Held per Shipper' with usage note that reads "Use 'BB' to denote Vendor not Ready for Pickup. When used, AT701 must equal 'SD - Shipment Delayed'."	3/25/2014
1123	At index 18-06, AT706, DE 337, change the DoD Recommended Attribute for min/max length from "4/4" to "4/8".	11/7/2013

Added in Version 3

DM Number	DM Description	Approval Date
1045	In the AT701 at index 18-01 Shipment Status Code, add codes: A3Shipment returned to shipper A7Shipment refused by consignee In the AT702 at index 18-02 Shipment Status or Appointment Reason Code, add codes: BC Missing documents S1Delivery shortage	5/7/2012

Added in Version 2

DM Number	DM Description	Approval Date
1029	Add a code to the 214A IC on L11 segment Data Reference L1102 data element 128 at index 3-02. This code would be "1O - Consolidation Shipment Number. Qualifies a single number that is a key to a group of individual shipment numbers.) -- Suggest a Usage NOTE: Use '1O' to denote Pallet ID.	2/27/2012

Added in Version 1

DM Number	DM Description	Approval Date
1013	SDDC/G9 has worked with the rail carriers, and have determined the need to add some additional 214 X12 standard codes to those already available within the IC. The rail carriers send event status codes in their Car Location Messages (CLM) that map to the above codes.	6/10/2011

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)

Commercial Trading Partners and DoD personnel may view the Convention at:
https://www.ustranscom.mil/cmd/associated/dteb/

(Blank Page)

Section 3.0

STANDARD IMPLEMENTATION CONVENTION

This section presents the DoD's convention for interpreting the Motor Carrier Shipment Status using the ASC X12.18 Transaction Set 214 Version 004010.

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

Must Use	- Segment or data element is Mandatory for DTEB.
Used	- Segment or data element is used.
Not Used	- 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.

(Blank Page)

214

Functional Group=

Notes:

1/120	To identify the interline carrier and relevant data
1/140	To specify the status of a shipment, the reason for that status, the date and time of the status and the date and time of any appointments scheduled.

Not Defined:

	Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
*		ISA	Interchange Control Header	M	1			Not Used
*		GS	Functional Group Header	M	1			Not Used

Heading:

	Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	010	ST	Transation Set Header	M	1			Must use
	020	B10	Beginning Segment for Transportation Carrier Shipment Status Message	M	1			Used
	030	L11	Business Instructions and Reference Number	O	300			Used
*	035	MAN	Marks and Numbers	O	9999			Not Used
	040	K1	Remarks	O	10			Used
	LOOP ID - 0100					**10**		
	050	N1	Name	O	1			Must use
	060	N2	Additional Name Information	O	1			Must use
	070	N3	Address Information	O	2			Must use
	080	N4	Geographic Location	O	1			Must use
*	090	G61	Contact	O	1			Not Used
*	100	G62	Date/Time	O	1			Not Used
	110	L11	Business Instructions and Reference Number	O	10			Used
	120	MS3	Interline Information	O	12		N1/120	Used
	LOOP ID - 0200					**999999**		
	130	LX	Assigned Number	O	1			Must use
	LOOP ID - 0205					**10**		
	140	AT7	Shipment Status Details	O	1		N1/140	Must use
	143	MS1	Equipment, Shipment, or Real Property Location	O	1			Used
	146	MS2	Equipment or Container Owner and Type	O	1			Used
	150	L11	Business Instructions and Reference Number	O	10			Used
*	155	MAN	Marks and Numbers	O	9999			Not Used
	160	Q7	Lading Exception Code	O	10			Used
	170	K1	Remarks	O	10			Used
	180	AT5	Bill of Lading Handling Requirements	O	10			Used
	200	AT8	Shipment Weight, Packaging and Quantity Data	O	10			Used
	* LOOP ID - 0210					**999999**		
*	210	CD3	Carton (Package) Detail	O	1			Not Used
*	220	L11	Business Instructions and Reference Number	O	20			Not Used
	* LOOP ID - 0215					**10**		

	Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
*	230	AT7	Shipment Status Details	O	1			Not Used
*	233	MS1	Equipment, Shipment, or Real Property Location	O	1			Not Used
*	236	MS2	Equipment or Container Owner and Type	O	1			Not Used
*	240	NM1	Individual or Organizational Name	O	1			Not Used
*	250	Q7	Lading Exception Code	O	10			Not Used
*	260	AT8	Shipment Weight, Packaging and Quantity Data	O	1			Not Used
*	265	MAN	Marks and Numbers	O	9999			Not Used
	*** LOOP ID - 0220**					**999999**		
*	270	N1	Name	O	1			Not Used
*	280	N2	Additional Name Information	O	1			Not Used
*	290	N3	Address Information	O	3			Not Used
*	300	N4	Geographic Location	O	1			Not Used
*	310	L11	Business Instructions and Reference Number	O	10			Not Used
	*** LOOP ID - 0230**					**999999**		
*	320	PRF	Purchase Order Reference	O	1			Not Used
	*** LOOP ID - 0231**					**999999**		
*	330	N1	Name	O	1			Not Used
*	340	N2	Additional Name Information	O	1			Not Used
*	350	N3	Address Information	O	2			Not Used
*	360	N4	Geographic Location	O	1			Not Used
*	370	L11	Business Instructions and Reference Number	O	10			Not Used
	*** LOOP ID - 0233**					**999999**		
*	380	CD3	Carton (Package) Detail	O	1			Not Used
*	390	L11	Business Instructions and Reference Number	O	20			Not Used
	*** LOOP ID - 0240**					**10**		
*	400	AT7	Shipment Status Details	O	1			Not Used
*	402	MS1	Equipment, Shipment, or Real Property Location	O	1			Not Used
*	404	MS2	Equipment or Container Owner and Type	O	1			Not Used
*	405	MAN	Marks and Numbers	O	9999			Not Used
	*** LOOP ID - 0250**					**999999**		
*	410	SPO	Shipment Purchase Order Detail	O	1			Not Used
*	420	SDQ	Destination Quantity	O	10			Not Used
	*** LOOP ID - 0260**					**>1**		
*	423	EFI	Electronic Format Identification	O	1			Not Used
*	426	BIN	Binary Data	M	1			Not Used
	610	SE	Transaction Set Trailer	M	1			Used

Not Defined:

	Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
*		GE	Functional Group Trailer	M	1			Not Used
*		IEA	Interchange Control Trailer	M	1			Not Used

ST   Transation Set Header

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

User Option (Usage): Must use

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

Semantics:

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).

DoD Segment Definition:

[1] ST SEGMENT - Motor Carrier Shipment Status Header (DG 10)

Element Summary:

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

Description: Code uniquely identifying a Transaction Set

DoD Definition: *[1-01] Transaction Set Identifier Code (DG 10)*

Code	Name
214	**DoD Definition:**
	[1-01] Transportation Carrier Shipment Status Message

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

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

DoD Definition: *[1-02] Transaction Set Control Number (DG 10)*

Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set. The application and structure of the control number must be agreed upon between trading partners. (For example, 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.)

B10 Beginning Segment for Transportation Carrier Shipment Status Message

<table>
<tr><td>Pos: 020</td><td>Max: 1</td></tr>
<tr><td colspan="2" align="center">Heading - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 6</td></tr>
</table>

User Option (Usage): Used

Syntax Rules:

1. E0105 - Only one of B1001 or B1005 may be present.
2. P0506 - If either B1005 or B1006 is present, then the other is required.
3. R0106 - At least one of B1001 or B1006 is required.

Semantics:

1. 1 B1001 is the carrier assigned reference number.
2. 2 B1007 indicates if the reference numbers included in this transmission were transmitted to the carrier via EDI or key entered by the carrier. A "Y" indicates that the carrier received the reference numbers in an EDI transmission; an "N" indicates that the carrier did not receive the reference numbers in an EDI transmission and key entered the data from a shipper supplied document.

Comments:

1. 1 B1001 is the carrier's PRO (invoice number) that identifies the shipment.
2. 2 B1003 is required when used in Transaction Set 214.
3. 3 B1006 is the carrier assigned bar code identification or another carrier assigned shipment identification, such as a manifest number.

DoD Segment Definition:

[2] B10 SEGMENT - Carrier Shipment ID (DG 10)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B1001	127	**Reference Identification**	X	AN	1/30	Used

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

DoD Definition: *[2-01] Carrier Shipment ID (DG 10)*

ELEMENT CONDITION: Use of either B1001 or B1006 is MANDATORY. Only the carrier's PRO number will appear in B1001. Use B1006 if shipment is identified by air or rail waybill number.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B1002	145	**Shipment Identification Number**	O	AN	1/30	Must use

Description: Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)

DoD Definition: *[2-02] Government Shipment ID (DG 10)*

In this data element, enter the Shipment ID generated by the shipper. This must be either a bill of lading number or a TCN (Transportation Control Number). If you enter a TCN here, you must create a separate 214 for each TCN included on a single bill of lading or shipment. If separate TCNs included on a single bill of lading are being delivered to different locations, you must use the TCN (not the bill of lading number) in this data element

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B1003	140	**Standard Carrier Alpha Code**	M	ID	2/4	Used

Description: Standard Carrier Alpha Code

DoD Definition: *[2-03] Standard Carrier Alpha Code (DG 10)*

SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B1004	71	**Inquiry Request Number**	O	N0	1/3	Not used

Description: Identifying number assigned by inquirer

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B1005	128	**Reference Identification Qualifier**	X	ID	2/3	Used

Description: Code qualifying the Reference Identification

DoD Definition: *[2-05] Reference Identification Qualifier (DG 10)*

ELEMENT CONDITION: Required if B1006 is used.

Code	Name
AW	**DoD Definition:**
	[2-05] Air Waybill Number
WY	**DoD Definition:**
	[2-05] Waybill Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B1006	127	**Reference Identification**	X	AN	1/30	Used

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

DoD Definition: *[2-06] Reference Identification (DG 10)*

ELEMENT CONDITION: Use of either B1001 or B1006 is MANDATORY. Only the carrier's air or rail waybill number will appear in B1006. Use B1001 if shipment is identified by a carrier's PRO number.

L11 Business Instructions and Reference Number

Pos: 030	Max: 300
Heading - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Used

Purpose: To specify instructions in this business relationship or a reference number

Syntax Rules:

1. P0102 - If either L1101 or L1102 is present, then the other is required.
2. R0103 - At least one of L1101 or L1103 is required.

DoD Segment Definition:

[3] L11 SEGMENT - Additional Shipment Identifiers (DG 10)
SEGMENT CONDITION: Use this segment to report identifying numbers in addition to the shipment ID.
[4] L11 SEGMENT - TMS Forwarding Order (FWO) Number
Use this segment to indicate TMS Forwarding Order (FWO) Number
[5] L11 SEGMENT - TMS Freight Unit Number
Use this segment to indicate TMS Freight Unit Number
[6] L11 SEGMENT - TMS Freight Order/Freight Booking Number
Use this segment to indicate TMS Freight Order/Freight Booking Number
[7] L11 SEGMENT - TMS Billing Reference Number
Use this segment to indicate TMS (AAFES) Billing Reference Number
[8] L11 SEGMENT - Commodity Code (DG 10)
SEGMENT CONDITION: Use to report shipment commodity code if available. If multiple commodity codes apply, use this segment to identify one commodity code (prevailing or lead commodity for shipment, pallet, or container).

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L1101	127	**Reference Identification**	X	AN	1/30	Must use

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

DoD Definition: *[3-01] Additional Shipment Identifier (DG 10)*

[4-01] TMS Forwarding Order (FWO) Number

[5-01] TMS Freight Unit Number

[6-01] TMS Freight Order/Freight Booking Number

[7-01] TMS Billing Reference Number

[8-01] Commodity Identification (DG 10)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L1102	128	**Reference Identification Qualifier**	X	ID	2/3	Must use

Description: Code qualifying the Reference Identification

DoD Definition: *[3-02] Additional Shipment Identifier Qualifier (DG 10)*

CHANGE NOTE: Code value '18' added and code value 'BL' removed per DM 784.

[4-02] TMS Forwarding Order (FWO) Number Qualifier

[5-02] TMS Freight Unit Number Qualifier

[6-02] TMS Freight Order/Freight Booking Number Qualifier

[7-02] TMS Billing Reference Number Qualifier

[8-02] Commodity Identification Qualifier (DG 10)

Code	Name
18	**DoD Definition:**
	[3-02] Plan Number *Use '18' to denote Transportation Tracking Number*
1O	**DoD Definition:**

Code	Name
	[3-02] Consolidation Shipment Number *Use '1O' to denote Pallet ID* *CHANGE NOTE: Code added per DM 1029*
6R	**DoD Definition:** *[7-02] Provider Control Number* *Use '6R' to denote TMS Billing Reference Number Qualifier*
97	**DoD Definition:** *[5-02] Package Number* *Use '97' to denote TMS Freight Unit Number*
BM	**DoD Definition:** *[3-02] Bill of Lading Number* *Use 'BM' to denote Commercial Bill of Lading as well as Government Bill of Lading*
C7	**DoD Definition:** *[3-02] Contract Line Item Number*
CH	**DoD Definition:** *[8-02] Customer Catalog Number*
CT	**DoD Definition:** *[3-02] Contract Number*
FR	**DoD Definition:** *[6-02] Freight Bill Number* *Use 'FR' to denote TMS Freight Order/Freight Booking Number*
PG	**DoD Definition:** *[8-02] Product Group*
PO	**DoD Definition:** *[3-02] Purchase Order Number*
RQ	**DoD Definition:** *[3-02] Purchase Requisition Number*
TG	**DoD Definition:** *[3-02] Transportation Control Number (TCN)*
TR	**DoD Definition:** *[4-02] Government Transportation Request* *Use 'TR' to denote TMS Forwarding Order (FWO) Number*
STR	**DoD Definition:** *[8-02] Standard Transportation Commodity Code (STCC) Replacement Code*

L1103	352	**Description**	X	AN	1/80	Used

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

DoD Definition: *[4-03] TMS Forwarding Order (FWO) Number Description*

[5-03] TMS Freight Unit Number Description

[6-03] TMS Freight Order/Freight Booking Number

[7-03] TMS Billing Reference Number Description

Usage Note: Pass the phrase 'TMS Billing Reference Number' when L1102 contains '6R'.

[8-03] Description (DG 10)

K1   Remarks

Pos: 040	Max: 10
Heading - Optional	
Loop: N/A	**Elements: 2**

User Option (Usage): Used

Purpose: To transmit information in a free-form format for comment or special instruction

DoD Segment Definition:

[9] K1 SEGMENT - Additional Carrier Information (DG 10)
SEGMENT CONDITION: Use when Additional Carrier Information applies.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
K101	61	**Free-Form Message**	M	AN	1/30	Used

Description: Free-form information
DoD Definition: *[9-01] Free-Form Message (DG 10)*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
K102	61	**Free-Form Message**	O	AN	1/30	Used

Description: Free-form information
DoD Definition: *[9-02] Free-Form Message (DG 10)*

N1   Name

<table>
<tr><td>Pos: 050</td><td>Max: 1</td></tr>
<tr><td colspan="2" align="center">Heading - Optional</td></tr>
<tr><td>Loop: 0100</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Must use

Syntax Rules:

1. P0304 - If either N103 or N104 is present, then the other is required.
2. R0203 - At least one of N102 or N103 is required.

DoD Segment Definition:

[10] N1 SEGMENT - Consignee Identification (DG 70)
Carriers are encouraged to provide the consignee clear text name (N102), consignee identification code (N103 + N104), consignee address information in the N3 segment, and consignee geographic location information in the N4 segment. If the carrier is unable to provide the consignee identification code, it must provide the clear text name (N102), address (N3), and geographic location information (N4).
[14] N1 SEGMENT - Shipper Identifier (DG 71)
Carriers are encouraged to provide the shipper clear text name (N102), shipper identification code (N103 + N104), shipper address information in the N3 segment, and shipper geographic location information in the N4 segment. If the carrier is unable to provide the shipper identification code, it must provide the clear text name (N102), address (N3), and geographic location information (N4).
[19] N1 SEGMENT - Party Who Signed Delivery Receipt (DG 71)
SEGMENT CONDITION: Use when Party Who Signed Delivery Receipt applies.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Used

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

DoD Definition: *[10-01] Consignee Identifier Code (DG 70)*

[14-01] Shipper Identifier Code (DG 71)

[19-01] Party Who Signed Delivery Receipt Code (DG 71)

Code	Name
CN	**DoD Definition:**
	[10-01] Consignee
N5	**DoD Definition:**
	[19-01] Party Who Signed the Delivery Receipt
SH	**DoD Definition:**
	[14-01] Shipper

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/60	Must use

Description: Free-form name

DoD Definition: *[10-02] Consignee Name (DG 70)*

ELEMENT CONDITION: Carriers are encouraged to provide this data if it is available. It must be provided if an Identification Code is not provided at N103 and N104.

[14-02] Shipper Name (DG 71)

ELEMENT CONDITION: Carriers are encouraged to provide this data if it is available. It must be provided if an Identification Code is not provided at N103 and N104.

[19-02] Party Who Signed Delivery Receipt (DG 71)

Required to satisfy syntax.

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

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

DoD Definition: *[10-03] Identification Code Qualifier*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		(DG 70)				
		ELEMENT CONDITION: Required if N104 is used.				
		[14-03] Identification Code Qualifier (DG 71)				
		ELEMENT CONDITION: Required if N104 is used.				

Code	Name
1	**DoD Definition:**
	[10-03] D-U-N-S Number, Dun & Bradstreet
	[14-03] D-U-N-S Number, Dun & Bradstreet
9	**DoD Definition:**
	[10-03] D-U-N-S+4, D-U-N-S Number with Four Character Suffix
	[14-03] D-U-N-S+4, D-U-N-S Number with Four Character Suffix
10	**DoD Definition:**
	[10-03] Department of Defense Activity Address Code (DODAAC)
	[14-03] Department of Defense Activity Address Code (DODAAC)
27	**DoD Definition:**
	[10-03] Government Bill Of Lading Office Code (GBLOC)
	[14-03] Government Bill Of Lading Office Code (GBLOC)
33	**DoD Definition:**
	[10-03] Commercial and Government Entity (CAGE)
	[14-03] Commercial and Government Entity (CAGE)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	X	AN	2/80	Used

Description: Code identifying a party or other code

DoD Definition: *[10-04] Consignee DODAAC/GBLOC/CAGE/D-U-N-S/D-U-N-S+4 (DG 70)*

ELEMENT CONDITION: Carriers are encouraged to provide this data if it is available. It must be provided if identification is not provided at N102.

[14-04] Shipper DODAAC/GBLOC/CAGE/D-U-N-S/D-U-N-S+4 (DG 71)

ELEMENT CONDITION: Carriers are encouraged to provide this data if it is available. It must be provided if identification is not provided at N102.

N2   Additional Name Information

Pos: 060	**Max: 1**
Heading - Optional	
Loop: 0100	**Elements: 1**

User Option (Usage): Must use

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

DoD Segment Definition:

[11] N2 SEGMENT - Consignee Additional Name (DG 70)
SEGMENT CONDITION: Use when Consignee Additional Name applies.
[15] N2 SEGMENT - Shipper Additional Name (DG 71)
SEGMENT CONDITION: Use when Shipper Additional Name applies.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N201	93	**Name**	M	AN	1/60	Used

Description: Free-form name
DoD Definition: *[11-01] Consignee Additional Name (DG 70)*

[15-01] Shipper Additional Name (DG 71)

N3   Address Information

Pos: 070	**Max: 2**
Heading - Optional	
Loop: 0100	**Elements: 1**

User Option (Usage): Must use

Purpose: To specify the location of the named party

DoD Segment Definition:

[12] N3 SEGMENT - Consignee Address Information (DG 70)
SEGMENT CONDITION: Use when Consignee Address Information Applies.
[16] N3 SEGMENT - Shipper Address Information (DG 71)
SEGMENT CONDITION: Use when Shipper Address Information applies.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/55	Used

     Description: Address Information

     DoD Definition: *[12-01] Consignee Address Information (DG 70)*

     [16-01] Shipper Address Information (DG 71)

N4 Geographic Location

Pos: 080	**Max: 1**
Heading - Optional	
Loop: 0100	**Elements: 6**

User Option (Usage): Must use

Purpose: To specify the geographic place of the named party

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

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.

DoD Segment Definition:

[13] N4 SEGMENT - Consignee Geographic Location Information (DG 70)
If shipment is to a location other than the U.S. or Canada, carrier must provide the Consignee City Name (N401) and Consignee Country Code (N404). If shipment is to a location within the U.S. or to Canada, carrier must provide either the Consignee City Name (N401) and Consignee City/Province Code (N403) or the Consignee SPLC Qualifier (N405) and Consignee SPLC (N406).
[17] N4 SEGMENT - Shipper Geographic Location Information (DG 71)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Used

Description: Free-form text for city name

DoD Definition: *[13-01] Consignee City Name (DG 70)*

ELEMENT CONDITION: MANDATORY for all shipments to locations other than the U.S. and Canada. It is also MANDATORY for shipments within the U.S. and to Canada if SPLC is not provided in N405 and N406.

[17-01] Shipper City Name (DG 71)

ELEMENT CONDITION: MANDATORY for all shipments that originate outside the U.S. and Canada. It is also MANDATORY for shipments that originate within the U.S. and Canada if SPLC is not provided in N405 and N406.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N402	156	**State or Province Code**	O	ID	2/2	Used

Description: Code (Standard State/Province) as defined by appropriate government agency

DoD Definition: *[13-02] Consignee State or Province Code (DG 70)*

ELEMENT CONDITION: MANDATORY for shipments to a U.S. or Canadian Province consignee if SPLC is not provided in N405 and N406.

SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center

[17-02] Shipper State or Province Code (DG 71)

ELEMENT CONDITION: MANDATORY for all shipments that originate within the U.S. or Canada if SPLC is not provided in N405 and N406.

SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N403	116	**Postal Code**	O	ID	3/15	Used

Description: Code defining international postal zone code excluding punctuation and blanks (zip

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		code for United States)				
		DoD Definition: *[13-03] Consignee Zip/Postal Code (DG 70)*				
		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				
		[17-03] Shipper Zip/Postal Code (DG 71)				
		SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents				
N404	26	**Country Code**	O	ID	2/3	Used
		Description: Code identifying the country				
		DoD Definition: *[13-04] Consignee Country Code (DG 70)*				
		ELEMENT CONDITION: MANDATORY for all shipments to a location outside the U.S. or Canada.				
		SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.				
		[17-04] Shipper Country Code (DG 71)				
		ELEMENT CONDITION: MANDATORY for all shipments that originate at a location outside the U.S. or Canada.				
		SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.				
N405	309	**Location Qualifier**	X	ID	1/2	Used
		Description: Code identifying type of location				
		DoD Definition: *[13-05] Consignee SPLC Qualifier (DG 70)*				
		ELEMENT CONDITION: Required if N406 is used.				
		SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)				
		[17-05] Shipper SPLC Qualifier (DG 71)				
		ELEMENT CONDITION: Required if N406 is used.				
		SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)				

Code	Name				
SL	**DoD Definition:** *[13-05] U.S. SPLC* *[17-05] U.S. SPLC*				

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N406	310	**Location Identifier**	X	AN	1/30	Used

Ref	Id	Element Name	Req	Type	Min/Max	Usage

Description: Code which identifies a specific location

DoD Definition: *[13-06] Consignee SPLC (DG 70)*

ELEMENT CONDITION: Carriers are encouraged to provide this data on shipments to locations within the U.S. and Canada.

[17-06] Shipper SPLC (DG 71)

ELEMENT CONDITION: Carriers are encouraged to provide this data on shipments from locations within the U.S. and Canada.

Pos: 110		**Max: 10**
	Heading - Optional	
Loop: 0100		**Elements: 2**

L11 Business Instructions and Reference Number

User Option (Usage): Used

Purpose: To specify instructions in this business relationship or a reference number

Syntax Rules:

1. P0102 - If either L1101 or L1102 is present, then the other is required.
2. R0103 - At least one of L1101 or L1103 is required.

DoD Segment Definition:

[18] L11 SEGMENT - Internal Customer Number (DG 71)
SEGMENT CONDITION: Use this segment to report carrier's internal customer account number.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L1101	127	**Reference Identification**	X	AN	1/30	Must use

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

DoD Definition: *[18-01] Internal Customer Number (DG 71)*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L1102	128	**Reference Identification Qualifier**	X	ID	2/3	Must use

Description: Code qualifying the Reference Identification

DoD Definition: *[18-02] Internal Customer Number Qualifier (DG 71)*

Code	Name
IT	**DoD Definition:**
	[18-02] Internal Customer Number

MS3 Interline Information

Pos: 120	Max: 12
Heading - Optional	
Loop: N/A	Elements: 5

User Option (Usage): Used

Syntax Rules:

1. C0503 - If MS305 is present, then MS303 is required.

Semantics:

1. MS301 is the Standard Carrier Alpha Code (SCAC) of the interline carrier.
2. MS303 is the city where the interline was performed.

DoD Segment Definition:

[20] MS3 SEGMENT - LTL Interline Information (DG 10)
SEGMENT CONDITION: This segment is required if the LTL carrier can provide the interline information. The carrier currently reporting status will provide the entire routing sequence up to and including the time at which it reports status. For example, it needs to list all the carriers that handled the shipment along the route.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MS301	140	**Standard Carrier Alpha Code**	M	ID	2/4	Used

Description: Standard Carrier Alpha Code

DoD Definition: *[20-01] Standard Carrier Alpha Code (DG 10)*

SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MS302	133	**Routing Sequence Code**	M	ID	1/2	Used

Description: Code describing the relationship of a carrier to a specific shipment movement

DoD Definition: *[20-02] Routing Sequence Code (DG 10)*

Code	Name
1	**DoD Definition:** *[20-02] 1st Carrier after Origin Carrier*
2	**DoD Definition:** *[20-02] 2nd Carrier after Origin Carrier*
3	**DoD Definition:** *[20-02] 3rd Carrier after Origin Carrier*
B	**DoD Definition:** *[20-02] Origin/Delivery Carrier (Any Mode)*
O	**DoD Definition:** *[20-02] Origin Carrier (Air, Motor, or Ocean)*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MS303	19	**City Name**	X	AN	2/30	Used

Description: Free-form text for city name

DoD Definition: *[20-03] City Name (DG 10)*

ELEMENT CONDITION: Provide city name or rail head of interline transfer point where identified carrier receives shipment, if available.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MS304	91	**Transportation Method/Type Code**	O	ID	1/2	Used

Description: Code specifying the method or type of transportation for the shipment

Ref	Id	Element Name	Req	Type	Min/Max	Usage

DoD Definition: *[20-04] Transportation Method/Type Code (DG 10)*

Refer to X12 Standards, Version 4010, DE 91 for applicable code values.

Code **Name**

Code	Name
6	**DoD Definition:** *[20-04] Military Official Mail*
7	**DoD Definition:** *[20-04] Mail*
A	**DoD Definition:** *[20-04] Air*
B	**DoD Definition:** *[20-04] Barge*
C	**DoD Definition:** *[20-04] Consolidation*
D	**DoD Definition:** *[20-04] Parcel Post*
E	**DoD Definition:** *[20-04] Expedited Truck*
F	**DoD Definition:** *[20-04] Flyaway*
H	**DoD Definition:** *[20-04] Customer Pickup*
I	**DoD Definition:** *[20-04] Common Irregular Carrier*
J	**DoD Definition:** *[20-04] Motor*
K	**DoD Definition:** *[20-04] Backhaul*
L	**DoD Definition:** *[20-04] Contract Carrier*
M	**DoD Definition:** *[20-04] Motor (Common Carrier)*
N	**DoD Definition:** *[20-04] Private Vessel*
O	**DoD Definition:** *[20-04] Containerized Ocean*
P	**DoD Definition:** *[20-04] Private Carrier*
Q	**DoD Definition:** *[20-04] Conventional Ocean*
R	**DoD Definition:** *[20-04] Rail*
S	**DoD Definition:** *[20-04] Ocean*
T	**DoD Definition:** *[20-04] Best Way (Shippers Option)*
U	**DoD Definition:** *[20-04] Private Parcel Service*
W	**DoD Definition:** *[20-04] Inland Waterway*
X	**DoD Definition:**

Code	Name
	[20-04] Intermodal (Piggyback)
Y	**DoD Definition:**
	[20-04] Military Intratheater Airlift Service
AC	**DoD Definition:**
	[20-04] Air Charter
AE	**DoD Definition:**
	[20-04] Air Express
AF	**DoD Definition:**
	[20-04] Air Freight
AH	**DoD Definition:**
	[20-04] Air Taxi
AR	**DoD Definition:**
	[20-04] Armed Forces Courier Service (ARFCOS)
BP	**DoD Definition:**
	[20-04] Book Postal
BU	**DoD Definition:**
	[20-04] Bus
CE	**DoD Definition:**
	[20-04] Customer Pickup / Customer's Expense
DA	**DoD Definition:**
	[20-04] Driveaway Service
DW	**DoD Definition:**
	[20-04] Driveaway, Truckaway, Towaway
ED	**DoD Definition:**
	[20-04] European or Pacific Distribution System
FA	**DoD Definition:**
	[20-04] Air Freight Forwarder
FL	**DoD Definition:**
	[20-04] Motor (Flatbed)
GG	**DoD Definition:**
	[20-04] Geographic Receiving/Shipping
GR	**DoD Definition:**
	[20-04] Geographic Receiving
GS	**DoD Definition:**
	[20-04] Geographic Shipping
HH	**DoD Definition:**
	[20-04] Household Goods Truck
LA	**DoD Definition:**
	[20-04] Logair
LT	**DoD Definition:**
	[20-04] Less Than Trailer Load (LTL)
MB	**DoD Definition:**
	[20-04] Motor (Bulk Carrier)
MP	**DoD Definition:**
	[20-04] Motor (Package Carrier)
PA	**DoD Definition:**
	[20-04] Pooled Air
PG	**DoD Definition:**
	[20-04] Pooled Piggyback
PL	**DoD Definition:**
	[20-04] Pipeline

Code	Name
PP	**DoD Definition:**
	[20-04] Pool to Pool
PR	**DoD Definition:**
	[20-04] Pooled Rail
PT	**DoD Definition:**
	[20-04] Pooled Truck
RC	**DoD Definition:**
	[20-04] Rail, Less than Carload
RR	**DoD Definition:**
	[20-04] Roadrailer
SB	**DoD Definition:**
	[20-04] Shipper Agent
SC	**DoD Definition:**
	[20-04] Shipper Agent (Truck)
SD	**DoD Definition:**
	[20-04] Shipper Association
SE	**DoD Definition:**
	[20-04] Sea/Air
SR	**DoD Definition:**
	[20-04] Supplier Truck
SS	**DoD Definition:**
	[20-04] Steamship
ST	**DoD Definition:**
	[20-04] Stack Train
TA	**DoD Definition:**
	[20-04] Towaway Service
TC	**DoD Definition:**
	[20-04] Cab (Taxi)
TT	**DoD Definition:**
	[20-04] Tank Truck
VA	**DoD Definition:**
	[20-04] Motor (Van)
VE	**DoD Definition:**
	[20-04] Vessel, Ocean
VL	**DoD Definition:**
	[20-04] Vessel, Lake
WP	**DoD Definition:**
	[20-04] Water or Pipeline Intermodal Movement
Y1	**DoD Definition:**
	[20-04] Ocean Conference Carrier
Y2	**DoD Definition:**
	[20-04] Ocean Non-Conference Carrier
ZZ	**DoD Definition:**
	[20-04] Mutually defined

MS305	156	**State or Province Code**	X	ID	2/2	Used

Description: Code (Standard State/Province) as defined by appropriate government agency

DoD Definition: *[20-05] State or Province Code (DG 10)*

ELEMENT CONDITION: Provide this data if available.

SOURCE: National Zip Code and Post Office

Ref	**Id**	**Element Name**	**Req**	**Type**	**Min/Max**	**Usage**
		Directory available from U.S. Postal Service National Information Data Center				

LX   Assigned Number

Pos: 130	Max: 1
Heading - Optional	
Loop: 0200	**Elements: 1**

User Option (Usage): Must use

Purpose: To reference a line number in a transaction set

DoD Segment Definition:

[21] LX SEGMENT - Shipment Status Event Loop (DG 100)
At least one occurrence of the LX loop needs to appear. Repeat the LX loop for each shipment status event. Upon reporting pickup status, the carrier is encouraged to report estimated delivery date. This calls for the carrier to generate two LX loops, one for each status event.

For Defense Transportation Coordination Initiative (DTCI) shipments, when reporting a shipment delayed (SD) status, provide an additional LX loop containing a revised estimated delivery date in the AT7 segment.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LX01	554	**Assigned Number**	M	N0	1/6	Used
		Description: Number assigned for differentiation within a transaction set				
		DoD Definition: *[21-01] Assigned Number (DG 100)*				
		This is a sequential number starting with one and incrementing by one for every occurrence of the LX segment.				

AT7 Shipment Status Details

Pos: 140	**Max: 1**
Heading - Optional	
Loop: 0205	**Elements: 5**

User Option (Usage): Must use

Syntax Rules:

1. C0605 - If AT706 is present, then AT705 is required.
2. C0706 - If AT707 is present, then AT706 is required.
3. E0103 - Only one of AT701 or AT703 may be present.
4. P0102 - If either AT701 or AT702 is present, then the other is required.
5. P0304 - If either AT703 or AT704 is present, then the other is required.

Semantics:

1. If AT701 is present, AT705 is the date the status occurred. If AT703 is present, AT705 is a date related to an appointment.
2. If AT701 is present, AT706 is the time of the status. If AT703 is present, AT706 is the time of the appointment.
3. If AT707 is not present then AT706 represents local time of the status.

DoD Segment Definition:

[22] AT7 SEGMENT - Shipment Status (DG 110)
Use one occurrence of the AT7 loop per LX loop.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT701	1650	**Shipment Status Code**	X	ID	2/2	Must use

Description: Code indicating the status of a shipment

DoD Definition: *[22-01] Shipment Status Code (DG 110)*

EXPLANATION OF CODE USAGE: For shipments that don't experience any other status event identified in this code list during a 24 hour period, carriers are requested, if able, to report En Route to Delivery Location status (code value 'X6'). When using shipment status code value 'X6', report the location of the shipment using the MS1 segment by either the city name/state/country code or longitude/latitude codes.

For Defense Transportation Coordination Initiative (DCTI) shipments, in which the coordinator has reported a shipment delay, use code value 'X2' (Estimated Date and/or Time of Arrival at Consignee's Location) when including an additional AT7 segment with a revised estimated delivery date.

Code	Name
A3	**DoD Definition:**
	[22-01] Shipment returned to shipper
A7	**DoD Definition:**
	[22-01] Refused by Consignee
	Use 'A7' to denote Shipment refused by consignee
A9	**DoD Definition:**
	[22-01] Shipment Damaged
AF	**DoD Definition:**
	[22-01] Carrier Departed Pick-up Location with Shipment
AG	**DoD Definition:**
	[22-01] Estimated Delivery
AH	**DoD Definition:**

Code	Name
	[22-01] Attempted Delivery
AI	**DoD Definition:**
	[22-01] Shipment has been Reconsigned
AL	**DoD Definition:**
	[22-01] [Migration Code] Shipment Conveyance Loaded to Rail Car
AM	**DoD Definition:**
	[22-01] Loaded on Truck
AP	**DoD Definition:**
	[22-01] Delivery Not Completed
	Use 'AP' to denote Lost or damaged shipment which will not be delivered or invoiced
AR	**DoD Definition:**
	[22-01] Rail Arrival at Destination Intermodal Ramp
BC	**DoD Definition:**
	[22-01] Storage in Transit
BO	**DoD Definition:**
	[22-01] [Migration Code] Shipment Conveyance Reported Bad Order
BR	**DoD Definition:**
	[22-01] [Migration Code] Shipment Conveyance Released from Bad Order
CA	**DoD Definition:**
	[22-01] Shipment Cancelled
CD	**DoD Definition:**
	[22-01] Carrier Departed Delivery Location
CP	**DoD Definition:**
	[22-01] Completed Loading at Pick-up Location
CT	**DoD Definition:**
	[22-01] [Migration Code] Customs Release
D1	**DoD Definition:**
	[22-01] Completed Unloading at Delivery Location
J1	**DoD Definition:**
	[22-01] Delivered to Connecting Line
K1	**DoD Definition:**
	[22-01] Arrived at Customs
L1	**DoD Definition:**
	[22-01] Loading
LC	**DoD Definition:**
	[22-01] [Migration Code] Shipment Container Loaded to Chassis
NB	**DoD Definition:**
	[22-01] [Migration Code] Shipment Conveyance Received without Paperwork
OA	**DoD Definition:**
	[22-01] Out-Gate
OO	**DoD Definition:**
	[22-01] Paperwork Received - Did not Receive Shipment or Equipment
	Use 'OO' to denote Bid/Tender Award Received
P1	**DoD Definition:**
	[22-01] Departed Terminal Location
R1	**DoD Definition:**
	[22-01] Received from Prior Carrier
RH	**DoD Definition:**
	[22-01] [Migration Code] Shipment Conveyance Released from Hold
S1	**DoD Definition:**
	[22-01] Trailer Spotted at Consignee's Location
SD	**DoD Definition:**

Code	Name
	[22-01] Shipment Delayed
UC	**DoD Definition:**
	[22-01] [Migration Code] Shipment Container Unloaded from Chassis
UR	**DoD Definition:**
	[22-01] [Migration Code] Shipment Conveyance Unloaded from Rail Car
X1	**DoD Definition:**
	[22-01] Arrived at Delivery Location
X2	**DoD Definition:**
	[22-01] Estimated Date and/or Time of Arrival at Consignee's Location
X3	**DoD Definition:**
	[22-01] Arrived at Pick-up Location
X4	**DoD Definition:**
	[22-01] Arrived at Terminal Location
X5	**DoD Definition:**
	[22-01] Arrived at Delivery Location Loading Dock
X6	**DoD Definition:**
	[22-01] En Route to Delivery Location
XB	**DoD Definition:**
	[22-01] Shipment Acknowledged *Use 'XB' to denote 3PL is in possession of Proof of Delivery (POD)*

AT702	1651	**Shipment Status or Appointment Reason Code**	X	ID	2/2	Must use

Description: Code indicating the reason a shipment status or appointment reason was transmitted

DoD Definition: *[22-02] Shipment Status or Appointment Reason Code (DG 110)*

Code	Name
AD	**DoD Definition:**
	[22-02] Customer Requested Future Delivery *Use 'AD' to denote Customer Wouldn't Accept Delivery until after Mandatory Delivery Date*
AM	**DoD Definition:**
	[22-02] Shipper Related *Use 'AM' to denote Installation Closed When Pickup Was Attempted During Normal Business Hours*
AN	**DoD Definition:**
	[22-02] Holiday - Closed *Use 'AN' to denote Holiday - Installation Closed*
AO	**DoD Definition:**
	[22-02] Weather or Natural Disaster Related *Use 'AO' to denote Weather Conditions Prevented Pickup or Delivery*
AU	**DoD Definition:**
	[22-02] Civil Event Related Delay *Use 'AU' to denote Local Emergency/Act of God*
B1	**DoD Definition:**
	[22-02] Consignee Closed *Use 'B1' to denote Installation Closed When Delivery Was Attempted During Normal Business Hours*
BB	**DoD Definition:**
	[22-02] Held per Shipper *Use 'BB' to denote Vendor not Ready for Pickup. When used, AT701 must equal 'SD - Shipment Delayed'*
BC	**DoD Definition:**
	[22-02] Missing documents
BQ	**DoD Definition:**
	[22-02] Shipment Overweight *Use 'BQ' to denote Shipment Overweight/Over-dimensional*

		Code	**Name**				
		C2	**DoD Definition:**				
			[22-02] Credit Hold *Use 'C2' to denote Bills Provided to Carrier without Freight*				
		HB	**DoD Definition:**				
			[22-02] Held Pending Appointment *Use 'HB' to denote Appointment Required at Delivery Site*				
		NS	**DoD Definition:**				
			[22-02] Normal Status				
		P1	**DoD Definition:**				
			[22-02] Processing Delay *Use 'P1' to denote Appointment Required at Pickup Site*				
		P3	**DoD Definition:**				
			[22-02] Production Falldown *Use 'P3' to denote Shipment lost or damaged to the point of being undeliverable*				
		S1	**DoD Definition:**				
			[22-02] Delivery shortage				
AT705	373	**Date**		X	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD					
		DoD Definition: *[22-05] Date of Status Event (DG 110)*					
		This is the date the status event occurred.					
AT706	337	**Time**		X	TM	4/8	Used
		Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)					
		DoD Definition: *[22-06] Time of Status Event (DG 110)*					
		ELEMENT CONDITION: Time status is MANDATORY for actual events and recommended for all other. This is the time status event occurred. This is local unless identified with a specific time zone in AT707.					
AT707	623	**Time Code**		X	ID	2/2	Used
		Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow					
		DoD Definition: *[22-07] Time Code (DG 110)*					
		ELEMENT CONDITION: Required if AT706 is used. The carrier will report code LT (Local Time) unless it is capable of reporting the time code of the location where the event occurred. The time code should be Greenwich Mean Time (GMT) or the time zone where the event occurred. If the zone or Universal Time Coordinate (UTC) also referred to as Greenwich Mean Time (GMT) are unavailable, carrier should use local time code.					
		SOURCE: ISO 8601 available from American National Standards Institute					

Code	Name
CD	**DoD Definition:**
	[22-07] Central Daylight Time
CS	**DoD Definition:**
	[22-07] Central Standard Time
CT	**DoD Definition:**
	[22-07] Central Time
ED	**DoD Definition:**
	[22-07] Eastern Daylight Time
ES	**DoD Definition:**
	[22-07] Eastern Standard Time
ET	**DoD Definition:**
	[22-07] Eastern Time
GM	**DoD Definition:**
	[22-07] Greenwich Mean Time
LT	**DoD Definition:**
	[22-07] Local Time
MD	**DoD Definition:**
	[22-07] Mountain Daylight Time
MS	**DoD Definition:**
	[22-07] Mountain Standard Time
MT	**DoD Definition:**
	[22-07] Mountain Time
PD	**DoD Definition:**
	[22-07] Pacific Daylight Time
PS	**DoD Definition:**
	[22-07] Pacific Standard Time
PT	**DoD Definition:**
	[22-07] Pacific Time

MS1 Equipment, Shipment, or Real Property Location

Pos: 143   **Max: 1**
Heading - Optional
Loop: 0205   **Elements: 7**

User Option (Usage): Used

Purpose: To specify the location of a piece of equipment, a shipment, or real property in terms of city and state or longitude and latitude

Syntax Rules:

1. C0201 - If MS102 is present, then MS101 is required.
2. C0301 - If MS103 is present, then MS101 is required.
3. C0604 - If MS106 is present, then MS104 is required.
4. C0705 - If MS107 is present, then MS105 is required.
5. E0104 - Only one of MS101 or MS104 may be present.
6. P0405 - If either MS104 or MS105 is present, then the other is required.
7. L010203 - If MS101 is present, then at least one of MS102 or MS103 is required.

Semantics:

1. MS104 is the longitude expressed in Degrees, Minutes, and Seconds.
2. MS105 is the latitude expressed in Degrees, Minutes, and Seconds.
3. MS106 may only be 'E' or 'W'.
4. MS107 may only be 'N' or 'S'.

DoD Segment Definition:

[23] MS1 SEGMENT - Status Location (DG 110)
When using periodic reporting procedures, indicate location using MS104, 05, 06, and 07. Otherwise, report location using MS101, 02, and 03.

CHANGE NOTE: Segment Condition changed to include code value 'OO' per DM 751.
SEGMENT CONDITION: This segment is required for all status events (AT701) except for code values 'A9', 'AG','AI', and 'OO'.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MS101	19	**City Name**	X	AN	2/30	Used
		Description: Free-form text for city name				
		DoD Definition: *[23-01] City Name (DG 110)*				
		ELEMENT CONDITION: For status events generated within CONUS and Canada, MS101 and MS102 are required.				
		For those outside of CONUS, MS101 and MS103 are required. Provide MS102, if available.				
MS102	156	**State or Province Code**	X	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
		DoD Definition: *[23-02] State or Province Code (DG 110)*				
		ELEMENT CONDITION: For status events generated within CONUS and Canada, MS101 and MS102 are required.				
		For those outside of CONUS, MS101 and MS103 are required. Provide MS102, if available.				
		SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center				
MS103	26	**Country Code**	X	ID	2/3	Used
		Description: Code identifying the country				
		DoD Definition: *[23-03] Country Code (DG 110)*				

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		ELEMENT CONDITION: For status events generated within CONUS and Canada, MS101 and MS102 are required.				
		For those outside of CONUS, MS101 and MS103 are required. Provide MS102, if available.				
		SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.				
MS104	1654	**Longitude Code**	X	ID	7/7	Used
		Description: Code indicating the longitude in degrees (3 positions), minutes (2 positions), and seconds (2 positions)				
		DoD Definition: *[23-04] Longitude Coordinates (DG 110)*				
		ELEMENT CONDITION: If the carrier has implemented this technology, it is encouraged to report this data for 24 hour periodic reporting. Qualify the longitude coordinates in the MS106.				
		SOURCE: ISO 6709 available from ANSI				
MS105	1655	**Latitude Code**	X	ID	7/7	Used
		Description: Code indicating the latitude in degrees (3 positions), minutes (2 positions), seconds (2 positions)				
		DoD Definition: *[23-05] Latitude Coordinates (DG 110)*				
		ELEMENT CONDITION: If the carrier has implemented this technology, it is encouraged to report this data for 24 hour periodic reporting. Qualify the latitude coordinates in the MS107.				
		SOURCE: ISO 6709 available from ANSI				
MS106	1280	**Direction Identifier Code**	X	ID	1/1	Used
		Description: Code identifying geographic direction				
		DoD Definition: *[23-06] Direction Identifier Code (DG 110)*				

Code	Name
E	**DoD Definition:** *[23-06] East*
W	**DoD Definition:** *[23-06] West*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MS107	1280	**Direction Identifier Code**	X	ID	1/1	Used
		Description: Code identifying geographic direction				
		DoD Definition: *[23-07] Direction Identifier Code (DG 110)*				

Code	Name
N	**DoD Definition:** *[23-07] North*
S	**DoD Definition:** *[23-07] South*

MS2   Equipment or Container Owner and Type

Pos: 146	**Max: 1**
Heading - Optional	
Loop: 0205	**Elements: 3**

User Option (Usage): Used

Purpose: To specify the owner, the identification number assigned by that owner, and the type of equipment

Syntax Rules:

1. C0402 - If MS204 is present, then MS202 is required.
2. P0102 - If either MS201 or MS202 is present, then the other is required.

Semantics:

1. MS203 identifies the type for the equipment specified in MS202.

DoD Segment Definition:

[24] MS2 SEGMENT - Conveying Equipment Identification (DG 110)
SEGMENT CONDITION: Provide this data when conveying equipment identifiers are available.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MS201	140	**Standard Carrier Alpha Code**	X	ID	2/4	Must use

Description: Standard Carrier Alpha Code

DoD Definition: *[24-01] Standard Carrier Alpha Code (DG 110)*

SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MS202	207	**Equipment Number**	X	AN	1/10	Must use

Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)

DoD Definition: *[24-02] Equipment Number (DG 110)*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MS203	40	**Equipment Description Code**	O	ID	2/2	Must use

Description: Code identifying type of equipment used for shipment

DoD Definition: *[24-03] Equipment Description Code (DG 110)*

CHANGE NOTE: Code value 'CC' removed from list per DM 730. ALL code values assigned to DE 40 are available for use.

Code	Name
20	**DoD Definition:** *[24-03] 20 ft. IL Container (Open Top)*
2B	**DoD Definition:** *[24-03] 20 ft. IL Container (Closed Top)*
2D	**DoD Definition:** *[24-03] Control Unit*
2E	**DoD Definition:** *[24-03] Helper Unit*
2F	**DoD Definition:** *[24-03] Roadrailer*
2G	**DoD Definition:** *[24-03] Cut-in Helper*

Code	Name
40	**DoD Definition:**
	[24-03] 40 ft. IL Container (Open Top)
4B	**DoD Definition:**
	[24-03] 40 ft. IL Container (Closed Top)
AC	**DoD Definition:**
	[24-03] Closed Container
AF	**DoD Definition:**
	[24-03] Air Freight (Break Bulk)
AL	**DoD Definition:**
	[24-03] Container, Aluminum
AP	**DoD Definition:**
	[24-03] Aircraft
AT	**DoD Definition:**
	[24-03] Closed Container (Controlled Temperature)
BC	**DoD Definition:**
	[24-03] Covered Barge
BE	**DoD Definition:**
	[24-03] Bilevel Railcar Fully Open
BF	**DoD Definition:**
	[24-03] Bilevel Railcar Fully Enclosed
BG	**DoD Definition:**
	[24-03] Bogie
BH	**DoD Definition:**
	[24-03] Bilevel Railcar Screened With Roof
BJ	**DoD Definition:**
	[24-03] Bilevel Railcar Screened, No Roof
BK	**DoD Definition:**
	[24-03] Container, Bulk
BO	**DoD Definition:**
	[24-03] Barge Open
BR	**DoD Definition:**
	[24-03] Barge
BX	**DoD Definition:**
	[24-03] Boxcar
CA	**DoD Definition:**
	[24-03] Caboose
CB	**DoD Definition:**
	[24-03] Chassis, Gooseneck
CD	**DoD Definition:**
	[24-03] Container with Bag Hangers
CG	**DoD Definition:**
	[24-03] Container, Tank (Gas)
CH	**DoD Definition:**
	[24-03] Chassis
CI	**DoD Definition:**
	[24-03] Container, Insulated
CJ	**DoD Definition:**
	[24-03] Container, Insulated/Ventilated
CK	**DoD Definition:**
	[24-03] Container, Heated/Insulated/Ventilated
CL	**DoD Definition:**

Code	Name
	[24-03] Container (Closed Top - Length Unspecified)
CM	**DoD Definition:**
	[24-03] Container, Open-Sided
CN	**DoD Definition:**
	[24-03] Container
CP	**DoD Definition:**
	[24-03] Coil Car Open
CQ	**DoD Definition:**
	[24-03] Container, Tank (Food Grade-Liquid)
CR	**DoD Definition:**
	[24-03] Coil-Car Covered
CS	**DoD Definition:**
	[24-03] Container-Low Side Open Top
CT	**DoD Definition:**
	[24-03] Container-High Side Open Top
CU	**DoD Definition:**
	[24-03] Container (Open Top - Length Unspecified)
CV	**DoD Definition:**
	[24-03] Closed Van
CW	**DoD Definition:**
	[24-03] Container, Tank (Chemicals)
CX	**DoD Definition:**
	[24-03] Container, Tank
CZ	**DoD Definition:**
	[24-03] Refrigerated Container
DD	**DoD Definition:**
	[24-03] Double-Drop Trailer
DF	**DoD Definition:**
	[24-03] Container with Flush Doors
DT	**DoD Definition:**
	[24-03] Drop Back Trailer
DX	**DoD Definition:**
	[24-03] Boxcar, Damage Free Equipped
ET	**DoD Definition:**
	[24-03] End of Train Device
FF	**DoD Definition:**
	[24-03] Frozen Food Trailer
FH	**DoD Definition:**
	[24-03] Flat Bed Trailer with Headboards
FN	**DoD Definition:**
	[24-03] Flat Bed Trailer with No Headboards
FP	**DoD Definition:**
	[24-03] Flatcar With Pedestal
FR	**DoD Definition:**
	[24-03] Flat Bed Trailer - Removable Sides
FS	**DoD Definition:**
	[24-03] Container with Floor Securing Rings
FT	**DoD Definition:**
	[24-03] Flat Bed Trailer
FX	**DoD Definition:**
	[24-03] Boxcar Cushion Under Frame OF

Code	**Name**
GS	**DoD Definition:**
	[24-03] Generator Set
HB	**DoD Definition:**
	[24-03] Container with Hangar Bars
HC	**DoD Definition:**
	[24-03] Hopper Car (Covered)
HO	**DoD Definition:**
	[24-03] Hopper Car (Open)
HP	**DoD Definition:**
	[24-03] Hopper Car (Covered; Pneumatic Discharge)
HT	**DoD Definition:**
	[24-03] Head of Train Device
HV	**DoD Definition:**
	[24-03] High Cube Van
HY	**DoD Definition:**
	[24-03] Hydrant-Cart
ID	**DoD Definition:**
	[24-03] Idler Car
IX	**DoD Definition:**
	[24-03] Boxcar (Insulated)
LO	**DoD Definition:**
	[24-03] Locomotive
LS	**DoD Definition:**
	[24-03] Half Height Flat Rack
LU	**DoD Definition:**
	[24-03] Load/unload Device on Equipment
NX	**DoD Definition:**
	[24-03] Boxcar (Interior Bulkheads)
OB	**DoD Definition:**
	[24-03] Ocean Vessel (Break Bulk)
OT	**DoD Definition:**
	[24-03] Open-top/flatbed trailer
OV	**DoD Definition:**
	[24-03] Open Top Van
PL	**DoD Definition:**
	[24-03] Container, Platform
PP	**DoD Definition:**
	[24-03] Power Pack
PT	**DoD Definition:**
	[24-03] Protected Trailer
PU	**DoD Definition:**
	[24-03] Pick-up Truck
RA	**DoD Definition:**
	[24-03] Fixed-Rack, Flat-Bed Trailer
RC	**DoD Definition:**
	[24-03] Refrigerated (Reefer) Car
RD	**DoD Definition:**
	[24-03] Fixed-Rack, Double Drop Trailer
RE	**DoD Definition:**
	[24-03] Flat Car (End Bulkheads)
RF	**DoD Definition:**

Code	Name
	[24-03] Flat Car
RG	**DoD Definition:**
	[24-03] Gondola Covered
RI	**DoD Definition:**
	[24-03] Gondola Car (Covered - Interior Bulkheads)
RO	**DoD Definition:**
	[24-03] Gondola Car (Open)
RR	**DoD Definition:**
	[24-03] Rail Car
RS	**DoD Definition:**
	[24-03] Fixed-Rack, Single-Drop Trailer
RT	**DoD Definition:**
	[24-03] Controlled Temperature Trailer (Reefer)
SA	**DoD Definition:**
	[24-03] Saddle
SC	**DoD Definition:**
	[24-03] Service Car
SD	**DoD Definition:**
	[24-03] Single-Drop Trailer
SK	**DoD Definition:**
	[24-03] Stack Car
SL	**DoD Definition:**
	[24-03] Container, Steel
SR	**DoD Definition:**
	[24-03] STAK-RAK
SS	**DoD Definition:**
	[24-03] Container with Smooth Sides
ST	**DoD Definition:**
	[24-03] Removable Side Trailer
SV	**DoD Definition:**
	[24-03] Van - Special Inside Length, Width or Height Requirements
TA	**DoD Definition:**
	[24-03] Trailer, Heated/Insulated/Ventilated
TB	**DoD Definition:**
	[24-03] Trailer, Boat
TC	**DoD Definition:**
	[24-03] Trailer, Car
TF	**DoD Definition:**
	[24-03] Trailer, Dry Freight
TG	**DoD Definition:**
	[24-03] Trailer, Tank (Gas)
TH	**DoD Definition:**
	[24-03] Truck, Open Top High Side
TI	**DoD Definition:**
	[24-03] Trailer, Insulated
TJ	**DoD Definition:**
	[24-03] Trailer, Tank (Chemicals)
TK	**DoD Definition:**
	[24-03] Trailer, Tank (Food Grade-Liquid)
TL	**DoD Definition:**
	[24-03] Trailer (not otherwise specified)

Code	Name
TM	**DoD Definition:**
	[24-03] Trailer, Insulated/Ventilated
TN	**DoD Definition:**
	[24-03] Tank Car
TO	**DoD Definition:**
	[24-03] Truck, Open Top
TP	**DoD Definition:**
	[24-03] Trailer, Pneumatic
TQ	**DoD Definition:**
	[24-03] Trailer, Electric Heat
TR	**DoD Definition:**
	[24-03] Tractor
TT	**DoD Definition:**
	[24-03] Telescoping Trailer
TU	**DoD Definition:**
	[24-03] Truck, Open Top Low Side
TV	**DoD Definition:**
	[24-03] Truck, Van
TW	**DoD Definition:**
	[24-03] Trailer, Refrigerated
UA	**DoD Definition:**
	[24-03] Trilevel Railcar 20 Feet
UB	**DoD Definition:**
	[24-03] Trilevel Railcar Screened, Fully Enclosed
UC	**DoD Definition:**
	[24-03] Trilevel Railcar Screened, With Roof
UD	**DoD Definition:**
	[24-03] Trilevel Railcar Screened, No Roof
UE	**DoD Definition:**
	[24-03] Trilevel Railcar Screened, With Doors, No Roof
UL	**DoD Definition:**
	[24-03] Unit Load Device (ULD)
UP	**DoD Definition:**
	[24-03] Container, Upgraded
VA	**DoD Definition:**
	[24-03] Container, Vented
VE	**DoD Definition:**
	[24-03] Vessel, Ocean
VL	**DoD Definition:**
	[24-03] Vessel, Lake
VR	**DoD Definition:**
	[24-03] Vessel, Ocean, Rollon-Rolloff
VS	**DoD Definition:**
	[24-03] Vessel, Ocean, Lash
VT	**DoD Definition:**
	[24-03] Vessel, Ocean, Containership
WR	**DoD Definition:**
	[24-03] Container with Wavy or Ripple Sides
WY	**DoD Definition:**
	[24-03] Railroad Maintenance of Way Car

L11 Business Instructions and Reference Number

Pos: 150	**Max: 10**
Heading - Optional	
Loop: 0200	**Elements: 3**

User Option (Usage): Used

Purpose: To specify instructions in this business relationship or a reference number

Syntax Rules:

1. P0102 - If either L1101 or L1102 is present, then the other is required.
2. R0103 - At least one of L1101 or L1103 is required.

DoD Segment Definition:

[25] L11 SEGMENT - Status Location Code (DG 110)
SEGMENT CONDITION: Carriers are encouraged to provide either status location, SPLC, Aerial Port, or postal code data where available. This segment may occur once per shipment status event (LX Loop).
[26] L11 SEGMENT - Stop-Off Sequence Number (DG 110)
SEGMENT CONDITION: This segment is required when providing stop-off shipment status. This segment may occur once per shipment status event (LX Loop).

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L1101	127	**Reference Identification**	X	AN	1/30	Must use

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

DoD Definition: *[25-01] SPLC or Postal Code (DG 110)*

SPLC, Aerial Port, or Postal Code (DG110)

[26-01] Stop-Off Sequence Number (DG 110)

Enter stop-off sequence number.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L1102	128	**Reference Identification Qualifier**	X	ID	2/3	Must use

Description: Code qualifying the Reference Identification

DoD Definition: *[25-02] Status Location Qualifier (DG 110)*

[26-02] Stop-Off Sequence Number Qualifier (DG 110)

Code	Name
4L	**DoD Definition:**
	[25-02] Location-specific Services Reference Number
	Use '4L' to denote International Civil Aviation Organization (ICAO) code of the location reported in the MS101 for events occurring at an airport
LU	**DoD Definition:**
	[25-02] Location Number
	Use 'LU' to denote Postal ZIP Code
QN	**DoD Definition:**
	[26-02] Stop Sequence Number
ZZ	**DoD Definition:**
	[25-02] Mutually Defined
	Use 'ZZ' to denote International Air Transport Association (IATA) code of the location reported in the MS101 for events occurring at an airport
SPL	**DoD Definition:**
	[25-02] Standard Point Location Code (SPLC)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L1103	352	**Description**	X	AN	1/80	Used

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

Ref	**Id**	**Element Name**	**Req**	**Type**	**Min/Max**	**Usage**
		DoD Definition: *[26-03] SPLC (DG 110)*				

Q7   Lading Exception Code

Pos: 160	**Max: 10**
Heading - Optional	
Loop: 0200	**Elements: 3**

User Option (Usage): Used

Purpose: To specify the status of the shipment in terms of lading exception information

Syntax Rules:

1. C0203 - If Q702 is present, then Q703 is required.

DoD Segment Definition:

[27] Q7 SEGMENT - Lading Information (DG 100)
SEGMENT CONDITION: Carriers are encouraged to provide this data if available. This segment may occur once per shipment status event (LX Loop).

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
Q701	33	**Lading Exception Code**	M	ID	1/1	Used

Description: Code indicating the condition of the shipment

DoD Definition: *[27-01] Lading Exception Code (DG 100)*

Code	Name
A	**DoD Definition:**
	[27-01] All Short
D	**DoD Definition:**
	[27-01] Damaged
E	**DoD Definition:**
	[27-01] Entire Shipment Refused
O	**DoD Definition:**
	[27-01] Overage
P	**DoD Definition:**
	[27-01] Partial Shipment
W	**DoD Definition:**
	[27-01] Wrong Product

Ref	Id	Element Name	Req	Type	Min/Max	Usage
Q702	211	**Packaging Form Code**	X	ID	3/3	Used

Description: Code for packaging form of the lading quantity

DoD Definition: *[27-02] Packaging Form Code (DG 100)*

Refer to X12 Standards, Version 4010, DE 211 for applicable code values

ELEMENT CONDITION: Carriers are encouraged to provide this data if available.

Code	Name
AMM	**DoD Definition:**
	[27-02] Ammo Pack
BAG	**DoD Definition:**
	[27-02] Bag
BAL	**DoD Definition:**
	[27-02] Bale
BBL	**DoD Definition:**
	[27-02] Barrel
BDL	**DoD Definition:**

Code	Name
	[27-02] Bundle
BEM	**DoD Definition:**
	[27-02] Beam
BIC	**DoD Definition:**
	[27-02] Bing Chest
BIN	**DoD Definition:**
	[27-02] Bin
BKG	**DoD Definition:**
	[27-02] Bulk Bag
BLK	**DoD Definition:**
	[27-02] Bulk
BOB	**DoD Definition:**
	[27-02] Bobbin
BOT	**DoD Definition:**
	[27-02] Bottle
BOX	**DoD Definition:**
	[27-02] Box
BRG	**DoD Definition:**
	[27-02] Barge
BSK	**DoD Definition:**
	[27-02] Basket or hamper
BXI	**DoD Definition:**
	[27-02] Box, with inner container
BXT	**DoD Definition:**
	[27-02] Bucket
CAB	**DoD Definition:**
	[27-02] Cabinet
CAG	**DoD Definition:**
	[27-02] Cage
CAN	**DoD Definition:**
	[27-02] Can
CAR	**DoD Definition:**
	[27-02] Carrier
CAS	**DoD Definition:**
	[27-02] Case
CBC	**DoD Definition:**
	[27-02] Containers of Bulk Cargo
CBY	**DoD Definition:**
	[27-02] Carboy
CCS	**DoD Definition:**
	[27-02] Can Case
CHE	**DoD Definition:**
	[27-02] Cheeses
CHS	**DoD Definition:**
	[27-02] Chest
CLD	**DoD Definition:**
	[27-02] Car Load, Rail
CNA	**DoD Definition:**
	[27-02] Household Goods Containers, Wood
CNB	**DoD Definition:**
	[27-02] Container, MAC-ISO (Military Airlift Container - International Standards Organization) Light Weight 8x8x20 Foot Air

Code	Name
CNC	**DoD Definition:**
	[27-02] Container, Navy Cargo Transporter
CND	**DoD Definition:**
	[27-02] Container, Commercial Highway Lift
CNE	**DoD Definition:**
	[27-02] Engine Container
CNF	**DoD Definition:**
	[27-02] Multiwall Container Secured to Warehouse Pallet
CNT	**DoD Definition:**
	[27-02] Container
CNX	**DoD Definition:**
	[27-02] CONEX - Container Express
COL	**DoD Definition:**
	[27-02] Coil
CON	**DoD Definition:**
	[27-02] Cones
COR	**DoD Definition:**
	[27-02] Core
CRD	**DoD Definition:**
	[27-02] Cradle
CRT	**DoD Definition:**
	[27-02] Crate
CSK	**DoD Definition:**
	[27-02] Cask
CTN	**DoD Definition:**
	[27-02] Carton
CUB	**DoD Definition:**
	[27-02] Cube
CYL	**DoD Definition:**
	[27-02] Cylinder
DBK	**DoD Definition:**
	[27-02] Dry Bulk
DRK	**DoD Definition:**
	[27-02] Double-length Rack
DRM	**DoD Definition:**
	[27-02] Drum
DSK	**DoD Definition:**
	[27-02] Double-length Skid
DTB	**DoD Definition:**
	[27-02] Double-length Tote Bin
DUF	**DoD Definition:**
	[27-02] Duffle Bag
ENV	**DoD Definition:**
	[27-02] Envelope
FIR	**DoD Definition:**
	[27-02] Firkin
FLO	**DoD Definition:**
	[27-02] Flo-bin
FLX	**DoD Definition:**
	[27-02] Liner Bag Liquid
FRM	**DoD Definition:**

Code	Name
	[27-02] Frame
FSK	**DoD Definition:**
	[27-02] Flask
FWR	**DoD Definition:**
	[27-02] Forward Reel
GOH	**DoD Definition:**
	[27-02] Garments on Hangers
HED	**DoD Definition:**
	[27-02] Heads of Beef
HGH	**DoD Definition:**
	[27-02] Hogshead
HPR	**DoD Definition:**
	[27-02] Hamper
HPT	**DoD Definition:**
	[27-02] Hopper Truck
HRB	**DoD Definition:**
	[27-02] On Hanger or Rack in Boxes
HRK	**DoD Definition:**
	[27-02] Half-standard Rack
HTB	**DoD Definition:**
	[27-02] Half-Standard Tote Bin
JAR	**DoD Definition:**
	[27-02] Jar
JUG	**DoD Definition:**
	[27-02] Jug
KEG	**DoD Definition:**
	[27-02] Keg
KIT	**DoD Definition:**
	[27-02] Kit
KRK	**DoD Definition:**
	[27-02] Knockdown Rack
KTB	**DoD Definition:**
	[27-02] Knockdown Tote Bin
LBK	**DoD Definition:**
	[27-02] Liquid Bulk
LIF	**DoD Definition:**
	[27-02] Lifts
LOG	**DoD Definition:**
	[27-02] Log
LSE	**DoD Definition:**
	[27-02] Loose
LUG	**DoD Definition:**
	[27-02] Lug
LVN	**DoD Definition:**
	[27-02] Lift Van
MLV	**DoD Definition:**
	[27-02] MILVAN - Military Van
MRP	**DoD Definition:**
	[27-02] Multi-Roll Pack
MSV	**DoD Definition:**
	[27-02] MSCVAN - Military Sealift Command Van

Code	**Name**
MXD	**DoD Definition:**
	[27-02] Mixed Type Pack
NOL	**DoD Definition:**
	[27-02] Noil
OVW	**DoD Definition:**
	[27-02] Overwrap
PAL	**DoD Definition:**
	[27-02] Pail
PCK	**DoD Definition:**
	[27-02] Packed - not otherwise specified
PCS	**DoD Definition:**
	[27-02] Pieces
PIR	**DoD Definition:**
	[27-02] Pims
PKG	**DoD Definition:**
	[27-02] Package
PLF	**DoD Definition:**
	[27-02] Platform
PLN	**DoD Definition:**
	[27-02] Pipeline
PLT	**DoD Definition:**
	[27-02] Pallet
POV	**DoD Definition:**
	[27-02] Private Vehicle
PRK	**DoD Definition:**
	[27-02] Pipe Rack
QTR	**DoD Definition:**
	[27-02] Quarter of Beef
RAL	**DoD Definition:**
	[27-02] Rail (Semiconductor)
RCK	**DoD Definition:**
	[27-02] Rack
REL	**DoD Definition:**
	[27-02] Reel
ROL	**DoD Definition:**
	[27-02] Roll
RVR	**DoD Definition:**
	[27-02] Reverse Reel
SAK	**DoD Definition:**
	[27-02] Sack
SBC	**DoD Definition:**
	[27-02] Liner Bag Dry
SCS	**DoD Definition:**
	[27-02] Suitcase
SHK	**DoD Definition:**
	[27-02] Shook
SHT	**DoD Definition:**
	[27-02] Sheet
SID	**DoD Definition:**
	[27-02] Side of Beef
SKD	**DoD Definition:**

Code	Name
	[27-02] Skid
SKE	**DoD Definition:**
	[27-02] Skid, elevating or lift truck
SLP	**DoD Definition:**
	[27-02] Slip Sheet
SLV	**DoD Definition:**
	[27-02] Sleeve
SPI	**DoD Definition:**
	[27-02] Spin Cylinders
SPL	**DoD Definition:**
	[27-02] Spool
SVN	**DoD Definition:**
	[27-02] SEAVAN - Sea Van
TBE	**DoD Definition:**
	[27-02] Tube
TBN	**DoD Definition:**
	[27-02] Tote Bin
TKR	**DoD Definition:**
	[27-02] Tank Car
TKT	**DoD Definition:**
	[27-02] Tank Truck
TLD	**DoD Definition:**
	[27-02] Intermodal Trailer/Container Load (Rail)
TNK	**DoD Definition:**
	[27-02] Tank
TRC	**DoD Definition:**
	[27-02] Tierce
TRI	**DoD Definition:**
	[27-02] Triwall Box
TRK	**DoD Definition:**
	[27-02] Trunk and Chest
TRU	**DoD Definition:**
	[27-02] Truck
TRY	**DoD Definition:**
	[27-02] Tray
TSS	**DoD Definition:**
	[27-02] Trunk, Salesmen Sample
TTC	**DoD Definition:**
	[27-02] Tote Can
TUB	**DoD Definition:**
	[27-02] Tub
UNP	**DoD Definition:**
	[27-02] Unpacked
UNT	**DoD Definition:**
	[27-02] Unit
VEH	**DoD Definition:**
	[27-02] Vehicles
VPK	**DoD Definition:**
	[27-02] Van Pack
WHE	**DoD Definition:**
	[27-02] On Own Wheel

	Code	Name
	WLC	**DoD Definition:**
		[27-02] Wheeled Carrier
	WRP	**DoD Definition:**
		[27-02] Wrapped

Q703	80	**Lading Quantity**	X	N0	1/7		Used

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

DoD Definition: *[27-03] Lading Quantity (DG 100)*

	Code	Name
	WLC	**DoD Definition:**
		[27-02] Wheeled Carrier

K1   Remarks

User Option (Usage): Used

Purpose: To transmit information in a free-form format for comment or special instruction

DoD Segment Definition:

[28] K1 SEGMENT - Additional Carrier Information (DG 100)
SEGMENT CONDITION: Carriers are encouraged to report information for comment or special instruction.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
K101	61	**Free-Form Message**	M	AN	1/30	Used

Description: Free-form information

DoD Definition: *[28-01] Free-Form Message (DG 100)*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
K102	61	**Free-Form Message**	O	AN	1/30	Used

Description: Free-form information

DoD Definition: *[28-02] Free-Form Message (DG 100)*

AT5 Bill of Lading Handling Requirements

Pos: 180	**Max: 10**
Heading - Optional	
Loop: 0200	**Elements: 3**

User Option (Usage): Used
Purpose: To identify Bill of Lading handling and service requirements

Syntax Rules:

1. E0103 - Only one of AT501 or AT503 may be present.
2. E0203 - Only one of AT502 or AT503 may be present.

DoD Segment Definition:

[29] AT5 SEGMENT - Special Handling (DG 100)
SEGMENT CONDITION: Carriers are encouraged to report this information if available. This segment may occur once per shipment status event (LX Loop).

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT501	152	**Special Handling Code**	X	ID	2/3	Used

Description: Code specifying special transportation handling instructions

DoD Definition: *[29-01] Special Handling Code (DG 100)*

Refer to X12 Standards, Version 4010, DE 152 for applicable code values

Code	Name
15	**DoD Definition:**
	[29-01] Speed Restricted to 15 Miles per Hour
25	**DoD Definition:**
	[29-01] Speed Restricted to 25 Miles per Hour
35	**DoD Definition:**
	[29-01] Speed Restricted to 35 Miles per Hour
45	**DoD Definition:**
	[29-01] Speed Restricted to 45 Miles per Hour
AB	**DoD Definition:**
	[29-01] Car is Air Brake Controlled
AK	**DoD Definition:**
	[29-01] Attachment - Auto Keys
AT	**DoD Definition:**
	[29-01] Attachment to Move with Car
AV	**DoD Definition:**
	[29-01] Annual Volume
AW	**DoD Definition:**
	[29-01] Attachments - Advance Only Waybill
BA	**DoD Definition:**
	[29-01] Clearinghouse Balance
BL	**DoD Definition:**
	[29-01] Blowable Load
BN	**DoD Definition:**
	[29-01] If Bad Ordered Notify Shipper
BW	**DoD Definition:**
	[29-01] Bill Shipper for Weigh Charge
CC	**DoD Definition:**
	[29-01] Container, Consolidator Load

Code	Name
CD	**DoD Definition:**
	[29-01] Attachment - Customer's Document
CE	**DoD Definition:**
	[29-01] Cleared for Export
CF	**DoD Definition:**
	[29-01] Container, Factory Load
CH	**DoD Definition:**
	[29-01] Carrier
CI	**DoD Definition:**
	[29-01] Customs Inspection
CM	**DoD Definition:**
	[29-01] Attachment - Cotton Manifest
CO	**DoD Definition:**
	[29-01] No Marshalling Required for Hazardous Materials
CR	**DoD Definition:**
	[29-01] Circus Ramp Only (TOFC Van)
CW	**DoD Definition:**
	[29-01] Bill Consignee for Weigh Charges
CX	**DoD Definition:**
	[29-01] Top Load Only
CY	**DoD Definition:**
	[29-01] Certification that this Shipment is for Recycling as Defined in Applicable Tariffs Containing Such Provisions
DA	**DoD Definition:**
	[29-01] Dangerous
DE	**DoD Definition:**
	[29-01] Demurrage
DM	**DoD Definition:**
	[29-01] Domestic
DN	**DoD Definition:**
	[29-01] Shipper Authorization Required for Diversion or Consignment
DR	**DoD Definition:**
	[29-01] Drop Yard
DS	**DoD Definition:**
	[29-01] Delivery Only on Surrender of Written Order
DT	**DoD Definition:**
	[29-01] Dead in Tow
DU	**DoD Definition:**
	[29-01] Do Not Uncouple
DV	**DoD Definition:**
	[29-01] Equipment
DW	**DoD Definition:**
	[29-01] Destination Weights Apply
ED	**DoD Definition:**
	[29-01] Excessive Dimensions
EE	**DoD Definition:**
	[29-01] Electronic Equipment Transfer
EL	**DoD Definition:**
	[29-01] Environmental Control Limits
EP	**DoD Definition:**
	[29-01] Expedite
ER	**DoD Definition:**

Code	Name
	[29-01] Return Empty Via Reverse Route
EV	**DoD Definition:**
	[29-01] Damages Incurred if Shipment Fails to Meet Vessel Loading
EW	**DoD Definition:**
	[29-01] Excessive Weight
EX	**DoD Definition:**
	[29-01] Explosive Flammable Gas
FA	**DoD Definition:**
	[29-01] Face "A-end" to Head of Train
FB	**DoD Definition:**
	[29-01] Face "B-end" to Head of Train
FC	**DoD Definition:**
	[29-01] Moving Under "For Furtherance Instructions" and May Be Delivered
FD	**DoD Definition:**
	[29-01] Full Service
FG	**DoD Definition:**
	[29-01] Flammable Gas
FL	**DoD Definition:**
	[29-01] Flammable
FP	**DoD Definition:**
	[29-01] Flammable Poison Gas
FR	**DoD Definition:**
	[29-01] Fragile - Handle with Care
FS	**DoD Definition:**
	[29-01] Nontransit Flat Shipment
GI	**DoD Definition:**
	[29-01] Grain Inspection
HE	**DoD Definition:**
	[29-01] Head End Car
HH	**DoD Definition:**
	[29-01] Household
HM	**DoD Definition:**
	[29-01] Endorsed as Hazardous Material
HO	**DoD Definition:**
	[29-01] Hold for Orders
HP	**DoD Definition:**
	[29-01] Heated Prior to Loading
HR	**DoD Definition:**
	[29-01] Home for Repair
HT	**DoD Definition:**
	[29-01] Heat
HV	**DoD Definition:**
	[29-01] High Value Load
HW	**DoD Definition:**
	[29-01] High Wide Load
IB	**DoD Definition:**
	[29-01] In-bond
IC	**DoD Definition:**
	[29-01] Ice
ID	**DoD Definition:**
	[29-01] Shipment to be Inspected at Destination and Disposition Instructions will be Furnished

Code	Name
IM	**DoD Definition:**
	[29-01] Interoffice Move
IP	**DoD Definition:**
	[29-01] Import Shipment
IR	**DoD Definition:**
	[29-01] Rail Incentive Rate
IS	**DoD Definition:**
	[29-01] Surveillance Service
JS	**DoD Definition:**
	[29-01] Junction Settlement Account
LB	**DoD Definition:**
	[29-01] Land Bridge (Import/Export)
LC	**DoD Definition:**
	[29-01] Car Trip Leased to Consignee
LD	**DoD Definition:**
	[29-01] Loading Devices
LF	**DoD Definition:**
	[29-01] Loaded to Full Visible Capacity
LN	**DoD Definition:**
	[29-01] Less Than Container, Consolidator Load
LP	**DoD Definition:**
	[29-01] Protect Lowest Through Rate
LR	**DoD Definition:**
	[29-01] Less Than Container, Factory Load
LS	**DoD Definition:**
	[29-01] Local Service Only
LT	**DoD Definition:**
	[29-01] Less Than Full Carload
MC	**DoD Definition:**
	[29-01] Person in Charge of Car
MF	**DoD Definition:**
	[29-01] Cleared for Border Crossing
MP	**DoD Definition:**
	[29-01] Multiple Pickup
MR	**DoD Definition:**
	[29-01] Mechanical Refrigeration
NC	**DoD Definition:**
	[29-01] Notify Consignee Before Delivery
ND	**DoD Definition:**
	[29-01] Do Not Divert
NE	**DoD Definition:**
	[29-01] No Special Entrainment Required
NH	**DoD Definition:**
	[29-01] Do Not Hump
NI	**DoD Definition:**
	[29-01] New Equipment First Transborder Movement
NP	**DoD Definition:**
	[29-01] Do Not Pool
NS	**DoD Definition:**
	[29-01] Notify Shipper Before Reconsignment
NT	**DoD Definition:**

Code	Name
	[29-01] Do Not Transfer Contents
NW	**DoD Definition:**
	[29-01] In Case of Fire Do Not Use Water
NX	**DoD Definition:**
	[29-01] Not for Export
OS	**DoD Definition:**
	[29-01] Commodity Loaded Less Than or Equal To the Car Ordered
OV	**DoD Definition:**
	[29-01] Overweight
PB	**DoD Definition:**
	[29-01] Perishable in Box Car
PD	**DoD Definition:**
	[29-01] Privately Controlled Private Equipment Subject to Demurrage
PG	**DoD Definition:**
	[29-01] Poisonous Gas
PI	**DoD Definition:**
	[29-01] Iced Prior to Loading
PS	**DoD Definition:**
	[29-01] Product Protection Service
PW	**DoD Definition:**
	[29-01] Attachment - Prepaid Waybill
RA	**DoD Definition:**
	[29-01] Return Authorization
RB	**DoD Definition:**
	[29-01] Render Bill for Charges
RC	**DoD Definition:**
	[29-01] Railroad Controlled Private Equipment Subject to Demurrage
RM	**DoD Definition:**
	[29-01] Radioactive Material
RO	**DoD Definition:**
	[29-01] Rush Order
RR	**DoD Definition:**
	[29-01] Rear Rider
RS	**DoD Definition:**
	[29-01] Inspect Hourly if Car Stopped
RT	**DoD Definition:**
	[29-01] Record for Transit
SB	**DoD Definition:**
	[29-01] Shipper Load/Carrier Count
SC	**DoD Definition:**
	[29-01] Shove to Rest and Cover
SD	**DoD Definition:**
	[29-01] Subject to Special Detention Rules/Charges
SE	**DoD Definition:**
	[29-01] Attachment - Shipper's Export Document
SH	**DoD Definition:**
	[29-01] Shiftable Load
SI	**DoD Definition:**
	[29-01] Ship to Cross Dock or Pool
SK	**DoD Definition:**
	[29-01] Requires Shelf Couplers

Code	Name
SM	**DoD Definition:**
	[29-01] Attachment - Shipper's Manifest
SP	**DoD Definition:**
	[29-01] Attachment - Shipper's Packing Instructions
SR	**DoD Definition:**
	[29-01] Speed Restricted
ST	**DoD Definition:**
	[29-01] Stack Train
SW	**DoD Definition:**
	[29-01] Stretch Wrap
TA	**DoD Definition:**
	[29-01] Cars Temporarily Articulated
TC	**DoD Definition:**
	[29-01] Trailer, Consolidator Load
TF	**DoD Definition:**
	[29-01] Trailer, Factory Load
TN	**DoD Definition:**
	[29-01] Turn Car
TS	**DoD Definition:**
	[29-01] Transit Shipment
TT	**DoD Definition:**
	[29-01] Team Track Delivery
TV	**DoD Definition:**
	[29-01] Time Volume Rates Only
UB	**DoD Definition:**
	[29-01] Unload at Bumper (Circus Ramp)
UI	**DoD Definition:**
	[29-01] Unitized
UL	**DoD Definition:**
	[29-01] Unload from Left Side of Car
UN	**DoD Definition:**
	[29-01] Unload as Placarded
UP	**DoD Definition:**
	[29-01] Unprotected Perishable
UR	**DoD Definition:**
	[29-01] Unload from Right Side of Car
US	**DoD Definition:**
	[29-01] Shipper Certifies Gross Weight under 240,000 pounds
VN	**DoD Definition:**
	[29-01] Verification Weigh
VT	**DoD Definition:**
	[29-01] Ventilation Instructions
WB	**DoD Definition:**
	[29-01] Wide-Body Pickup Truck (Applies to Finished Vehicle Loading
WD	**DoD Definition:**
	[29-01] Waived Inspection - Set Direct
WE	**DoD Definition:**
	[29-01] Weigh Empty
WH	**DoD Definition:**
	[29-01] Attachments - High Wide Notice
WI	**DoD Definition:**

Code	Name
	[29-01] Waive Inspection
WM	**DoD Definition:**
	[29-01] Manifest Must Accompany Waybill
WO	**DoD Definition:**
	[29-01] Weigh to Check for Overload
WW	**DoD Definition:**
	[29-01] Waste Water
XP	**DoD Definition:**
	[29-01] Export
XT	**DoD Definition:**
	[29-01] Cross Town
045	**DoD Definition:**
	[29-01] Advanced Fee
170	**DoD Definition:**
	[29-01] Certificate of Origin
510	**DoD Definition:**
	[29-01] Offshore - Alaska/Hawaii Service
520	**DoD Definition:**
	[29-01] Oversized Premium
550	**DoD Definition:**
	[29-01] Preparation of Air Waybill - Origin
555	**DoD Definition:**
	[29-01] Preparation of Canadian Customs Invoice
565	**DoD Definition:**
	[29-01] Preparation of Export Entry
570	**DoD Definition:**
	[29-01] Preparation of Insurance Certificate
585	**DoD Definition:**
	[29-01] Preparation of U.S. Export Documentation
665	**DoD Definition:**
	[29-01] Saturday Delivery
670	**DoD Definition:**
	[29-01] Saturday Pick-Up
675	**DoD Definition:**
	[29-01] Security Signature Service
761	**DoD Definition:**
	[29-01] Written Proof of Delivery
A1M	**DoD Definition:**
	[29-01] Aggregate 1000
A3M	**DoD Definition:**
	[29-01] Aggregate 3000
A5M	**DoD Definition:**
	[29-01] Aggregate 5000
AAS	**DoD Definition:**
	[29-01] Attendants Accompanying
ADL	**DoD Definition:**
	[29-01] Advance Loading
AFN	**DoD Definition:**
	[29-01] Air Craft Furnished and Not Used
AGG	**DoD Definition:**
	[29-01] Aggregate Tender Discount

Code	Name
AGS	**DoD Definition:**
	[29-01] Armed Guard Service
AIB	**DoD Definition:**
	[29-01] Additional Injection/Blending Service
ALP	**DoD Definition:**
	[29-01] Port Changes
ALT	**DoD Definition:**
	[29-01] Use of Alternate Terminal
AMM	**DoD Definition:**
	[29-01] A.M. Delivery Requirement
ANC	**DoD Definition:**
	[29-01] Anchoring and Unanchoring
APD	**DoD Definition:**
	[29-01] Additional Copy of Shipping Papers for Proof of Delivery
APL	**DoD Definition:**
	[29-01] Appliance Servicing
ARC	**DoD Definition:**
	[29-01] Air Conditioning Disconnect and Connect
ARG	**DoD Definition:**
	[29-01] Rail Armed Guard Service
ARR	**DoD Definition:**
	[29-01] Air Ride Tractor Service
ART	**DoD Definition:**
	[29-01] Air Ride Truck Service
ASY	**DoD Definition:**
	[29-01] Assembly Service Requested
AUX	**DoD Definition:**
	[29-01] Auxiliary Service
BCP	**DoD Definition:**
	[29-01] Bypass Consolidation Point
BKA	**DoD Definition:**
	[29-01] Bulky Article
BLK	**DoD Definition:**
	[29-01] Blocking and Bracing
BLS	**DoD Definition:**
	[29-01] Blind Shipment
BNS	**DoD Definition:**
	[29-01] Bolster Load, Do Not Switch
BOX	**DoD Definition:**
	[29-01] Boxing Service - Dry Bulk
BU2	**DoD Definition:**
	[29-01] Bunker Adjustment - 20 Foot Container
BU4	**DoD Definition:**
	[29-01] Bunker Adjustment - 40 Foot Container
BUA	**DoD Definition:**
	[29-01] Bunker Adjustment
CA2	**DoD Definition:**
	[29-01] Currency Adjustment - 20 Foot Container
CA4	**DoD Definition:**
	[29-01] Currency Adjustment - 40 Foot Container
CAR	**DoD Definition:**

Code	Name
	[29-01] ROEE Car or Pick-up Truck
CCB	**DoD Definition:**
	[29-01] Convert Commercial Bill of Lading (BOL) to Government BOL
CCH	**DoD Definition:**
	[29-01] Certification
CCS	**DoD Definition:**
	[29-01] Carrier Caboose
CDD	**DoD Definition:**
	[29-01] Corrosion Additive Service
CFC	**DoD Definition:**
	[29-01] Customs Fees - Container Level
CFL	**DoD Definition:**
	[29-01] Customs Fees - Lift Level
CGC	**DoD Definition:**
	[29-01] Carrier Guard Car Service
CGR	**DoD Definition:**
	[29-01] Return Carrier Guard Car Service
CGT	**DoD Definition:**
	[29-01] Cargo Taxes
CHN	**DoD Definition:**
	[29-01] Chain and Binders
CIP	**DoD Definition:**
	[29-01] Commercial Invoice Preparation
CIS	**DoD Definition:**
	[29-01] Constant Surveillance
CLN	**DoD Definition:**
	[29-01] Cleaning
CLS	**DoD Definition:**
	[29-01] Class Rates Applied
CMD	**DoD Definition:**
	[29-01] Comb. Rates over Detroit
CNL	**DoD Definition:**
	[29-01] Consolidation and Line Haul
CNS	**DoD Definition:**
	[29-01] Consolidation
CON	**DoD Definition:**
	[29-01] Contract Rates Apply
COR	**DoD Definition:**
	[29-01] Certification That the Newsprint Winding Cores Being Returned Empty Were Received Filled by Rail Freight Service
COU	**DoD Definition:**
	[29-01] Consignee Unload
COV	**DoD Definition:**
	[29-01] Courier, Overnight
CPC	**DoD Definition:**
	[29-01] Copilot Service
CPM	**DoD Definition:**
	[29-01] Customs Papers Mailed
CRL	**DoD Definition:**
	[29-01] Container Lease
CSD	**DoD Definition:**
	[29-01] Courier, Same Day

Code	**Name**
CSP	**DoD Definition:**
	[29-01] Government Caboose
CTL	**DoD Definition:**
	[29-01] Controlled Atmosphere
CTM	**DoD Definition:**
	[29-01] Container Mounting
CTR	**DoD Definition:**
	[29-01] Circuitous Routing
CUF	**DoD Definition:**
	[29-01] Currency Adjustment - Break Bulk
DBL	**DoD Definition:**
	[29-01] Double Wide Separate and Reassemble
DBP	**DoD Definition:**
	[29-01] Delivery of Fuel From Barge to Pipeline
DCS	**DoD Definition:**
	[29-01] DOD Constant Surveillance Service
DDN	**DoD Definition:**
	[29-01] Dual Driver with National Agency Check
DDP	**DoD Definition:**
	[29-01] Dual Driver Protective Service
DDS	**DoD Definition:**
	[29-01] Direct Delivery
DDZ	**DoD Definition:**
	[29-01] Drayage at Port of Debarkation (Rate Zone)
DEL	**DoD Definition:**
	[29-01] Delivery Service
DEP	**DoD Definition:**
	[29-01] Detention of Conveying Equipment and the Power Unit
DET	**DoD Definition:**
	[29-01] Detention of Conveying Equipment Excluding the Power Unit
DEZ	**DoD Definition:**
	[29-01] Drayage at Port of Embarkation (Rate Zone)
DFD	**DoD Definition:**
	[29-01] Keep From Freezing Percent Differential
DFM	**DoD Definition:**
	[29-01] 410 Dromedary with Mechanical Restraining Devices
DFS	**DoD Definition:**
	[29-01] 410 Dromedary
DIS	**DoD Definition:**
	[29-01] Distribution Service Requested
DLP	**DoD Definition:**
	[29-01] Delivery of Fuel From Rail Tank Car to Pipeline
DLR	**DoD Definition:**
	[29-01] Notify Shipper Immediately if Shipment is Delayed en Route
DNC	**DoD Definition:**
	[29-01] Do Not Couple to Other Diaphragmed Cars
DNF	**DoD Definition:**
	[29-01] Do Not Freeze
DNT	**DoD Definition:**
	[29-01] Do Not Couple to Tank Cars
DOC	**DoD Definition:**

Code	Name
	[29-01] Documentation - Special
DOV	**DoD Definition:**
	[29-01] Container Diversion
DPB	**DoD Definition:**
	[29-01] Delivery of Fuel From Pipeline to Barge
DPD	**DoD Definition:**
	[29-01] Drayage at Port of Debarkation
DPE	**DoD Definition:**
	[29-01] Drayage at Port of Embarkation
DPL	**DoD Definition:**
	[29-01] Delivery of Fuel From Pipeline to Rail Tank Car
DPT	**DoD Definition:**
	[29-01] Delivery of Fuel From Pipeline to Tank Truck or Trailer
DPU	**DoD Definition:**
	[29-01] Detention With Power Units (30 minute periods)
DRO	**DoD Definition:**
	[29-01] Drop-Off Delivery
DRU	**DoD Definition:**
	[29-01] Drumming Service
DSK	**DoD Definition:**
	[29-01] Do Not Couple to Double Shelf Couples
DSM	**DoD Definition:**
	[29-01] Dromedary with Mechanical Restraining Devices
DSR	**DoD Definition:**
	[29-01] Dromedary Service Requested
DSV	**DoD Definition:**
	[29-01] Door Side Vanning
DTB	**DoD Definition:**
	[29-01] Labor Associated with Detention of Conveying Equipment
DTP	**DoD Definition:**
	[29-01] Delivery of Fuel From Tank Truck or Trailer to Pipeline
DTV	**DoD Definition:**
	[29-01] Detention (Vehicle)
DWP	**DoD Definition:**
	[29-01] Detention With Power Units (60 minute periods)
EAX	**DoD Definition:**
	[29-01] Extra Axles
ECR	**DoD Definition:**
	[29-01] Escort/Courier Service
ECS	**DoD Definition:**
	[29-01] Empty Railcar Ordered But Not Used
EDD	**DoD Definition:**
	[29-01] Equipment Hose at Destination
EDO	**DoD Definition:**
	[29-01] Equipment Hose at Origin
EED	**DoD Definition:**
	[29-01] Exclusive Use
ELS	**DoD Definition:**
	[29-01] Extra Lights
EMR	**DoD Definition:**
	[29-01] Emergency Service

Code	Name
EMT	**DoD Definition:**
	[29-01] Empty Movement
END	**DoD Definition:**
	[29-01] Endorsement
ERS	**DoD Definition:**
	[29-01] Empty Return
ERT	**DoD Definition:**
	[29-01] Satisfactory Service Standards
EXC	**DoD Definition:**
	[29-01] Exclusive Use of Vehicle
EXD	**DoD Definition:**
	[29-01] Extra Driver
EXL	**DoD Definition:**
	[29-01] Extra Length Surcharge
EXO	**DoD Definition:**
	[29-01] Export Preparation
EXP	**DoD Definition:**
	[29-01] Expedited Rates Applied
EXQ	**DoD Definition:**
	[29-01] Expedited Service
EXT	**DoD Definition:**
	[29-01] Extra Labor
EXU	**DoD Definition:**
	[29-01] Exclusive Use of Vehicle Damaged
EXZ	**DoD Definition:**
	[29-01] Expand Remove and Install
EZE	**DoD Definition:**
	[29-01] Roadway Easy Rates Applied
FAK	**DoD Definition:**
	[29-01] Barge Freight All Kinds Service
FAS	**DoD Definition:**
	[29-01] Firearms
FCS	**DoD Definition:**
	[29-01] Furnishing Chassis
FFC	**DoD Definition:**
	[29-01] Fuel Filters Furnished by Carrier
FFS	**DoD Definition:**
	[29-01] Fuel Filters Furnished by Shipper
FLS	**DoD Definition:**
	[29-01] Flatrack Surcharge
FPT	**DoD Definition:**
	[29-01] For Processing in Transit
FRZ	**DoD Definition:**
	[29-01] Accepted by Carrier at Owner's Risk of Freezing
FST	**DoD Definition:**
	[29-01] For Storage in Transit
FTR	**DoD Definition:**
	[29-01] Filtration Service
GMS	**DoD Definition:**
	[29-01] Garment Surcharge
GOC	**DoD Definition:**

Code	Name
	[29-01] Government-Owned Containers
GSP	**DoD Definition:**
	[29-01] Government Guard Car
GSS	**DoD Definition:**
	[29-01] Greater Security Service
HAL	**DoD Definition:**
	[29-01] Hold at Location
HAN	**DoD Definition:**
	[29-01] Handling
HBR	**DoD Definition:**
	[29-01] Hand Brakes at Each End Must Be Released
HDH	**DoD Definition:**
	[29-01] Shipment Holdover for Holidays
HDW	**DoD Definition:**
	[29-01] Shipment Holdover for Weekends
HEA	**DoD Definition:**
	[29-01] Heat in Transit
HES	**DoD Definition:**
	[29-01] Heat - Special
HET	**DoD Definition:**
	[29-01] Heat With Steam
HMA	**DoD Definition:**
	[29-01] Accessible Hazardous Material
HMI	**DoD Definition:**
	[29-01] Inaccessible Hazardous Material
HOL	**DoD Definition:**
	[29-01] Sunday or Holiday Pickup or Delivery
HOR	**DoD Definition:**
	[29-01] 24 Hour Availability
HOS	**DoD Definition:**
	[29-01] Hose
HOX	**DoD Definition:**
	[29-01] Special Hose
HQT	**DoD Definition:**
	[29-01] High Cube Trailer Rates
HRS	**DoD Definition:**
	[29-01] Heater or Refrigeration
HTI	**DoD Definition:**
	[29-01] Hitch Installation
HZC	**DoD Definition:**
	[29-01] Hazardous Materials Surcharge
HZD	**DoD Definition:**
	[29-01] Hazardous Cargo On Deck
IDC	**DoD Definition:**
	[29-01] Idler Car
IDL	**DoD Definition:**
	[29-01] Inside Delivery
IIH	**DoD Definition:**
	[29-01] Icing Inhibitor Service
IMP	**DoD Definition:**
	[29-01] Impactographs

Code	Name
IMS	**DoD Definition:**
	[29-01] Intermodal Shipment Service
INT	**DoD Definition:**
	[29-01] Intra-Plant Move
IPU	**DoD Definition:**
	[29-01] Inside Pickup
ITS	**DoD Definition:**
	[29-01] Interline Transfer Service
JIT	**DoD Definition:**
	[29-01] Just-In-Time (JIT)
JLX	**DoD Definition:**
	[29-01] Joint Line Exception
KEG	**DoD Definition:**
	[29-01] Certification that the Containers Being Returned Empty Were Received Filled by Rail Freight Service
KMD	**DoD Definition:**
	[29-01] Keep Material Dry
LAB	**DoD Definition:**
	[29-01] Labor Disturbance
LAY	**DoD Definition:**
	[29-01] Layover
LBL	**DoD Definition:**
	[29-01] Apply a Uniform Code Council/International Article Numbering Association (UCC/EAN) Serial Shipping Container Label to the Shipping Containers
LBR	**DoD Definition:**
	[29-01] Light Bar Service
LBT	**DoD Definition:**
	[29-01] Low Boy Trailer/Flat Bed
LC2	**DoD Definition:**
	[29-01] Land Currency Adjustment Factor - 20 Foot Container
LC4	**DoD Definition:**
	[29-01] Land Currency Adjustment - 40 Foot Container
LCL	**DoD Definition:**
	[29-01] Percent Differential - Less Than Container
LEC	**DoD Definition:**
	[29-01] Less Than Container
LFD	**DoD Definition:**
	[29-01] Linehaul from Port of Debarkation
LHS	**DoD Definition:**
	[29-01] Linehaul Service
LIE	**DoD Definition:**
	[29-01] Liability of Carrier
LMD	**DoD Definition:**
	[29-01] Liner Terms at Port of Debarkation
LME	**DoD Definition:**
	[29-01] Liner Terms at Port of Embarkation
LPD	**DoD Definition:**
	[29-01] Linehaul Percent Differential
LTE	**DoD Definition:**
	[29-01] Linehaul To Port of Embarkation
LTT	**DoD Definition:**
	[29-01] Less Than Truckload

Code	Name
LYC	**DoD Definition:**
	[29-01] Layover Service
MAT	**DoD Definition:**
	[29-01] Modified Atmosphere
MEN	**DoD Definition:**
	[29-01] Escort Service with Overnight Subsistence
MES	**DoD Definition:**
	[29-01] Escort
MET	**DoD Definition:**
	[29-01] Escort Services (Telephone)
MIN	**DoD Definition:**
	[29-01] Insulated
MNS	**DoD Definition:**
	[29-01] Motor Surveillance Service
MOT	**DoD Definition:**
	[29-01] Other
MRF	**DoD Definition:**
	[29-01] Refrigerated
MSS	**DoD Definition:**
	[29-01] Motor Surveillance Service
MTE	**DoD Definition:**
	[29-01] Military Traffic Expediting Service
MVS	**DoD Definition:**
	[29-01] Special Motor Surveillance
NHC	**DoD Definition:**
	[29-01] Do not Hump or Hump into
NHL	**DoD Definition:**
	[29-01] Do Not Use Helper Locomotive to Push
NPR	**DoD Definition:**
	[29-01] No Placards Required
NSV	**DoD Definition:**
	[29-01] Nose Side Vanning
OAH	**DoD Definition:**
	[29-01] Stow Away from Heat
OBL	**DoD Definition:**
	[29-01] Block Stowage
OCA	**DoD Definition:**
	[29-01] Cargo Aboard
OCL	**DoD Definition:**
	[29-01] Carrier Load and Consignee Unload
OCN	**DoD Definition:**
	[29-01] Over Height Container
OCS	**DoD Definition:**
	[29-01] Completing Shipment
OCV	**DoD Definition:**
	[29-01] Delivery Verification Not Required
ODI	**DoD Definition:**
	[29-01] Stow with Doors Facing Inward
OEH	**DoD Definition:**
	[29-01] Exempt Commodity
OFH	**DoD Definition:**

Code	Name
	[29-01] In Front of House Stowage
OFU	**DoD Definition:**
	[29-01] Fumigation
OHC	**DoD Definition:**
	[29-01] Harmless
OIL	**DoD Definition:**
	[29-01] Oil Field Service
ONC	**DoD Definition:**
	[29-01] Use No Hooks
ONS	**DoD Definition:**
	[29-01] Not Restricted Cargo
OOB	**DoD Definition:**
	[29-01] Cargo on Board Certification Required
OOD	**DoD Definition:**
	[29-01] On Deck Stowage
OOL	**DoD Definition:**
	[29-01] Carrier Load and Carrier Unload
OPR	**DoD Definition:**
	[29-01] Perishable
OPT	**DoD Definition:**
	[29-01] Partial Shipment
OSB	**DoD Definition:**
	[29-01] Stow Below Deck
OST	**DoD Definition:**
	[29-01] Stow Between Decks
OTC	**DoD Definition:**
	[29-01] Temperature Control
OTD	**DoD Definition:**
	[29-01] Time of Delivery and Signature Required
OTH	**DoD Definition:**
	[29-01] On Top In-hatch Stowage
OTO	**DoD Definition:**
	[29-01] On Top On-deck Stowage
OTS	**DoD Definition:**
	[29-01] Total Shipment
OUC	**DoD Definition:**
	[29-01] Under Container On-deck Stowage
OUW	**DoD Definition:**
	[29-01] Below Water Line Stowage
OVR	**DoD Definition:**
	[29-01] Overflow
OWC	**DoD Definition:**
	[29-01] Over Width Container
OWR	**DoD Definition:**
	[29-01] One Way Rates Applied
PAJ	**DoD Definition:**
	[29-01] Pumping Equipment
PAV	**DoD Definition:**
	[29-01] Pickup of Shipments on Saturday, Sunday, and/or Holidays Requiring Absolute Next Day Delivery
PDS	**DoD Definition:**
	[29-01] Pickup and Delivery From Storage in Transit

Code	Name
PDY	**DoD Definition:**
	[29-01] Pickup and Delivery Beyond Service Area
PER	**DoD Definition:**
	[29-01] Special Permits
PFH	**DoD Definition:**
	[29-01] Protect From Heat
PHR	**DoD Definition:**
	[29-01] Per Hour Rates Applied
PIR	**DoD Definition:**
	[29-01] Pier Time
PMM	**DoD Definition:**
	[29-01] P.M. Delivery Requirement
PMR	**DoD Definition:**
	[29-01] Per Mile Rates Apply
PMS	**DoD Definition:**
	[29-01] Pickup of Shipments Requiring Same Day Delivery Service
PMT	**DoD Definition:**
	[29-01] Pickup of Shipments Requiring Same Day Delivery Service and/or Delivery at a Specified Time
POC	**DoD Definition:**
	[29-01] Piano/Organ Carry
PPD	**DoD Definition:**
	[29-01] Pickup and Delivery Service for Perishables
PRL	**DoD Definition:**
	[29-01] Prelodge
PRT	**DoD Definition:**
	[29-01] Stuffing Charge
PSG	**DoD Definition:**
	[29-01] Protective Service Security with Armed Guards
PSS	**DoD Definition:**
	[29-01] Protective Security Service
PTS	**DoD Definition:**
	[29-01] Protective Tarp For Security Purposes
PUC	**DoD Definition:**
	[29-01] Pickup
PUD	**DoD Definition:**
	[29-01] Pickup and Delivery
PUK	**DoD Definition:**
	[29-01] Pack and Unpack
PUP	**DoD Definition:**
	[29-01] PUP Trailer Rates Apply
PVB	**DoD Definition:**
	[29-01] Bonded Privately Owned Vehicle
PVD	**DoD Definition:**
	[29-01] Detention of Privately Owned Vehicle
PVI	**DoD Definition:**
	[29-01] Inoperable Privately Owned Vehicle
PVL	**DoD Definition:**
	[29-01] Loading/Unloading of Privately Owned Vehicle
PVP	**DoD Definition:**
	[29-01] Private Owned Vehicle Processing
PVS	**DoD Definition:**

Code	Name
	[29-01] Stop-offs for Privately Owned Vehicle Shipment
PVT	**DoD Definition:**
	[29-01] Privately Owned Vehicle in Truckaway Service
PYS	**DoD Definition:**
	[29-01] Priority Service
RCC	**DoD Definition:**
	[29-01] Reconsignment
RCL	**DoD Definition:**
	[29-01] Redelivery
RDH	**DoD Definition:**
	[29-01] Railhead Handling
RDR	**DoD Definition:**
	[29-01] Roadrailer Service
REP	**DoD Definition:**
	[29-01] Respotting
RES	**DoD Definition:**
	[29-01] Residential Delivery
RFM	**DoD Definition:**
	[29-01] Reefer Maintenance
RIE	**DoD Definition:**
	[29-01] Released Value Charge in Excess of Carrier Maximum Liability
RLS	**DoD Definition:**
	[29-01] Relocation of Vehicle
RMC	**DoD Definition:**
	[29-01] Return of Empty Container
RMP	**DoD Definition:**
	[29-01] Return Movement of Pallet
RMS	**DoD Definition:**
	[29-01] Rail Surveillance
RPD	**DoD Definition:**
	[29-01] Reefer Cargo Percent Differential
RRR	**DoD Definition:**
	[29-01] Round Trip Service
RSP	**DoD Definition:**
	[29-01] Reshipment
RSS	**DoD Definition:**
	[29-01] Restricted Speeds
RSV	**DoD Definition:**
	[29-01] Reservations
RWR	**DoD Definition:**
	[29-01] Reweight Requested
SAS	**DoD Definition:**
	[29-01] Shipment Holdover on Weekends
SAT	**DoD Definition:**
	[29-01] Saturday Pickup or Delivery
SCC	**DoD Definition:**
	[29-01] Special Containers
SCL	**DoD Definition:**
	[29-01] Shipper Load and Consignee Unload
SDL	**DoD Definition:**
	[29-01] Split Delivery

Code	Name
SDS	**DoD Definition:**
	[29-01] Special Dromedary Service
SEC	**DoD Definition:**
	[29-01] Special Equipment Charge
SED	**DoD Definition:**
	[29-01] Shipper Export Declaration Required
SEE	**DoD Definition:**
	[29-01] Stairs, Elevator, Excess Carry
SER	**DoD Definition:**
	[29-01] Service Charge Applies
SEV	**DoD Definition:**
	[29-01] Security Escort Vehicle Service
SFB	**DoD Definition:**
	[29-01] Single Factor Origination/Destination
SFD	**DoD Definition:**
	[29-01] Single Factor Origination/Port of Debarkation
SFE	**DoD Definition:**
	[29-01] Single Factor Port of Embarkation/Destination
SFT	**DoD Definition:**
	[29-01] Special Train Movement
SGL	**DoD Definition:**
	[29-01] Single Shipment
SHH	**DoD Definition:**
	[29-01] Shipment Holdover on Holidays
SHL	**DoD Definition:**
	[29-01] Shipper Load
SHW	**DoD Definition:**
	[29-01] Shipment Holdover on Weekdays
SKT	**DoD Definition:**
	[29-01] Skirting and Unskirting
SLC	**DoD Definition:**
	[29-01] Shipper Load and Count
SMP	**DoD Definition:**
	[29-01] Small Package
SMS	**DoD Definition:**
	[29-01] Satellite Surveillance Service
SNM	**DoD Definition:**
	[29-01] Transmit a Ship Notice/Manifest Transaction Set
SNS	**DoD Definition:**
	[29-01] Satellite Surveillance Service
SNT	**DoD Definition:**
	[29-01] Shipment from Non-Temp Storage
SOC	**DoD Definition:**
	[29-01] Stop-off
SOL	**DoD Definition:**
	[29-01] Shipper Load and Carrier Unload
SPC	**DoD Definition:**
	[29-01] Special Permit
SPR	**DoD Definition:**
	[29-01] Spreader Service
SPT	**DoD Definition:**

Code	Name
	[29-01] Spot for Storage - No Shipment
SPU	**DoD Definition:**
	[29-01] Split Pickup
SRG	**DoD Definition:**
	[29-01] Storage
SRS	**DoD Definition:**
	[29-01] Surveying Routes
SSC	**DoD Definition:**
	[29-01] Stripping, Sorting & Consolidation
SSN	**DoD Definition:**
	[29-01] Substitute Service Not to be Used
SSU	**DoD Definition:**
	[29-01] Pole Lashing Equipment (PLE) Surcharge
STA	**DoD Definition:**
	[29-01] Conductivity/Anti-static Additive
STD	**DoD Definition:**
	[29-01] Stopoff at Destination
STO	**DoD Definition:**
	[29-01] Stowage
STP	**DoD Definition:**
	[29-01] Stopoff at Origination
STR	**DoD Definition:**
	[29-01] Signature and Tally Record
SUA	**DoD Definition:**
	[29-01] Spot for Unloading from A End
SUB	**DoD Definition:**
	[29-01] Spot for Unloading from B Brake End
SUP	**DoD Definition:**
	[29-01] Supervisor Requested
SVS	**DoD Definition:**
	[29-01] Storage of Vehicles
TDC	**DoD Definition:**
	[29-01] Truckload-Double Operator-Common Carrier
TDP	**DoD Definition:**
	[29-01] Truckload-Double Operator-Padded Van
TER	**DoD Definition:**
	[29-01] Terminal Handling Charges
TLS	**DoD Definition:**
	[29-01] Tendered as Truckload (Truckload Service Requested)
TMS	**DoD Definition:**
	[29-01] Multi-Tank Surveillance Service
TMV	**DoD Definition:**
	[29-01] Tendering of Multiple Vehicles
TOF	**DoD Definition:**
	[29-01] Trailer on Flat Car
TPS	**DoD Definition:**
	[29-01] Third Party Service
TRA	**DoD Definition:**
	[29-01] Tractor Only
TRK	**DoD Definition:**
	[29-01] Truck Rates Applicable

Code	Name
TRL	**DoD Definition:**
	[29-01] Trailer Preparation - Special
TRM	**DoD Definition:**
	[29-01] Termination
TRN	**DoD Definition:**
	[29-01] Transfer Product
TRP	**DoD Definition:**
	[29-01] Tire Repair and Replace
TRS	**DoD Definition:**
	[29-01] Trade Show
TRT	**DoD Definition:**
	[29-01] Tractor and Trailer
TSC	**DoD Definition:**
	[29-01] Truckload-Single Operator-Common Carrier
TSP	**DoD Definition:**
	[29-01] Truckload-Single Operator-Padded Van
TSS	**DoD Definition:**
	[29-01] Tank Surveillance Service
UFC	**DoD Definition:**
	[29-01] Under Carriage Furnished By Carrier
UPK	**DoD Definition:**
	[29-01] Unpacking
URC	**DoD Definition:**
	[29-01] Unloading or Reloading
UTL	**DoD Definition:**
	[29-01] Utilities Disconnect and Connect
VAC	**DoD Definition:**
	[29-01] Vacuum Service
VAN	**DoD Definition:**
	[29-01] ROEE Van Type Truck
VCL	**DoD Definition:**
	[29-01] Van Cleaning
VFN	**DoD Definition:**
	[29-01] Vehicles Furnished But Not Used
VIS	**DoD Definition:**
	[29-01] Vehicles Inoperable
VSO	**DoD Definition:**
	[29-01] Stop Off Delivery of Personal Vehicles
VTS	**DoD Definition:**
	[29-01] Vehicles in Truckaway
WBB	**DoD Definition:**
	[29-01] Wharfage - Breakbulk
WCT	**DoD Definition:**
	[29-01] Wharfage - Container
WDS	**DoD Definition:**
	[29-01] Waterfront Delivery
WFG	**DoD Definition:**
	[29-01] Wharfage
WRB	**DoD Definition:**
	[29-01] War Risk Crew Bonus
WRI	**DoD Definition:**

Code	Name
	[29-01] War Risk Insurance
WTV	**DoD Definition:**
	[29-01] Weight Verification
ZZZ	**DoD Definition:**
	[29-01] Mutually Defined

AT502	560	**Special Services Code**	X	ID	2/10	Used

Description: Code identifying the special service

DoD Definition: *[29-02] Special Services Code (DG 100)*

Refer to X12 Standards, Version 4010, DE 560 for applicable code values

Code	Name
AC	**DoD Definition:**
	[29-02] Acid (Battery)
AD	**DoD Definition:**
	[29-02] Accept at Destination
AF	**DoD Definition:**
	[29-02] Affidavit
AG	**DoD Definition:**
	[29-02] Aircraft On Ground (AOG)
AM	**DoD Definition:**
	[29-02] Administration
AO	**DoD Definition:**
	[29-02] Accept at Origin
BH	**DoD Definition:**
	[29-02] Buyer Hand Carry
BI	**DoD Definition:**
	[29-02] Bill and Hold
C1	**DoD Definition:**
	[29-02] Shipper Load and Count
C2	**DoD Definition:**
	[29-02] Carrier Load and Count
CA	**DoD Definition:**
	[29-02] Cataloging Services
CC	**DoD Definition:**
	[29-02] Carrier Unload
CD	**DoD Definition:**
	[29-02] COD Request
CH	**DoD Definition:**
	[29-02] Cut and Parallel
CI	**DoD Definition:**
	[29-02] Cut
CM	**DoD Definition:**
	[29-02] Continuous Movement
CN	**DoD Definition:**
	[29-02] Combination Performance and Non-performance
CO	**DoD Definition:**
	[29-02] Cooperative Unloading
CS	**DoD Definition:**
	[29-02] Cigarette Stamping
CT	**DoD Definition:**

Code	Name
	[29-02] Count and Recount
CU	**DoD Definition:**
	[29-02] Consignee Unload
CY	**DoD Definition:**
	[29-02] Carry-in Service
CZ	**DoD Definition:**
	[29-02] Cable Pressurization
D1	**DoD Definition:**
	[29-02] One - Day Service
D2	**DoD Definition:**
	[29-02] Two - Day Service
DA	**DoD Definition:**
	[29-02] Delivery Acknowledgment
DE	**DoD Definition:**
	[29-02] De-Installation
DH	**DoD Definition:**
	[29-02] Drop and Hook Receiving
DI	**DoD Definition:**
	[29-02] Die Service Charge
DL	**DoD Definition:**
	[29-02] Delivery
DS	**DoD Definition:**
	[29-02] Designated Supplier Inspection
DV	**DoD Definition:**
	[29-02] Declared Value
EG	**DoD Definition:**
	[29-02] Engraving
EM	**DoD Definition:**
	[29-02] Emergency Service
EN	**DoD Definition:**
	[29-02] Enclosure
ER	**DoD Definition:**
	[29-02] Equipment Manufacturer Restoration Audit
EU	**DoD Definition:**
	[29-02] Exclusive Use Of Equipment
EX	**DoD Definition:**
	[29-02] Expedited Service
F1	**DoD Definition:**
	[29-02] Full Service
FG	**DoD Definition:**
	[29-02] Free Goods
FS	**DoD Definition:**
	[29-02] Floor Stock Protection
GI	**DoD Definition:**
	[29-02] Grouped Items
GP	**DoD Definition:**
	[29-02] Gas Pressure
GU	**DoD Definition:**
	[29-02] Guaranteed Inspection Technical Service
H1	**DoD Definition:**
	[29-02] Temperature Protection

Code	Name
HC	**DoD Definition:**
	[29-02] Handling Service
HH	**DoD Definition:**
	[29-02] Hointins and Hauling
HS	**DoD Definition:**
	[29-02] Hauling and Hoisting
IC	**DoD Definition:**
	[29-02] Inside Cable Connectors
ID	**DoD Definition:**
	[29-02] Inside Delivery
IG	**DoD Definition:**
	[29-02] Invoice with Goods
IK	**DoD Definition:**
	[29-02] Insurance Provided by Lessee
IL	**DoD Definition:**
	[29-02] Insurance Provided by Lessor
IM	**DoD Definition:**
	[29-02] Inspect at Destination
IN	**DoD Definition:**
	[29-02] Insurance
IO	**DoD Definition:**
	[29-02] Inspect at Origin
IP	**DoD Definition:**
	[29-02] In-stock Merchandise
IQ	**DoD Definition:**
	[29-02] Interim Use Permitted at Special Rate
IR	**DoD Definition:**
	[29-02] Installation and Training
IS	**DoD Definition:**
	[29-02] Invoice Services
IT	**DoD Definition:**
	[29-02] In Transit Price Protection
KO	**DoD Definition:**
	[29-02] Koshering
L1	**DoD Definition:**
	[29-02] Shipper Load, Carrier Count
LA	**DoD Definition:**
	[29-02] Labeling
LL	**DoD Definition:**
	[29-02] Loading Service
LS	**DoD Definition:**
	[29-02] Lease Shortfall Consideration
MI	**DoD Definition:**
	[29-02] Mail Invoice
ML	**DoD Definition:**
	[29-02] Mail Invoice to Each Location
NC	**DoD Definition:**
	[29-02] Notify Consignee Before Delivery
OA	**DoD Definition:**
	[29-02] Outside Cable Connectors
ON	**DoD Definition:**

Code	Name
	[29-02] On-site Service
OP	**DoD Definition:**
	[29-02] Oversized Package
PA	**DoD Definition:**
	[29-02] Pack Invoice with Shipment
PB	**DoD Definition:**
	[29-02] Previous Billing
PC	**DoD Definition:**
	[29-02] Packaging Service
PE	**DoD Definition:**
	[29-02] Pulling Eyes
PF	**DoD Definition:**
	[29-02] Proof & Composition
PL	**DoD Definition:**
	[29-02] Palletizing
PM	**DoD Definition:**
	[29-02] Perpetual Movement
PO	**DoD Definition:**
	[29-02] Purchase Option
PP	**DoD Definition:**
	[29-02] Progress Payment Requirement
RD	**DoD Definition:**
	[29-02] Residential Delivery
RE	**DoD Definition:**
	[29-02] Recall Service
RM	**DoD Definition:**
	[29-02] Roundtrip Movement
RP	**DoD Definition:**
	[29-02] Return Parts to Customer
S1	**DoD Definition:**
	[29-02] Shipper Load, Consignee Unload
S2	**DoD Definition:**
	[29-02] Slip Sheet, Truck
S3	**DoD Definition:**
	[29-02] Seller Hand Carry
SD	**DoD Definition:**
	[29-02] Shrinkage Allowance
SG	**DoD Definition:**
	[29-02] Same - Day Service
SH	**DoD Definition:**
	[29-02] Special Handling Service
SJ	**DoD Definition:**
	[29-02] Subject To Tax On Resale
SR	**DoD Definition:**
	[29-02] Slip Sheet, Rail
SS	**DoD Definition:**
	[29-02] Tax Liability - One Time
ST	**DoD Definition:**
	[29-02] Tax Liability - Amortized
SU	**DoD Definition:**
	[29-02] Set-up

Code	Name
SV	**DoD Definition:**
	[29-02] Service Center
SW	**DoD Definition:**
	[29-02] Swell
T1	**DoD Definition:**
	[29-02] Onetime Tooling
TC	**DoD Definition:**
	[29-02] Ticketing Service
TE	**DoD Definition:**
	[29-02] Tendered as Truckload
TH	**DoD Definition:**
	[29-02] Technology Exchange
TM	**DoD Definition:**
	[29-02] Consecutive Movement
TO	**DoD Definition:**
	[29-02] Tooling
UN	**DoD Definition:**
	[29-02] Unitized
US	**DoD Definition:**
	[29-02] USDA Inspected, Stamping Certification
V1	**DoD Definition:**
	[29-02] Drop Yard
V2	**DoD Definition:**
	[29-02] Drop Dock
WC	**DoD Definition:**
	[29-02] Will Call
WH	**DoD Definition:**
	[29-02] Warehousing
XP	**DoD Definition:**
	[29-02] Expanded Service
XX	**DoD Definition:**
	[29-02] Third Party Pallets
YY	**DoD Definition:**
	[29-02] Split Pickup
ZZ	**DoD Definition:**
	[29-02] Mutually Defined
BOP	**DoD Definition:**
	[29-02] Bop Sheet
PLI	**DoD Definition:**
	[29-02] Pilot Inspection
PSF	**DoD Definition:**
	[29-02] Pickup Service Furnished
SLP	**DoD Definition:**
	[29-02] Slip Sheet
SPI	**DoD Definition:**
	[29-02] Specification Review
A0010	**DoD Definition:**
	[29-02] Alterations
A0020	**DoD Definition:**
	[29-02] Anneal/Heat (Steel or Glass Treatment)
A0030	**DoD Definition:**

Code	Name
	[29-02] Art Work
B0020	**DoD Definition:**
	[29-02] Black Lung Tax
B0040	**DoD Definition:**
	[29-02] Burning
C0012	**DoD Definition:**
	[29-02] Capping
C0032	**DoD Definition:**
	[29-02] Coating (Dip, Rustproof, EDP)
C0036	**DoD Definition:**
	[29-02] Certificate of Conformance
C0038	**DoD Definition:**
	[29-02] Certificate of Origin
D0020	**DoD Definition:**
	[29-02] Determined Freight
D0024	**DoD Definition:**
	[29-02] Layout/Design
D0031	**DoD Definition:**
	[29-02] Driver Assisted Unloading
D0032	**DoD Definition:**
	[29-02] Driver Assisted Loading
E0030	**DoD Definition:**
	[29-02] Exclusive use
G0010	**DoD Definition:**
	[29-02] Grinding
G0052	**DoD Definition:**
	[29-02] Government Inspection
I0012	**DoD Definition:**
	[29-02] Installation
I0013	**DoD Definition:**
	[29-02] Installation & Warranty
I0021	**DoD Definition:**
	[29-02] Inspection
I0022	**DoD Definition:**
	[29-02] Identification
M0010	**DoD Definition:**
	[29-02] Memo Returnable Container
M0042	**DoD Definition:**
	[29-02] Mounting
MNTAN	**DoD Definition:**
	[29-02] Annual Maintenance
MNTMN	**DoD Definition:**
	[29-02] Monthly Maintenance
MNTON	**DoD Definition:**
	[29-02] One-Time Maintenance
N0020	**DoD Definition:**
	[29-02] Non-returnable Containers
N0021	**DoD Definition:**
	[29-02] Non-Returnable
N0032	**DoD Definition:**
	[29-02] Notarized Affidavit

Code	Name
P0012	**DoD Definition:**
	[29-02] Painting (Primer or Finish)
P0014	**DoD Definition:**
	[29-02] Phosphatizing (Steel Treatment)
P0016	**DoD Definition:**
	[29-02] Pickle and Oil
P0018	**DoD Definition:**
	[29-02] Plating
P0022	**DoD Definition:**
	[29-02] Preparation
R0072	**DoD Definition:**
	[29-02] Repair
R0076	**DoD Definition:**
	[29-02] Returnable Container
R0077	**DoD Definition:**
	[29-02] Returnable
R0110	**DoD Definition:**
	[29-02] Rework
S0014	**DoD Definition:**
	[29-02] Shearing
S0016	**DoD Definition:**
	[29-02] Shotblasting
S0022	**DoD Definition:**
	[29-02] Sleeving
S0024	**DoD Definition:**
	[29-02] Ship to Stock Quality Audit
S0050	**DoD Definition:**
	[29-02] Special Packaging
S0052	**DoD Definition:**
	[29-02] Stamping
S0054	**DoD Definition:**
	[29-02] Source Inspection
S0056	**DoD Definition:**
	[29-02] Strapping
S0080	**DoD Definition:**
	[29-02] Supplemental Items
T0070	**DoD Definition:**
	[29-02] Tools for Printing
W0010	**DoD Definition:**
	[29-02] Warranties
X0010	**DoD Definition:**
	[29-02] Combine All Same Day Shipment

AT503	153	**Special Handling Description**	X	AN	2/30	Used

Description: Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate

DoD Definition: *[29-03] Special Handling Description (DG 100)*

AT8	Shipment Weight, Packaging and Quantity Data	Pos: 200	Max: 10
		Heading - Optional	
		Loop: 0200	Elements: 7

User Option (Usage): Used

Purpose: To specify shipment details in terms of weight, and quantity of handling units

Syntax Rules:

1. P0607 - If either AT806 or AT807 is present, then the other is required.
2. P010203 - If either AT801, AT802 or AT803 are present, then the others are required.

Semantics:

1. AT804 is the quantity of handling units that are not unitized (for example a carton).
2. When added to the quantity in AT805, it is the total quantity of handling units in the shipment.
3. AT805 is the quantity of handling units that are unitized (for example on a pallet or slip sheet).
   When added to the quantity in AT804 it is the total quantity of handling units for the shipment.

DoD Segment Definition:

[30] AT8 SEGMENT - Weight Information (DG 100)
SEGMENT CONDITION: Carriers are encouraged to provide this data if available. This segment may occur once per shipment status event (LX Loop).

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT801	187	**Weight Qualifier**	X	ID	1/2	Used

Description: Code defining the type of weight

DoD Definition: *[30-01] Weight Qualifier (DG 100)*

ELEMENT CONDITION: Required if AT802 and AT803 are used.

Code	Name
B	**DoD Definition:**
	[30-01] Billed Weight
G	**DoD Definition:**
	[30-01] Gross Weight
N	**DoD Definition:**
	[30-01] Actual Net Weight
T	**DoD Definition:**
	[30-01] Tare Weight
A3	**DoD Definition:**
	[30-01] Shippers Weight
FR	**DoD Definition:**
	[30-01] Freight Weight
PA	**DoD Definition:**
	[30-01] Pallet Weight
SK	**DoD Definition:**
	[30-01] Skid Weight
WX	**DoD Definition:**
	[30-01] [Migration Code] Net Explosive Weight

| AT802 | 188 | **Weight Unit Code** | X | ID | 1/1 | Used |

Description: Code specifying the weight unit

DoD Definition: *[30-02] Weight Unit Code (DG 100)*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		ELEMENT CONDITION: Required if AT801 and AT802 are used.				

Code Name

K	**DoD Definition:**	
	[30-02] Kilograms	
L	**DoD Definition:**	
	[30-02] Pounds	
S	**DoD Definition:**	
	[30-02] Short Ton	

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT803	81	**Weight**	X	R	1/10	Used

Description: Numeric value of weight

DoD Definition: *[30-03] Weight (DG 100)*

ELEMENT CONDITION: Required if AT801 and AT802 are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT804	80	**Lading Quantity**	O	N0	1/7	Used

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

DoD Definition: *[30-04] Lading Quantity (DG 100)*

AT804 is the quantity of handling units that are not unitized (for example a carton). When added to the quantity in AT805, it is the total quantity of handling units in the shipment.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT805	80	**Lading Quantity**	O	N0	1/7	Used

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

DoD Definition: *[30-05] Lading Quantity (DG 100)*

AT805 is the quantity of handling units that are unitized (for example on a pallet or slip sheet). When added to the quantity in AT804 it is the total quantity of handling units for the shipment.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT806	184	**Volume Unit Qualifier**	X	ID	1/1	Used

Description: Code identifying the volume unit

DoD Definition: *[30-06] Volume Unit Qualifier (DG 100)*

ELEMENT CONDITION: Required if AT807 is used.

Code Name

B	**DoD Definition:**	
	[30-06] Barge	
C	**DoD Definition:**	
	[30-06] Cubic Centimeters	
D	**DoD Definition:**	
	[30-06] Cord	
E	**DoD Definition:**	
	[30-06] Cubic Feet	
F	**DoD Definition:**	
	[30-06] 100 Board Feet	
G	**DoD Definition:**	
	[30-06] Gallons	
H	**DoD Definition:**	
	[30-06] Hundreds of Measurement Tons	
L	**DoD Definition:**	
	[30-06] Load	

Code	Name
M	**DoD Definition:**
	[30-06] Cubic Decimeters
N	**DoD Definition:**
	[30-06] Cubic Inches
R	**DoD Definition:**
	[30-06] Car
S	**DoD Definition:**
	[30-06] Measurement Ton
T	**DoD Definition:**
	[30-06] Container
U	**DoD Definition:**
	[30-06] Volumetric Unit
V	**DoD Definition:**
	[30-06] Liter
X	**DoD Definition:**
	[30-06] Cubic Meters

AT807	183	**Volume**	X	R	1/8	Used

Description: Value of volumetric measure
DoD Definition: *[30-07] Volume (DG 100)*
ELEMENT CONDITION: Required if AT806 is used.

SE Transaction Set Trailer

Pos: 610	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Used

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)

Comments:

1. 1 SE is the last segment of each transaction set.

DoD Segment Definition:

[31] SE SEGMENT - Motor Carrier Shipment Status Trailer (DG 900)

Element Summary:

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

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

DoD Definition: *[31-01] Number of Included Segments (DG 900)*

Total segments in this transaction set including the ST and SE segments.

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

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

DoD Definition: *[31-02] Transaction Set Control Number (DG 900)*

This data element ends the transaction set and should match the number that appears in the ST02 that begins the transaction set.

Code	Name
F	**DoD Definition:**
	[30-06] 100 Board Feet
G	**DoD Definition:**
	[30-06] Gallons
H	**DoD Definition:**
	[30-06] Hundreds of Measurement Tons
L	**DoD Definition:**
	[30-06] Load
M	**DoD Definition:**
	[30-06] Cubic Decimeters
N	**DoD Definition:**
	[30-06] Cubic Inches
R	**DoD Definition:**
	[30-06] Car
S	**DoD Definition:**
	[30-06] Measurement Ton
T	**DoD Definition:**
	[30-06] Container
U	**DoD Definition:**
	[30-06] Volumetric Unit
V	**DoD Definition:**
	[30-06] Liter
X	**DoD Definition:**
	[30-06] Cubic Meters

AT807	183	**Volume**	X	R	1/8	Used	1

Description: Value of volumetric measure

DoD Definition: *[30-07] Volume (DG 100)*

ELEMENT CONDITION: Required if AT806 is used.

SE Transaction Set Trailer

Pos: 610	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Used

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)

Comments:

1. 1 SE is the last segment of each transaction set.

DoD Segment Definition:

[31] SE SEGMENT - Motor Carrier Shipment Status Trailer (DG 900)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
SE01	96	**Number of Included Segments**	M	N0	1/10	Used	1
		Description: Total number of segments included in a transaction set including ST and SE segments					
		DoD Definition: *[31-01] Number of Included Segments (DG 900)*					
		Total segments in this transaction set including the ST and SE segments.					
SE02	329	**Transaction Set Control Number**	M	AN	4/9	Used	1
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set					
		DoD Definition: *[31-02] Transaction Set Control Number (DG 900)*					
		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 lists that information in an IC Element Matrix.

PURPOSE

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

HOW TO READ THE IC ELEMENT MATRIX

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

Record Types

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

- Segment header records begin the description of a discrete occurrence of an X12 segment. The element records (described below) that follow a segment header record cannot be co-mingled with elements from other segments.

- Element records identify an individual data element that occurs within a segment. Each element satisfies either an application requirement or X12 standard syntax. If one element in a segment is passed, all elements in the segment need to be passed in accordance with the IC requirement designator (DoD REQ).

Two Categories of Record Information

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

- IC application information describes attributes about the application requirement.

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

Matrix Layout

The IC element matrix lists information in sixteen columns.

• IC Index Number (Index) enables designers and programmers to quickly cite a record in the matrix.

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

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

• IC Notes & Codes (DoD Information Notes and Codes) can contain application notes about various segment and element conditions or requirements. This column may also list both X12 standard codes and DoD unique codes. If the list is larger than 20 codes, it may appear in the section that contains Code Lists.

• IC Attributes (Attributes). When part of a segment header record, this column indicates the usage of the segment. When part of an element record, this column indicates the usage of the element within the segment, if the segment is used. Attributes may differ from those in the *ASC* X12 standard. For example, if trading partners expect to exchange a purchase order number that has a specific length and structure, those attributes are described here. Attributes include requirement designator, data element type, minimum length and maximum length.

• X12 Transaction Set Table Number (Tabl).

• X12 Segment Position (Pos).

• X12 Requirement Designator (Req Des) . This column applies only to Segment Header type matrix records.

• X12 Maximum Usage (Max Use). This column applies only to Segment Header type matrix records.

• X12 Loop Repeat (Lp Rpt) indicates the number of times a loop may be used. This column applies only to Segment Header type matrix records.

• X12 Loop Level (Lp Lv). Loops may be nested within other loops. This column indicates the nesting level for each loop and applies only to Segment Header type matrix records.

• X12 Loop ID (Lp ID). This column applies only to Segment Header type matrix records.

• X12 Segment Reference Designator (Ref Des) . This column applies only to Element type matrix records.

• X12 Simple or Composite Data Element Number (DE#). This column applies only to Element type matrix records.

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

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

Sort Order of the Matrix

The matrix presents IC elements in an order that enables programmers to generate application-to-translator interface files (also known as user-defined files or UDFs) that are syntactically correct to *ASC* X12 standards. IC elements are grouped under segment header records. When exchanging an IC element, the programmer needs to generate the entire segment under which the element is listed. Likewise, when exchanging a segment, the programmer needs to generate the entire loop structure to which the segment belongs.

APPLICATION NOTES

The IC element matrix in this section maps data requirements for the Motor Carrier Shipment Status into the *ASC* X12 Transaction Set 214 Shipment Information. These requirements were developed by transportation activities involved in the DoD electronic data interchange effort.

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

		DoD INFORMATION					X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes		DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #			Attributes	
1	10	**ST SEGMENT - Motor Carrier Shipment Status Header**	M			1	010	M	1									
1-01	10	Transaction Set Identifier Code 214 - Transportation Carrier Shipment Status Message	M	ID	3/3	1	010	M	1				ST01	143	M	ID	3/3
1-02	10	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set. The application and structure of the control number must be agreed upon between trading partners. (For example, some applications use all nine digits where the first five might indicate a group control number and the last four represent the sequence of the transaction set within the functional group. Also, the entire nine digit field may simply represent the sequence of the transaction set generated by a trading partner.)	M	AN	4/9	1	010	M	1				ST02	329	M	AN	4/9
2	10	**B10 SEGMENT - Carrier Shipment ID**	M			1	020	M	1				At least one of B1001 or B1006 is required. Only one of B1001 or B1005 may be present. If either B1005 or B1006 is present, then the other is required.				
2-01	10	Carrier Shipment ID ELEMENT CONDITION: Use of either B1001 or B1006 is MANDATORY. Only the carrier's PRO number will appear in B1001. Use B1006 if shipment is identified by air or rail waybill number.	C	AN	1/30	1	020	M	1				B1001	127	C	AN	1/30
													B1001 is the carrier assigned reference number. B1001 is the carrier's PRO (invoice number) that identifies the shipment.				
2-02	10	Government Shipment ID In this data element, enter the Shipment ID generated by the shipper. This must be either a bill of lading number or a TCN (Transportation Control Number). If you enter a TCN here, you must create a separate 214 for each TCN included on a single bill of lading or shipment. If separate TCNs included on a single bill of lading are being delivered to different locations, you must use the TCN (not the bill of lading number) in this data element	M	AN	1/30	1	020	M	1				B1002	145	O	AN	1/30
2-03	10	Standard Carrier Alpha Code 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	020	M	1				B1003 B1003 is required when used in Transaction Set 214.	140	M	ID	2/4
2-05	10	Reference Identification Qualifier ELEMENT CONDITION: Required if B1006 is used. AW - Air Waybill Number WY - Waybill Number	C	ID	2/2	1	020	M	1				B1005	128	C	ID	2/3
2-06	10	Reference Identification ELEMENT CONDITION: Use of either B1001 or B1006 is MANDATORY. Only the carrier's air or rail waybill number will appear in B1006. Use B1001 if shipment is identified by a carrier's PRO number.	C	AN	1/30	1	020	M	1				B1006 B1006 is the carrier assigned bar code identification or another carrier assigned shipment identification, such as a manifest number.	127	C	AN	1/30

12/07/2023

		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	10	**L11 SEGMENT - Additional Shipment Identifiers** SEGMENT CONDITION: Use this segment to report identifying numbers in addition to the shipment ID.	C		1	030	O	300				At least one of L1101 or L1103 is required. If either L1101 or L1102 is present, then the other is required.				
3-01	10	Additional Shipment Identifier	M	AN	1/30	1	030	O	300			L1101	127	C	AN	1/30
3-02	10	Additional Shipment Identifier Qualifier CHANGE NOTE: Code value '18' added and code value 'BL' removed per DM 784. 18 - Plan Number *Use '18' to denote Transportation Tracking Number.* 1O - Consolidation Shipment Number *Use '1O' to denote Pallet ID* *CHANGE NOTE: Code added per DM 1029.* BM - Bill of Lading Number *Use 'BM' to denote Commercial Bill of Lading as well as Government Bill of Lading.* C7 - Contract Line Item Number CT - Contract Number PO - Purchase Order Number RQ - Purchase Requisition Number TG - Transportation Control Number (TCN)	M	ID	2/2	1	030	O	300				L1102	128	C	ID	2/3
4		**L11 SEGMENT - TMS Forwarding Order (FWO) Number** Use this segment to indicate TMS Forwarding Order (FWO) Number	C		1	030	O	300				At least one of L1101 or L1103 is required. If either L1101 or L1102 is present, then the other is required.				
4-01		TMS Forwarding Order (FWO) Number	M	AN	1/30	1	030	O	300			L1101	127	C	AN	1/30
4-02		TMS Forwarding Order (FWO) Number Qualifier TR - Government Transportation Request *Use 'TR' to denote TMS Forwarding Order (FWO) Number.*	M	ID	2/3	1	030	O	300				L1102	128	C	ID	2/3
4-03		TMS Forwarding Order (FWO) Number Description	C	AN	1/80	1	030	O	300				L1103	352	C	AN	1/80
5		**L11 SEGMENT - TMS Freight Unit Number** Use this segment to indicate TMS Freight Unit Number	C		1	030	O	300				At least one of L1101 or L1103 is required. If either L1101 or L1102 is present, then the other is required.				

		DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes		DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #		Attributes		
5-01		TMS Freight Unit Number	M	AN	1/30		1	030	O	300				L1101	127	C	AN	1/30	
5-02		TMS Freight Unit Number Qualifier 97 - Package Number *Use '97' to denote TMS Freight Unit Number.*	M	ID	2/3		1	030	O	300				L1102	128	C	ID	2/3	
5-03		TMS Freight Unit Number Description	C	AN	1/80		1	030	O	300				L1103	352	C	AN	1/80	
6		**L11 SEGMENT - TMS Freight Order/Freight Booking Number** Use this segment to indicate TMS Freight Order/Freight Booking Number	C				1	030	O	300				At least one of L1101 or L1103 is required. If either L1101 or L1102 is present, then the other is required.					
6-01		TMS Freight Order/Freight Booking Number	M	AN	1/30		1	030	O	300				L1101	127	C	AN	1/30	
6-02		TMS Freight Order/Freight Booking Number Qualifier FR - Freight Bill Number *Use 'FR' to denote TMS Freight Order/Freight Booking Number.*	M	ID	2/3		1	030	O	300				L1102	128	C	ID	2/3	
6-03		TMS Freight Order/Freight Booking Number	C	AN	1/80		1	030	O	300				L1103	352	C	AN	1/80	
7		**L11 SEGMENT - TMS Billing Reference Number** Use this segment to indicate TMS (AAFES) Billing Reference Number	C				1	030	O	300				At least one of L1101 or L1103 is required. If either L1101 or L1102 is present, then the other is required.					
7-01		TMS Billing Reference Number	M	AN	1/30		1	030	O	300				L1101	127	C	AN	1/30	
7-02		TMS Billing Reference Number Qualifier 6R - Provider Control Number *Use '6R' to denote TMS Billing Reference Number Qualifier.*	M	ID	2/3		1	030	O	300				L1102	128	C	ID	2/3	
7-03		TMS Billing Reference Number Description Usage Note: Pass the phrase 'TMS Billing Reference Number' when L1102 contains '6R'.	C	AN	1/80		1	030	O	300				L1103	352	C	AN	1/80	
8	10	**L11 SEGMENT - Commodity Code** SEGMENT CONDITION: Use to report shipment commodity code if available. If multiple commodity codes apply, use this segment to identify one commodity code (prevailing or lead commodity for shipment, pallet, or container).	C				1	030	O	300				At least one of L1101 or L1103 is required. If either L1101 or L1102 is present, then the other is required.					

		DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes		DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #		Attributes				
8-01	10	Commodity Identification	M	AN	1/30	1	030	O	300				L1101	127	C	AN	1/30			
8-02	10	Commodity Identification Qualifier CH - Customer Catalog Number PG - Product Group STR - Standard Transportation Commodity Code (STCC) Replacement Code	M	ID	2/3	1	030	O	300				L1102	128	C	ID	2/3			
8-03	10	Description	C	AN	1/80	1	030	O	300				L1103	352	C	AN	1/80			
9	10	**K1 SEGMENT - Additional Carrier Information** SEGMENT CONDITION: Use when Additional Carrier Information applies.	C			1	040	O	10											
9-01	10	Free-Form Message	M	AN	1/30	1	040	O	10				K101	61	M	AN	1/30			
9-02	10	Free-Form Message	C	AN	1/30	1	040	O	10				K102	61	O	AN	1/30			
10	70	**N1 SEGMENT - Consignee Identification** Carriers are encouraged to provide the consignee clear text name (N102), consignee identification code (N103 + N104), consignee address information in the N3 segment, and consignee geographic location information in the N4 segment. If the carrier is unable to provide the consignee identification code, it must provide the clear text name (N102), address (N3), and geographic location information (N4).	M			1	050	O	1	10	1	0100	At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.							
10-01	70	Consignee Identifier Code CN - Consignee	M	ID	2/2	1	050	O	1	10	1	0100	N101	98	M	ID	2/3			
10-02	70	Consignee Name ELEMENT CONDITION: Carriers are encouraged to provide this data if it is available. It must be provided if an Identification Code is not provided at N103 and N104.	C	AN	1/60	1	050	O	1	10	1	0100	N102	93	C	AN	1/60			
10-03	70	Identification Code Qualifier ELEMENT CONDITION: Required if N104 is used. 1 - D-U-N-S Number, Dun & Bradstreet 10 - Department of Defense Activity Address Code (DODAAC) 27 - Government Bill Of Lading Office Code (GBLOC) 33 - Commercial and Government Entity (CAGE) 9 - D-U-N-S+4, D-U-N-S Number with Four Character Suffix	C	ID	1/2	1	050	O	1	10	1	0100	N103	66	C	ID	1/2			

		DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes		DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #			Attributes		
10-04	70	Consignee DODAAC/GBLOC/CAGE/D-U-N-S/D-U-N-S+4	C	AN	4/13	1	050	O	1	10	1	0100	N104	67	C	AN	2/80		
		ELEMENT CONDITION: Carriers are encouraged to provide this data if it is available. It must be provided if identification is not provided at N102.											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.						
11	70	**N2 SEGMENT - Consignee Additional Name**	C			1	060	O	1	10	1	0100							
		SEGMENT CONDITION: Use when Consignee Additional Name applies.																	
11-01	70	Consignee Additional Name	M	AN	1/60	1	060	O	1	10	1	0100	N201	93	M	AN	1/60		
12	70	**N3 SEGMENT - Consignee Address Information**	C			1	070	O	2	10	1	0100							
		SEGMENT CONDITION: Use when Consignee Address Information Applies.																	
12-01	70	Consignee Address Information	M	AN	1/55	1	070	O	2	10	1	0100	N301	166	M	AN	1/55		
13	70	**N4 SEGMENT - Consignee Geographic Location Information**	M			1	080	O	1	10	1	0100							
		If shipment is to a location other than the U.S. or Canada, carrier must provide the Consignee City Name (N401) and Consignee Country Code (N404). If shipment is to a location within the U.S. or to Canada, carrier must provide either the Consignee City Name (N401) and Consignee City/Province Code (N403) or the Consignee SPLC Qualifier (N405) and Consignee SPLC (N406).												If N406 is present, then N405 is required.						
13-01	70	Consignee City Name	C	AN	2/30	1	080	O	1	10	1	0100	N401	19	O	AN	2/30		
		ELEMENT CONDITION: MANDATORY for all shipments to locations other than the U.S. and Canada. It is also MANDATORY for shipments within the U.S. and to Canada if SPLC is not provided in N405 and N406.												A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.						
13-02	70	Consignee State or Province Code	C	ID	2/2	1	080	O	1	10	1	0100	N402	156	O	ID	2/2		
		ELEMENT CONDITION: MANDATORY for shipments to a U.S. or Canadian Province consignee if SPLC is not provided in N405 and N406. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center												N402 is required only if city name (N401) is in the U.S. or Canada.						
13-03	70	Consignee Zip/Postal Code	C	ID	3/15	1	080	O	1	10	1	0100	N403	116	O	ID	3/15		
		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																		

		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			
13-04	70	Consignee Country Code	C	ID	2/3		1	080	O	1	10	1	0100	N404	26	O	ID	2/3		
		ELEMENT CONDITION: MANDATORY for all shipments to a location outside the U.S. or Canada. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.																			
13-05	70	Consignee SPLC Qualifier	C	ID	2/2		1	080	O	1	10	1	0100	N405	309	C	ID	1/2		
		ELEMENT CONDITION: Required if N406 is used. SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) SL - U.S. SPLC																			
13-06	70	Consignee SPLC	C	AN	9/9		1	080	O	1	10	1	0100	N406	310	O	AN	1/30		
		ELEMENT CONDITION: Carriers are encouraged to provide this data on shipments to locations within the U.S. and Canada.																			
14	71	**N1 SEGMENT - Shipper Identifier**	M				1	050	O	1	10	1	0100							
		Carriers are encouraged to provide the shipper clear text name (N102), shipper identification code (N103 + N104), shipper address information in the N3 segment, and shipper geographic location information in the N4 segment. If the carrier is unable to provide the shipper identification code, it must provide the clear text name (N102), address (N3), and geographic location information (N4).						At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.												
14-01	71	Shipper Identifier Code	M	ID	2/2		1	050	O	1	10	1	0100	N101	98	M	ID	2/3		
		SH - Shipper																		
14-02	71	Shipper Name	C	AN	1/60		1	050	O	1	10	1	0100	N102	93	C	AN	1/60		
		ELEMENT CONDITION: Carriers are encouraged to provide this data if it is available. It must be provided if an Identification Code is not provided at N103 and N104.																			
14-03	71	Identification Code Qualifier	C	ID	1/2		1	050	O	1	10	1	0100	N103	66	C	ID	1/2		
		ELEMENT CONDITION: Required if N104 is used. 1 - D-U-N-S Number, Dun & Bradstreet 10 - Department of Defense Activity Address Code (DODAAC) 27 - Government Bill Of Lading Office Code (GBLOC) 33 - Commercial and Government Entity (CAGE) 9 - D-U-N-S+4, D-U-N-S Number with Four Character Suffix																			

12/07/2023

		DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes		DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #		Attributes		
14-04	71	Shipper DODAAC/GBLOC/CAGE/D-U-N-S/D-U-N-S+4	C	AN	4/13	1	050	O	1	10	1	0100	N104	67	C	AN	2/80	
		ELEMENT CONDITION: Carriers are encouraged to provide this data if it is available. It must be provided if identification is not provided at N102.											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.					
15	71	**N2 SEGMENT - Shipper Additional Name**	C			1	060	O	1	10	1	0100						
		SEGMENT CONDITION: Use when Shipper Additional Name applies.																
15-01	71	Shipper Additional Name	M	AN	1/60	1	060	O	1	10	1	0100	N201	93	M	AN	1/60	
16	71	**N3 SEGMENT - Shipper Address Information**	C			1	070	O	2	10	1	0100						
		SEGMENT CONDITION: Use when Shipper Address Information applies.																
16-01	71	Shipper Address Information	M	AN	1/55	1	070	O	2	10	1	0100	N301	166	M	AN	1/55	
17	71	**N4 SEGMENT - Shipper Geographic Location Information**	M			1	080	O	1	10	1	0100						
													If N406 is present, then N405 is required.					
17-01	71	Shipper City Name	C	AN	2/30	1	080	O	1	10	1	0100	N401	19	O	AN	2/30	
		ELEMENT CONDITION: MANDATORY for all shipments that originate outside the U.S. and Canada. It is also MANDATORY for shipments that originate within the U.S. and Canada if SPLC is not provided in N405 and N406.												A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.					
17-02	71	Shipper State or Province Code	C	ID	2/2	1	080	O	1	10	1	0100	N402	156	O	ID	2/2	
		ELEMENT CONDITION: MANDATORY for all shipments that originate within the U.S. or Canada if SPLC is not provided in N405 and N406. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center												N402 is required only if city name (N401) is in the U.S. or Canada.					
17-03	71	Shipper Zip/Postal Code	C	ID	3/15	1	080	O	1	10	1	0100	N403	116	O	ID	3/15	
		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																	
17-04	71	Shipper Country Code	C	ID	2/3	1	080	O	1	10	1	0100	N404	26	O	ID	2/3	
		ELEMENT CONDITION: MANDATORY for all shipments that originate at a location outside the U.S. or Canada. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.																	

		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	
17-05	71	Shipper SPLC Qualifier	C	ID	2/2		1	080	O	1	10	1	0100	N405	309	C	ID	1/2
		ELEMENT CONDITION: Required if N406 is used.																
		SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)																
		SL - U.S. SPLC																
17-06	71	Shipper SPLC	C	AN	9/9		1	080	O	1	10	1	0100	N406	310	O	AN	1/30
		ELEMENT CONDITION: Carriers are encouraged to provide this data on shipments from locations within the U.S. and Canada.																
18	71	**L11 SEGMENT - Internal Customer Number**	C				1	110	O	10	10	1	0100					
		SEGMENT CONDITION: Use this segment to report carrier's internal customer account number.					At least one of L1101 or L1103 is required. / If either L1101 or L1102 is present, then the other is required.												
18-01	71	Internal Customer Number	M	AN	1/30		1	110	O	10	10	1	0100	L1101	127	C	AN	1/30
18-02	71	Internal Customer Number Qualifier	M	ID	2/2		1	110	O	10	10	1	0100	L1102	128	C	ID	2/3
		IT - Internal Customer Number																
19	71	**N1 SEGMENT - Party Who Signed Delivery Receipt**	C				1	050	O	1	10	1	0100					
		SEGMENT CONDITION: Use when Party Who Signed Delivery Receipt applies.					At least one of N102 or N103 is required. / If either N103 or N104 is present, then the other is required.												
19-01	71	Party Who Signed Delivery Receipt Code	M	ID	2/2		1	050	O	1	10	1	0100	N101	98	M	ID	2/3
		N5 - Party Who Signed the Delivery Receipt																
19-02	71	Party Who Signed Delivery Receipt	M	AN	1/60		1	050	O	1	10	1	0100	N102	93	C	AN	1/60
		Required to satisfy syntax.																
20	10	**MS3 SEGMENT - LTL Interline Information**	C				1	120	O	12								
		SEGMENT CONDITION: This segment is required if the LTL carrier can provide the interline information. The carrier currently reporting status will provide the entire routing sequence up to and including the time at which it reports status. For example, it needs to list all the carriers that handled the shipment along the route.					If MS305 is present, then MS303 is required.												
20-01	10	Standard Carrier Alpha Code	M	ID	2/4		1	120	O	12				MS301	140	M	ID	2/4
		SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.					MS301 is the Standard Carrier Alpha Code (SCAC) of the interline carrier.												

12/07/2023

		DoD INFORMATION						X12 SEGMENT INFORMATION					X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes		DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #		Attributes		
20-02	10	Routing Sequence Code	M	ID	1/1	1	120	O	12				MS302	133	M	ID	1/2	
		1 - 1st Carrier after Origin Carrier																
		2 - 2nd Carrier after Origin Carrier																
		3 - 3rd Carrier after Origin Carrier																
		B - Origin/Delivery Carrier (Any Mode)																
		O - Origin Carrier (Air, Motor, or Ocean)																
20-03	10	City Name	C	AN	2/30	1	120	O	12				MS303	19	C	AN	2/30	
		ELEMENT CONDITION: Provide city name or rail head of interline transfer point where identified carrier receives shipment, if available.											MS303 is the city where the interline was performed.						
20-04	10	Transportation Method/Type Code	C	ID	1/2	1	120	O	12				MS304	91	O	ID	1/2	
		Refer to X12 Standards, Version 4010, DE 91 for applicable code values.																
		See Section 6 for list of data values.																
20-05	10	State or Province Code	C	ID	2/2	1	120	O	12				MS305	156	O	ID	2/2	
		ELEMENT CONDITION: Provide this data if available.																
		SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center																
21	100	**LX SEGMENT - Shipment Status Event Loop**	M			1	130	O	1	999999	1	0200						
		At least one occurrence of the LX loop needs to appear. Repeat the LX loop for each shipment status event. Upon reporting pickup status, the carrier is encouraged to report estimated delivery date. This calls for the carrier to generate two LX loops, one for each status event.																
		For Defense Transportation Coordination Initiative (DTCI) shipments, when reporting a shipment delayed (SD) status, provide an additional LX loop containing a revised estimated delivery date in the AT7 segment.																
21-01	100	Assigned Number	M	N0	1/6	1	130	O	1	999999	1	0200	LX01	554	M	N0	1/6	
		This is a sequential number starting with one and incrementing by one for every occurrence of the LX segment.																
22	110	**AT7 SEGMENT - Shipment Status**	M			1	140	O	1	10	2	0205						
		Use one occurrence of the AT7 loop per LX loop.					Only one of AT701 or AT703 may be present. If either AT701 or AT702 is present, then the other is required. If either AT703 or AT704 is present, then the other is required. If AT706 is present, then AT705 is required. If AT707 is present, then AT706 is required.												

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name / Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #		Attributes
22-01	110	Shipment Status Code	M	ID 2/2	1	140	O	1	10	2	0205	AT701	1650	C	ID 2/2

22-01 row notes:

EXPLANATION OF CODE USAGE: For shipments that don't experience any other status event identified in this code list during a 24 hour period, carriers are requested, if able, to report En Route to Delivery Location status (code value 'X6'). When using shipment status code value 'X6', report the location of the shipment using the MS1 segment by either the city name/state/country code or longitude/latitude codes.

For Defense Transportation Coordination Initiative (DCTI) shipments, in which the coordinator has reported a shipment delay, use code value 'X2' (Estimated Date and/or Time of Arrival at Consignee's Location) when including an additional AT7 segment with a revised estimated delivery date.

See Section 6 for list of data values.

X12 Element Information notes:

If AT701 is present, AT705 is the date the status occurred. If AT703 is present, AT705 is a date related to an appointment.
If AT701 is present, AT706 is the time of the status. If AT703 is present, AT706 is the time of the appointment.

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	
22-02	110	Shipment Status or Appointment Reason Code	M	ID 2/2	1	140	O	1	10	2	0205	AT702	1651	C	ID	2/2

AD - Customer Requested Future Delivery

Use 'AD' to denote Customer Wouldn't Accept Delivery until after Mandatory Delivery Date.

AM - Shipper Related

Use 'AM' to denote Installation Closed When Pickup Was Attempted During Normal Business Hours.

AN - Holiday - Closed

Use 'AN' to denote Holiday - Installation Closed.

AO - Weather or Natural Disaster Related

Use 'AO' to denote Weather Conditions Prevented Pickup or Delivery.

AU - Civil Event Related Delay

Use 'AU' to denote Local Emergency/Act of God.

B1 - Consignee Closed

Use 'B1' to denote Installation Closed When Delivery Was Attempted During Normal Business Hours.

BB - Held per Shipper

Use 'BB' to denote Vendor not Ready for Pickup. When used, AT701 must equal 'SD - Shipment Delayed'.

BC - Missing documents

BQ - Shipment Overweight

Use 'BQ' to denote Shipment Overweight/Over-dimensional.

C2 - Credit Hold

Use 'C2' to denote Bills Provided to Carrier without Freight.

HB - Held Pending Appointment

Use 'HB' to denote Appointment Required at Delivery Site.

NS - Normal Status

P1 - Processing Delay

Use 'P1' to denote Appointment Required at Pickup Site.

P3 - Production Falldown

Use 'P3' to denote Shipment lost or damaged to the point of being undeliverable.

S1 - Delivery shortage

12/07/2023

		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		
22-05	110	Date of Status Event	M	DT	8/8	1	140	O	1	10	2	0205	AT705	373	C	DT	8/8		
		This is the date the status event occurred.																	
22-06	110	Time of Status Event	C	TM	4/8	1	140	O	1	10	2	0205	AT706	337	C	TM	4/8		
		ELEMENT CONDITION: Time status is MANDATORY for actual events and recommended for all other. This is the time status event occurred. This is local unless identified with a specific time zone in AT707.																	
22-07	110	Time Code	C	ID	2/2	1	140	O	1	10	2	0205	AT707	623	O	ID	2/2		
		ELEMENT CONDITION: Required if AT706 is used. The carrier will report code LT (Local Time) unless it is capable of reporting the time code of the location where the event occurred. The time code should be Greenwich Mean Time (GMT) or the time zone where the event occurred. If the zone or Universal Time Coordinate (UTC) also referred to as Greenwich Mean Time (GMT) are unavailable, carrier should use local time code. SOURCE: ISO 8601 available from American National Standards Institute CD - Central Daylight Time CS - Central Standard Time CT - Central Time ED - Eastern Daylight Time ES - Eastern Standard Time ET - Eastern Time GM - Greenwich Mean Time LT - Local Time MD - Mountain Daylight Time MS - Mountain Standard Time MT - Mountain Time PD - Pacific Daylight Time PS - Pacific Standard Time PT - Pacific Time											If AT707 is not present then AT706 represents local time of the status.						
23	110	**MS1 SEGMENT - Status Location**	C			1	143	O	1	10	2	0205							
		SEGMENT CONDITION: This segment is required for all status events (AT701) except for code values 'A9', 'AG','AI', and 'OO'. When using periodic reporting procedures, indicate location using MS104, 05, 06, and 07. Otherwise, report location using MS101, 02, and 03. CHANGE NOTE: Segment Condition changed to include code value 'OO' per DM 751.											If MS101 is present, then at least one of MS102 or MS103 is required. Only one of MS101 or MS104 may be present. If MS102 is present, then MS101 is required. If MS103 is present, then MS101 is required. If either MS104 or MS105 is present, then the other is required. If MS106 is present, then MS104 is required. If MS107 is present, then MS105 is required.						

		DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes		DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #			Attributes			
23-01	110	City Name	C	AN	2/30	1	143	O	1	10	2	0205	MS101	19	C	AN	2/30			
		ELEMENT CONDITION: For status events generated within CONUS and Canada, MS101 and MS102 are required. For those outside of CONUS, MS101 and MS103 are required. Provide MS102, if available.																		
23-02	110	State or Province Code	C	ID	2/2	1	143	O	1	10	2	0205	MS102	156	C	ID	2/2			
		ELEMENT CONDITION: For status events generated within CONUS and Canada, MS101 and MS102 are required. For those outside of CONUS, MS101 and MS103 are required. Provide MS102, if available. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center																		
23-03	110	Country Code	C	ID	2/3	1	143	O	1	10	2	0205	MS103	26	C	ID	2/3			
		ELEMENT CONDITION: For status events generated within CONUS and Canada, MS101 and MS102 are required. For those outside of CONUS, MS101 and MS103 are required. Provide MS102, if available. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.																		
23-04	110	Longitude Coordinates	C	ID	7/7	1	143	O	1	10	2	0205	MS104	1654	C	ID	7/7			
		ELEMENT CONDITION: If the carrier has implemented this technology, it is encouraged to report this data for 24 hour periodic reporting. Qualify the longitude coordinates in the MS106. SOURCE: ISO 6709 available from ANSI										MS104 is the longitude expressed in Degrees, Minutes, and Seconds.									
23-05	110	Latitude Coordinates	C	ID	7/7	1	143	O	1	10	2	0205	MS105	1655	C	ID	7/7			
		ELEMENT CONDITION: If the carrier has implemented this technology, it is encouraged to report this data for 24 hour periodic reporting. Qualify the latitude coordinates in the MS107. SOURCE: ISO 6709 available from ANSI										MS105 is the latitude expressed in Degrees, Minutes, and Seconds.									
23-06	110	Direction Identifier Code E - East W - West	C	ID	1/1	1	143	O	1	10	2	0205	MS106	1280	O	ID	1/1			
												MS106 may only be 'E' or 'W'.									
23-07	110	Direction Identifier Code N - North S - South	C	ID	1/1	1	143	O	1	10	2	0205	MS107	1280	O	ID	1/1			
												MS107 may only be 'N' or 'S'.									

		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	
24	110	**MS2 SEGMENT - Conveying Equipment Identification** C		1	146	O	1	10	2	0205					
		SEGMENT CONDITION: Provide this data when conveying equipment identifiers are available.		If either MS201 or MS202 is present, then the other is required. If MS204 is present, then MS202 is required.											
24-01	110	Standard Carrier Alpha Code	M ID 2/4	1	146	O	1	10	2	0205	MS201	140	C	ID	2/4
		SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.													
24-02	110	Equipment Number	M AN 1/10	1	146	O	1	10	2	0205	MS202	207	C	AN	1/10
24-03	110	Equipment Description Code	M ID 2/2	1	146	O	1	10	2	0205	MS203	40	O	ID	2/2
		CHANGE NOTE: Code value 'CC' removed from list per DM 730. ALL code values assigned to DE 40 are available for use. See Section 6 for list of data values.		MS203 identifies the type for the equipment specified in MS202.											
25	110	**L11 SEGMENT - Status Location Code** C		1	150	O	10	999999	1	0200					
		SEGMENT CONDITION: Carriers are encouraged to provide either status location, SPLC, Aerial Port, or postal code data where available. This segment may occur once per shipment status event (LX Loop).		At least one of L1101 or L1103 is required. If either L1101 or L1102 is present, then the other is required.											
25-01	110	SPLC or Postal Code	M AN 3/15	1	150	O	10	999999	1	0200	L1101	127	C	AN	1/30
		SPLC, Aerial Port, or Postal Code (DG110)													
25-02	110	Status Location Qualifier	M ID 2/3	1	150	O	10	999999	1	0200	L1102	128	C	ID	2/3
		4L - Location-specific Services Reference Number *Use '4L' to denote International Civil Aviation Organization (ICAO) code of the location reported in the MS101 for events occurring at an airport.* LU - Location Number *Use 'LU' to denote Postal ZIP Code.* SPL - Standard Point Location Code (SPLC) ZZ - Mutually Defined *Use 'ZZ' to denote International Air Transport Association (IATA) code of the location reported in the MS101 for events occurring at an airport.*													
26	110	**L11 SEGMENT - Stop-Off Sequence Number** C		1	150	O	10	999999	1	0200					
		SEGMENT CONDITION: This segment is required when providing stop-off shipment status. This segment may occur once per shipment status event (LX Loop).		At least one of L1101 or L1103 is required. If either L1101 or L1102 is present, then the other is required.											
26-01	110	Stop-Off Sequence Number	M AN 1/30	1	150	O	10	999999	1	0200	L1101	127	C	AN	1/30
		Enter stop-off sequence number.													

12/07/2023

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		
26-02	110	Stop-Off Sequence Number Qualifier QN - Stop Sequence Number	M	ID	2/2	1	150	O	10	999999	1	0200	L1102	128	C	ID	2/3
26-03	110	SPLC	C	AN	9/9	1	150	O	10	999999	1	0200	L1103	352	C	AN	1/80
27	100	**Q7 SEGMENT - Lading Information** SEGMENT CONDITION: Carriers are encouraged to provide this data if available. This segment may occur once per shipment status event (LX Loop).	C			1	160	O	10	999999	1	0200					
		If Q702 is present, then Q703 is required.															
27-01	100	Lading Exception Code A - All Short D - Damaged E - Entire Shipment Refused O - Overage P - Partial Shipment W - Wrong Product	M	ID	1/1	1	160	O	10	999999	1	0200	Q701	33	M	ID	1/1
27-02	100	Packaging Form Code Refer to X12 Standards, Version 4010, DE 211 for applicable code values ELEMENT CONDITION: Carriers are encouraged to provide this data if available. See Section 6 for list of data values.	C	ID	3/3	1	160	O	10	999999	1	0200	Q702	211	O	ID	3/3
27-03	100	Lading Quantity	C	N0	1/7	1	160	O	10	999999	1	0200	Q703	80	C	N0	1/7
28	100	**K1 SEGMENT - Additional Carrier Information** SEGMENT CONDITION: Carriers are encouraged to report information for comment or special instruction.	C			1	170	O	10	999999	1	0200					
28-01	100	Free-Form Message	M	AN	1/30	1	170	O	10	999999	1	0200	K101	61	M	AN	1/30
28-02	100	Free-Form Message	C	AN	1/30	1	170	O	10	999999	1	0200	K102	61	O	AN	1/30
29	100	**AT5 SEGMENT - Special Handling** SEGMENT CONDITION: Carriers are encouraged to report this information if available. This segment may occur once per shipment status event (LX Loop).	C			1	180	O	10	999999	1	0200					
		Only one of AT501 or AT503 may be present. *Only one of AT502 or AT503 may be present.*															

12/07/2023

		DoD INFORMATION					X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes		DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #		Attributes		
29-01	100	Special Handling Code	C	ID	2/3	1	180	O	10	999999	1	0200	AT501	152	C	ID	2/3
		Refer to X12 Standards, Version 4010, DE 152 for applicable code values															
		See Section 6 for list of data values.															
29-02	100	Special Services Code	C	ID	2/10	1	180	O	10	999999	1	0200	AT502	560	C	ID	2/10
		Refer to X12 Standards, Version 4010, DE 560 for applicable code values															
		See Section 6 for list of data values.															
29-03	100	Special Handling Description	C	AN	2/30	1	180	O	10	999999	1	0200	AT503	153	C	AN	2/30
30	100	**AT8 SEGMENT - Weight Information**	C			1	200	O	10	999999	1	0200					
		SEGMENT CONDITION: Carriers are encouraged to provide this data if available. This segment may occur once per shipment status event (LX Loop).											If AT801, AT802, or AT803 is present, then all 3 are required. If either AT806 or AT807 is present, then the other is required.					
30-01	100	Weight Qualifier	C	ID	1/2	1	200	O	10	999999	1	0200	AT801	187	C	ID	1/2
		ELEMENT CONDITION: Required if AT802 and AT803 are used.															
		A3 - Shippers Weight															
		B - Billed Weight															
		FR - Freight Weight															
		G - Gross Weight															
		N - Actual Net Weight															
		PA - Pallet Weight															
		SK - Skid Weight															
		T - Tare Weight															
		WX - [Migration Code] Net Explosive Weight															
30-02	100	Weight Unit Code	C	ID	1/1	1	200	O	10	999999	1	0200	AT802	188	C	ID	1/1
		ELEMENT CONDITION: Required if AT801 and AT802 are used.															
		K - Kilograms															
		L - Pounds															
		S - Short Ton															
30-03	100	Weight	C	R	1/10	1	200	O	10	999999	1	0200	AT803	81	C	R	1/10
		ELEMENT CONDITION: Required if AT801 and AT802 are used.															

		DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name / Notes and Codes		DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #		Attributes		
30-04	100	Lading Quantity	C	N0	1/7		1	200	O	10	999999	1	0200	AT804	80	O	N0	1/7	
		AT804 is the quantity of handling units that are not unitized (for example a carton). When added to the quantity in AT805, it is the total quantity of handling units in the shipment.												AT804 is the quantity of handling units that are not unitized (for example a carton). When added to the quantity in AT805, it is the total quantity of handling units in the shipment.					
30-05	100	Lading Quantity	C	N0	1/7		1	200	O	10	999999	1	0200	AT805	80	O	N0	1/7	
		AT805 is the quantity of handling units that are unitized (for example on a pallet or slip sheet). When added to the quantity in AT804 it is the total quantity of handling units for the shipment.												AT805 is the quantity of handling units that are unitized (for example on a pallet or slip sheet). When added to the quantity in AT804 it is the total quantity of handling units for the shipment.					
30-06	100	Volume Unit Qualifier	C	ID	1/1		1	200	O	10	999999	1	0200	AT806	184	C	ID	1/1	
		ELEMENT CONDITION: Required if AT807 is used.																	
		B - Barge																	
		C - Cubic Centimeters																	
		D - Cord																	
		E - Cubic Feet																	
		F - 100 Board Feet																	
		G - Gallons																	
		H - Hundreds of Measurement Tons																	
		L - Load																	
		M - Cubic Decimeters																	
		N - Cubic Inches																	
		R - Car																	
		S - Measurement Ton																	
		T - Container																	
		U - Volumetric Unit																	
		V - Liter																	
		X - Cubic Meters																	
30-07	100	Volume	C	R	1/8		1	200	O	10	999999	1	0200	AT807	183	C	R	1/8	
		ELEMENT CONDITION: Required if AT806 is used.																	
31	900	**SE SEGMENT - Motor Carrier Shipment Status Trailer**	M				1	610	M	1									
														SE is the last segment of each transaction set.					

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			
			DoD INFORMATION			**X12 SEGMENT INFORMATION**							**X12 ELEMENT INFORMATION**					
31-01	900	Number of Included Segments	M	N0	1/10	1	610	M	1				SE01	96	M	N0	1/10	
		Total segments in this transaction set including the ST and SE segments.																
31-02	900	Transaction Set Control Number	M	AN	4/9	1	610	M	1				SE02	329	M	AN	4/9	
		This data element ends the transaction set and should match the number that appears in the ST02 that begins the transaction set.																

Section 5.0

IC ELEMENTS IN EDI FORMAT

Contents

This section contains seven examples of the 214 transaction set as used for the 214 Interchange Convention.

The first four examples illustrate the use of the 214 for the carriers to report shipment pickup, arrival and departure from a terminal or transshipment point, and the delivery to a delivery location (i.e. POE) or delivery to the consignee. The fifth example illustrates the preferred method of identifying the consignee and shipper by using only the DoDAAC in the N1 segment. The sixth example illustrates a shipment that does not experience a status event identified in the AT701 code list during a 24 hour period. The seventh example illustrates reporting an estimated arrival date/time at the delivery location when the carrier picks up the shipment.

Example 1: Carrier Shipment Pickup

Example 2: Carrier Arrived Terminal (Transshipment)

Example 3: Carrier Departed Terminal (Transshipment)

Example 4: Shipment Arrived Delivery (Consignee) Location

Example 5: Global Transportation Network Preferred Shipper and Consignee Identification

Example 6 - TL 24 Hour Periodic Reporting

Example 7 - Carrier Picks Up Shipment and Reports Estimated Arrival Time

How to Read the Examples

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

(Blank Page)

Example 1 – Carrier Shipment Pickup

ST~214~0001 n/l	**Transaction set header**
B10~1350227488~G6950395~RDWY n/l	**Carrier Shipment ID, Government**
	Shipment ID, SCAC
N1~CN~NAVAL AIR STATION JACKSONVILLE n/l	**Consignee Name**
N2~TRANSPORTATION OFFICER n/l	**Consignee Additional Name**
N3~BLDG 111 DOOR 24 n/l	**Consignee Additional Address**
N4~JACKSONVILLE~FL~322120000 n/l	**Consignee City Name, State, Postal**
	Code, Country
N1~SH~Defense Distribution Region West n/l	**Shipper, Name, Identification Code**
	Qualifier, DoDAAC
N2~SAN DIEGO n/l	**Shipper Additional Name**
N3~2680 WODEN ST BLDG 3304 n/l	**Shipper Additional Address**
N4~ SAN DIEGO~CA~92136~US n/l	**Shipper City Name, State, Postal**
	Code, Country
LX~001 n/l	**Starts the LX Loop**
AT7~AF~BG~~~19980219~1015~PD n/l	**Carrier Pick-Up Delivery**
MS1~SAN DIEGO~CA~US n/l	**Event Location**
MS2~RDWY~123456~TF n/l	**Trailer Number and type carrying**
	the shipment
Q7~O~BOX~1 n/l	**Lading Exception**
AT8~N~L~500~3~~E~15 n/l	**Shipment Weight and Volume**
SE~17~0001 n/l	**Transaction Set Trailer**

Example 2 – Carrier Arrived Terminal (Transshipment)

ST~214~0001 n/l	**Transaction set header**
B10~1350227488~G6950395~RDWY n/l	**Carrier Shipment ID, Government**
	Shipment ID, SCAC
N1~CN~NAVAL AIR STATION JACKSONVILLE n/l	**Consignee Name**
N2~TRANSPORTATION OFFICER n/l	**Consignee Additional Name**
N3~BLDG 111 DOOR 24 n/l	**Consignee Additional Address**
N4~JACKSONVILLE~FL~322120000 n/l	**Consignee City Name, State, Postal**
	Code, Country
N1~SH~Defense Distribution Region West n/l	**Shipper, Name, Identification Code**
	Qualifier, DoDAAC
N2~SAN DIEGO n/l	**Shipper Additional Name**
N3~2680 WODEN ST BLDG 3304 n/l	**Shipper Additional Address**

N4~ SAN DIEGO~CA~92136~US n/l	**Shipper City Name, State, Postal Code, Country**
LX~001 n/l	**Starts the LX Loop**
AT7~X4~BG~~~1998021~1600~CD n/l	**Carrier Pick-Up Delivery**
MS1~DALLAS~TX~US n/l	**Event Location**
MS2~RDWY~123456~TF n/l	**Trailer Number and type carrying the shipment**
Q7~O~BOX~1 n/l	**Lading Exception**
AT8~N~L~500~3~~E~15 n/l	**Shipment Weight and Volume**
SE~17~0001 n/l	**Transaction Set Trailer**

Example 3 – Carrier Departed Terminal (Transshipment)

ST~214~0001 n/l	**Transaction set header**
B10~1350227488~G6950395~RDWY n/l	**Carrier Shipment ID, Government Shipment ID, SCAC**
N1~CN~NAVAL AIR STATION JACKSONVILLE n/l	**Consignee Name**
N2~TRANSPORTATION OFFICER n/l	**Consignee Additional Name**
N3~BLDG 111 DOOR 24 n/l	**Consignee Additional Address**
N4~JACKSONVILLE~FL~322120000 n/l	**Consignee City Name, State, Postal Code, Country**
N1~SH~Defense Distribution Region West n/l	**Shipper Name**
N2~SAN DIEGO n/l	**Shipper Additional Name**
N3~2680 WODEN ST BLDG 3304 n/l	**Shipper Additional Address**
N4~ SAN DIEGO~CA~92136~US n/l	**Shipper City Name, State, Postal Code, Country**
LX~001 n/l	**Starts the LX Loop**
AT7~P1~BG~~~1998021~1900~CD n/l	**Carrier Pick-Up Delivery**
MS1~DALLAS~TX~US n/l	**Event Location**
MS2~RDWY~791234~TF n/l	**Trailer Number and type carrying the shipment**
Q7~O~BOX~1 n/l	**Lading Exception**
AT8~N~L~500~3~~E~15 n/l	**Shipment Weight and Volume**
SE~17~0001 n/l	**Transaction Set Trailer**

Example 4 - Shipment Arrived Destination (Consignee)

ST~214~0001 n/l	**Transaction set header**
B10~1350227488~G6950395~RDWY n/l	**Carrier Shipment ID, Government**
	Shipment ID, SCAC
N1~CN~NAVAL AIR STATION JACKSONVILLE n/l	**Consignee Name**
N2~TRANSPORTATION OFFICER n/l	**Consignee Additional Name**
N3~BLDG 111 DOOR 24 n/l	**Consignee Additional Address**
N4~JACKSONVILLE~FL~322120000 n/l	**Consignee City Name, State, Postal**
	Code, Country
N1~SH~Defense Distribution Region West n/l	**Shipper Name**
N2~SAN DIEGO n/l	**Shipper Additional Name**
N3~2680 WODEN ST BLDG 3304 n/l	**Shipper Additional Address**
N4~ SAN DIEGO~CA~92136~US n/l	**Shipper City Name, State, Postal**
	Code, Country
LX~001 n/l	**Starts the LX Loop**
AT7~X1~BG~~~1998023~1900~CD n/l	**Carrier Arrived at Delivery Location**
MS1~JACKSONVILLE~FL~US n/l	**Event Location**
MS2~RDWY~791234~TF n/l	**Trailer Number and type carrying**
	the shipment
Q7~O~BOX~1 n/l	**Lading Exception**
AT8~N~L~500~3~~E~15 n/l	**Shipment Weight and Volume**
SE~17~0001 n/l	**Transaction Set Trailer**

Example 5 - Preferred Shipper and Consignee Identification

ST~214~0001 n/l	**Transaction set header**
B10~1350227488~G6950395~RDWY n/l	**Carrier Shipment ID, Government**
	Shipment ID, SCAC
N1~CN~~10~V09047 n/l	**Consignee DoDAAC**
N1~SH~~10~SW3218 n/l	**Shipper DoDAAC**
LX~001 n/l	**Starts the LX Loop**
AT7~X1~BG~~~1998021~1900~CD n/l	**Carrier Arrived Transshipment**
	Location
MS1~DALLAS~TX~US n/l	**Event Location**
MS2~RDWY~791234~TF n/l	**Trailer Number and type carrying**
	the shipment
Q7~O~BOX~1 n/l	**Lading Exception**
AT8~N~L~500~3~~E~15 n/l	**Shipment Weight and Volume**

SE~11~0001 n/l   **Transaction Set Trailer**

Example 6 - TL 24 Hour Periodic Reporting

ST~214~0001 n/l   **Transaction Set Header**
B10~1350227488~G6950395~HJBT n/l   **Carrier Shipment ID, Government**
                                                          Shipment ID, SCAC

N1~CN~~10~V09047 n/l   **Consignee DoDAAC**
N1~SH~~10~ SW3218 n/l   **Shipper DoDAAC**
LX01~001 n/l   **Starts the LX Loop**
AT7~X6~BG~~~19980220~0825~PD n/l   **Carrier Enroute to Delivery Location**
MS1~LAS CRUCES~NM~US~~~~~n/l   **Event Location**
AT8~N~L~25000 n/l   **Shipment Weight**
SE~9~0001 n/l   **Transaction Set Trailer**

Example 7 - Carrier Picks Up Shipment and Reports Estimated Arrival Time

ST~214~0001 n/l   **Transaction set header**
B10~1350227488~G6950395~RDWY n/l   **Carrier Shipment ID, Government**
                                                          Shipment ID, SCAC

N1~CN~~10~V09047 n/l   **Consignee DoDAAC**
N1~SH~~10~SW3218 n/l   **Shipper DoDAAC**
LX~001 n/l   **Starts the LX Loop**
AT7~AF~BG~~~19980219~1015~PD n/l   **Carrier Pick-Up Delivery**
MS1~SAN DIEGO~CA~US n/l   **Event Location**
MS2~RDWY~123456~TF n/l   **Trailer Number and type carrying**
                                                          the shipment

LX~002 n/l   **Starts the LX Loop**
AT7~AG~BG~~~19980223~1600~ED n/l   **Estimated Arrival Time at**
                                                          Jacksonville FL

MS1~JACKSONVILLE~FL~US n/l   **Event Location**
Q7~O~BOX~1 n/l   **Lading Exception**
AT8~N~L~500~3~~E~15 n/l   **Shipment Weight and Volume**
SE~14~0001 n/l   **Transaction Set Trailer**

Section 6.0

APPLICATION CODE LISTS

20-04 -- Transportation Method/Type Code

Data Value - Definition
6 - Military Official Mail
7 - Mail
A - Air
AC - Air Charter
AE - Air Express
AF - Air Freight
AH - Air Taxi
AR - Armed Forces Courier Service (ARFCOS)
B - Barge
BP - Book Postal
BU - Bus
C - Consolidation
CE - Customer Pickup / Customer's Expense
D - Parcel Post
DA - Driveaway Service
DW - Driveaway, Truckaway, Towaway
E - Expedited Truck
ED - European or Pacific Distribution System
F - Flyaway
FA - Air Freight Forwarder
FL - Motor (Flatbed)
GG - Geographic Receiving/Shipping
GR - Geographic Receiving
GS - Geographic Shipping
H - Customer Pickup
HH - Household Goods Truck
I - Common Irregular Carrier
J - Motor
K - Backhaul
L - Contract Carrier
LA - Logair
LT - Less Than Trailer Load (LTL)
M - Motor (Common Carrier)
MB - Motor (Bulk Carrier)
MP - Motor (Package Carrier)
N - Private Vessel
O - Containerized Ocean
P - Private Carrier
PA - Pooled Air
PG - Pooled Piggyback
PL - Pipeline
PP - Pool to Pool
PR - Pooled Rail
PT - Pooled Truck
Q - Conventional Ocean
R - Rail
RC - Rail, Less than Carload
RR - Roadrailer
S - Ocean
SB - Shipper Agent
SC - Shipper Agent (Truck)
SD - Shipper Association
SE - Sea/Air
SR - Supplier Truck
SS - Steamship
ST - Stack Train
T - Best Way (Shippers Option)
TA - Towaway Service
TC - Cab (Taxi)
TT - Tank Truck
U - Private Parcel Service
VA - Motor (Van)
VE - Vessel, Ocean
VL - Vessel, Lake
W - Inland Waterway
WP - Water or Pipeline Intermodal Movement
X - Intermodal (Piggyback)
Y - Military Intratheater Airlift Service
Y1 - Ocean Conference Carrier
Y2 - Ocean Non-Conference Carrier
ZZ - Mutually defined

22-01 -- Shipment Status Code

Data Value - Definition
A3 - Shipment returned to shipper
A7 - Refused by Consignee
** *Use 'A7' to denote Shipment refused by consignee.*
A9 - Shipment Damaged
AF - Carrier Departed Pick-up Location with Shipment
AG - Estimated Delivery
AH - Attempted Delivery
AI - Shipment has been Reconsigned
AL - [Migration Code] Shipment Conveyance Loaded to Rail Car
AM - Loaded on Truck
AP - Delivery Not Completed
** *Use 'AP' to denote Lost or damaged shipment which will not be delivered or invoiced.*
AR - Rail Arrival at Destination Intermodal Ramp
BC - Storage in Transit
BO - [Migration Code] Shipment Conveyance Reported Bad Order
BR - [Migration Code] Shipment Conveyance Released from Bad Order
CA - Shipment Cancelled
CD - Carrier Departed Delivery Location
CP - Completed Loading at Pick-up Location
CT - [Migration Code] Customs Release
D1 - Completed Unloading at Delivery Location
J1 - Delivered to Connecting Line
K1 - Arrived at Customs
L1 - Loading
LC - [Migration Code] Shipment Container Loaded to Chassis
NB - [Migration Code] Shipment Conveyance Received without Paperwork
OA - Out-Gate
OO - Paperwork Received - Did not Receive Shipment or Equipment
** *Use 'OO' to denote Bid/Tender Award Received.*
P1 - Departed Terminal Location
R1 - Received from Prior Carrier
RH - [Migration Code] Shipment Conveyance Released from Hold
S1 - Trailer Spotted at Consignee's Location
SD - Shipment Delayed
UC - [Migration Code] Shipment Container Unloaded from Chassis
UR - [Migration Code] Shipment Conveyance Unloaded from Rail Car
X1 - Arrived at Delivery Location
X2 - Estimated Date and/or Time of Arrival at Consignee's Location
X3 - Arrived at Pick-up Location
X4 - Arrived at Terminal Location
X5 - Arrived at Delivery Location Loading Dock
X6 - En Route to Delivery Location
XB - Shipment Acknowledged
** *Use 'XB' to denote 3PL is in possession of Proof of Delivery (POD).*

24-03 -- Equipment Description Code

Data Value - Definition
20 - 20 ft. IL Container (Open Top)
2B - 20 ft. IL Container (Closed Top)
2D - Control Unit
2E - Helper Unit
2F - Roadrailer
2G - Cut-in Helper
40 - 40 ft. IL Container (Open Top)
4B - 40 ft. IL Container (Closed Top)
AC - Closed Container
AF - Air Freight (Break Bulk)
AL - Container, Aluminum
AP - Aircraft
AT - Closed Container (Controlled Temperature)
BC - Covered Barge
BE - Bilevel Railcar Fully Open
BF - Bilevel Railcar Fully Enclosed
BG - Bogie
BH - Bilevel Railcar Screened With Roof
BJ - Bilevel Railcar Screened, No Roof
BK - Container, Bulk
BO - Barge Open
BR - Barge
BX - Boxcar
CA - Caboose
CB - Chassis, Gooseneck
CD - Container with Bag Hangers
CG - Container, Tank (Gas)
CH - Chassis
CI - Container, Insulated
CJ - Container, Insulated/Ventilated
CK - Container, Heated/Insulated/Ventilated
CL - Container (Closed Top - Length Unspecified)
CM - Container, Open-Sided
CN - Container
CP - Coil Car Open
CQ - Container, Tank (Food Grade-Liquid)
CR - Coil-Car Covered
CS - Container-Low Side Open Top
CT - Container-High Side Open Top
CU - Container (Open Top - Length Unspecified)
CV - Closed Van
CW - Container, Tank (Chemicals)
CX - Container, Tank
CZ - Refrigerated Container
DD - Double-Drop Trailer
DF - Container with Flush Doors
DT - Drop Back Trailer
DX - Boxcar, Damage Free Equipped
ET - End of Train Device
FF - Frozen Food Trailer
FH - Flat Bed Trailer with Headboards
FN - Flat Bed Trailer with No Headboards
FP - Flatcar With Pedestal
FR - Flat Bed Trailer - Removable Sides
FS - Container with Floor Securing Rings
FT - Flat Bed Trailer
FX - Boxcar Cushion Under Frame OF
GS - Generator Set
HB - Container with Hangar Bars
HC - Hopper Car (Covered)
HO - Hopper Car (Open)
HP - Hopper Car (Covered; Pneumatic Discharge)
HT - Head of Train Device
HV - High Cube Van
HY - Hydrant-Cart
ID - Idler Car
IX - Boxcar (Insulated)
LO - Locomotive
LS - Half Height Flat Rack
LU - Load/unload Device on Equipment
NX - Boxcar (Interior Bulkheads)
OB - Ocean Vessel (Break Bulk)
OT - Open-top/flatbed trailer
OV - Open Top Van
PL - Container, Platform
PP - Power Pack
PT - Protected Trailer
PU - Pick-up Truck

24-03 -- Equipment Description Code (CONT)

Data Value - Definition
RA - Fixed-Rack, Flat-Bed Trailer
RC - Refrigerated (Reefer) Car
RD - Fixed-Rack, Double Drop Trailer
RE - Flat Car (End Bulkheads)
RF - Flat Car
RG - Gondola Covered
RI - Gondola Car (Covered - Interior Bulkheads)
RO - Gondola Car (Open)
RR - Rail Car
RS - Fixed-Rack, Single-Drop Trailer
RT - Controlled Temperature Trailer (Reefer)
SA - Saddle
SC - Service Car
SD - Single-Drop Trailer
SK - Stack Car
SL - Container, Steel
SR - STAK-RAK
SS - Container with Smooth Sides
ST - Removable Side Trailer
SV - Van - Special Inside Length, Width or Height Requirements
TA - Trailer, Heated/Insulated/Ventilated
TB - Trailer, Boat
TC - Trailer, Car
TF - Trailer, Dry Freight
TG - Trailer, Tank (Gas)
TH - Truck, Open Top High Side
TI - Trailer, Insulated
TJ - Trailer, Tank (Chemicals)
TK - Trailer, Tank (Food Grade-Liquid)
TL - Trailer (not otherwise specified)
TM - Trailer, Insulated/Ventilated
TN - Tank Car
TO - Truck, Open Top
TP - Trailer, Pneumatic
TQ - Trailer, Electric Heat
TR - Tractor
TT - Telescoping Trailer
TU - Truck, Open Top Low Side
TV - Truck, Van
TW - Trailer, Refrigerated
UA - Trilevel Railcar 20 Feet
UB - Trilevel Railcar Screened, Fully Enclosed
UC - Trilevel Railcar Screened, With Roof
UD - Trilevel Railcar Screened, No Roof
UE - Trilevel Railcar Screened, With Doors, No Roof
UL - Unit Load Device (ULD)
UP - Container, Upgraded
VA - Container, Vented
VE - Vessel, Ocean
VL - Vessel, Lake
VR - Vessel, Ocean, Rollon-Rolloff
VS - Vessel, Ocean, Lash
VT - Vessel, Ocean, Containership
WR - Container with Wavy or Ripple Sides
WY - Railroad Maintenance of Way Car

27-02 -- Packaging Form Code

Data Value - Definition
AMM - Ammo Pack
BAG - Bag
BAL - Bale
BBL - Barrel
BDL - Bundle
BEM - Beam
BIC - Bing Chest
BIN - Bin
BKG - Bulk Bag
BLK - Bulk
BOB - Bobbin
BOT - Bottle
BOX - Box
BRG - Barge
BSK - Basket or hamper
BXI - Box, with inner container
BXT - Bucket
CAB - Cabinet
CAG - Cage
CAN - Can
CAR - Carrier
CAS - Case
CBC - Containers of Bulk Cargo
CBY - Carboy
CCS - Can Case
CHE - Cheeses
CHS - Chest
CLD - Car Load, Rail
CNA - Household Goods Containers, Wood
CNB - Container, MAC-ISO (Military Airlift Container - International Standards Organization) Light Weight 8x8x20 Foot Air
CNC - Container, Navy Cargo Transporter
CND - Container, Commercial Highway Lift
CNE - Engine Container
CNF - Multiwall Container Secured to Warehouse Pallet
CNT - Container
CNX - CONEX - Container Express
COL - Coil
CON - Cones
COR - Core
CRD - Cradle
CRT - Crate
CSK - Cask
CTN - Carton
CUB - Cube
CYL - Cylinder
DBK - Dry Bulk
DRK - Double-length Rack
DRM - Drum
DSK - Double-length Skid
DTB - Double-length Tote Bin
DUF - Duffle Bag
ENV - Envelope
FIR - Firkin
FLO - Flo-bin
FLX - Liner Bag Liquid
FRM - Frame
FSK - Flask
FWR - Forward Reel
GOH - Garments on Hangers
HED - Heads of Beef
HGH - Hogshead
HPR - Hamper
HPT - Hopper Truck
HRB - On Hanger or Rack in Boxes
HRK - Half-standard Rack
HTB - Half-Standard Tote Bin
JAR - Jar
JUG - Jug
KEG - Keg
KIT - Kit
KRK - Knockdown Rack
KTB - Knockdown Tote Bin
LBK - Liquid Bulk
LIF - Lifts
LOG - Log
LSE - Loose
LUG - Lug
LVN - Lift Van

27-02 -- Packaging Form Code (CONT)

Data Value - Definition
MLV - MILVAN - Military Van
MRP - Multi-Roll Pack
MSV - MSCVAN - Military Sealift Command Van
MXD - Mixed Type Pack
NOL - Noil
OVW - Overwrap
PAL - Pail
PCK - Packed - not otherwise specified
PCS - Pieces
PIR - Pims
PKG - Package
PLF - Platform
PLN - Pipeline
PLT - Pallet
POV - Private Vehicle
PRK - Pipe Rack
QTR - Quarter of Beef
RAL - Rail (Semiconductor)
RCK - Rack
REL - Reel
ROL - Roll
RVR - Reverse Reel
SAK - Sack
SBC - Liner Bag Dry
SCS - Suitcase
SHK - Shook
SHT - Sheet
SID - Side of Beef
SKD - Skid
SKE - Skid, elevating or lift truck
SLP - Slip Sheet
SLV - Sleeve
SPI - Spin Cylinders
SPL - Spool
SVN - SEAVAN - Sea Van
TBE - Tube
TBN - Tote Bin
TKR - Tank Car
TKT - Tank Truck
TLD - Intermodal Trailer/Container Load (Rail)
TNK - Tank
TRC - Tierce
TRI - Triwall Box
TRK - Trunk and Chest
TRU - Truck
TRY - Tray
TSS - Trunk, Salesmen Sample
TTC - Tote Can
TUB - Tub
UNP - Unpacked
UNT - Unit
VEH - Vehicles
VPK - Van Pack
WHE - On Own Wheel
WLC - Wheeled Carrier
WRP - Wrapped

29-01 -- Special Handling Code

Data Value - Definition
045 - Advanced Fee
15 - Speed Restricted to 15 Miles per Hour
170 - Certificate of Origin
25 - Speed Restricted to 25 Miles per Hour
35 - Speed Restricted to 35 Miles per Hour
45 - Speed Restricted to 45 Miles per Hour
510 - Offshore - Alaska/Hawaii Service
520 - Oversized Premium
550 - Preparation of Air Waybill - Origin
555 - Preparation of Canadian Customs Invoice
565 - Preparation of Export Entry
570 - Preparation of Insurance Certificate
585 - Preparation of U.S. Export Documentation
665 - Saturday Delivery
670 - Saturday Pick-Up
675 - Security Signature Service
761 - Written Proof of Delivery
A1M - Aggregate 1000
A3M - Aggregate 3000
A5M - Aggregate 5000
AAS - Attendants Accompanying
AB - Car is Air Brake Controlled
ADL - Advance Loading
AFN - Air Craft Furnished and Not Used
AGG - Aggregate Tender Discount
AGS - Armed Guard Service
AIB - Additional Injection/Blending Service
AK - Attachment - Auto Keys
ALP - Port Changes
ALT - Use of Alternate Terminal
AMM - A.M. Delivery Requirement
ANC - Anchoring and Unanchoring
APD - Additional Copy of Shipping Papers for Proof of Delivery
APL - Appliance Servicing
ARC - Air Conditioning Disconnect and Connect
ARG - Rail Armed Guard Service
ARR - Air Ride Tractor Service
ART - Air Ride Truck Service
ASY - Assembly Service Requested
AT - Attachment to Move with Car
AUX - Auxiliary Service
AV - Annual Volume
AW - Attachments - Advance Only Waybill
BA - Clearinghouse Balance
BCP - Bypass Consolidation Point
BKA - Bulky Article
BL - Blowable Load
BLK - Blocking and Bracing
BLS - Blind Shipment
BN - If Bad Ordered Notify Shipper
BNS - Bolster Load, Do Not Switch
BOX - Boxing Service - Dry Bulk
BU2 - Bunker Adjustment - 20 Foot Container
BU4 - Bunker Adjustment - 40 Foot Container
BUA - Bunker Adjustment
BW - Bill Shipper for Weigh Charge
CA2 - Currency Adjustment - 20 Foot Container
CA4 - Currency Adjustment - 40 Foot Container
CAR - ROEE Car or Pick-up Truck
CC - Container, Consolidator Load
CCB - Convert Commercial Bill of Lading (BOL) to Government BOL
CCH - Certification
CCS - Carrier Caboose
CD - Attachment - Customer's Document
CDD - Corrosion Additive Service
CE - Cleared for Export
CF - Container, Factory Load
CFC - Customs Fees - Container Level
CFL - Customs Fees - Lift Level
CGC - Carrier Guard Car Service
CGR - Return Carrier Guard Car Service
CGT - Cargo Taxes
CH - Carrier
CHN - Chain and Binders
CI - Customs Inspection
CIP - Commercial Invoice Preparation
CIS - Constant Surveillance
CLN - Cleaning

29-01 -- Special Handling Code (CONT)

Data Value - Definition
CLS - Class Rates Applied
CM - Attachment - Cotton Manifest
CMD - Comb. Rates over Detroit
CNL - Consolidation and Line Haul
CNS - Consolidation
CO - No Marshalling Required for Hazardous Materials
CON - Contract Rates Apply
COR - Certification That the Newsprint Winding Cores Being Returned Empty Were Received Filled by Rail Freight Service
COU - Consignee Unload
COV - Courier, Overnight
CPC - Copilot Service
CPM - Customs Papers Mailed
CR - Circus Ramp Only (TOFC Van)
CRL - Container Lease
CSD - Courier, Same Day
CSP - Government Caboose
CTL - Controlled Atmosphere
CTM - Container Mounting
CTR - Circuitous Routing
CUF - Currency Adjustment - Break Bulk
CW - Bill Consignee for Weigh Charges
CX - Top Load Only
CY - Certification that this Shipment is for Recycling as Defined in Applicable Tariffs Containing Such Provisions
DA - Dangerous
DBL - Double Wide Separate and Reassemble
DBP - Delivery of Fuel From Barge to Pipeline
DCS - DOD Constant Surveillance Service
DDN - Dual Driver with National Agency Check
DDP - Dual Driver Protective Service
DDS - Direct Delivery
DDZ - Drayage at Port of Debarkation (Rate Zone)
DE - Demurrage
DEL - Delivery Service
DEP - Detention of Conveying Equipment and the Power Unit
DET - Detention of Conveying Equipment Excluding the Power Unit
DEZ - Drayage at Port of Embarkation (Rate Zone)
DFD - Keep From Freezing Percent Differential
DFM - 410 Dromedary with Mechanical Restraining Devices
DFS - 410 Dromedary
DIS - Distribution Service Requested
DLP - Delivery of Fuel From Rail Tank Car to Pipeline
DLR - Notify Shipper Immediately if Shipment is Delayed en Route
DM - Domestic
DN - Shipper Authorization Required for Diversion or Consignment
DNC - Do Not Couple to Other Diaphragmed Cars
DNF - Do Not Freeze
DNT - Do Not Couple to Tank Cars
DOC - Documentation - Special
DOV - Container Diversion
DPB - Delivery of Fuel From Pipeline to Barge
DPD - Drayage at Port of Debarkation
DPE - Drayage at Port of Embarkation
DPL - Delivery of Fuel From Pipeline to Rail Tank Car
DPT - Delivery of Fuel From Pipeline to Tank Truck or Trailer
DPU - Detention With Power Units (30 minute periods)
DR - Drop Yard
DRO - Drop-Off Delivery
DRU - Drumming Service
DS - Delivery Only on Surrender of Written Order
DSK - Do Not Couple to Double Shelf Couples
DSM - Dromedary with Mechanical Restraining Devices
DSR - Dromedary Service Requested
DSV - Door Side Vanning
DT - Dead in Tow
DTB - Labor Associated with Detention of Conveying Equipment
DTP - Delivery of Fuel From Tank Truck or Trailer to Pipeline
DTV - Detention (Vehicle)
DU - Do Not Uncouple
DV - Equipment
DW - Destination Weights Apply
DWP - Detention With Power Units (60 minute periods)
EAX - Extra Axles
ECR - Escort/Courier Service
ECS - Empty Railcar Ordered But Not Used
ED - Excessive Dimensions
EDD - Equipment Hose at Destination
EDO - Equipment Hose at Origin
EE - Electronic Equipment Transfer

29-01 -- Special Handling Code (CONT)

Data Value - Definition
EED - Exclusive Use
EL - Environmental Control Limits
ELS - Extra Lights
EMR - Emergency Service
EMT - Empty Movement
END - Endorsement
EP - Expedite
ER - Return Empty Via Reverse Route
ERS - Empty Return
ERT - Satisfactory Service Standards
EV - Damages Incurred if Shipment Fails to Meet Vessel Loading
EW - Excessive Weight
EX - Explosive Flammable Gas
EXC - Exclusive Use of Vehicle
EXD - Extra Driver
EXL - Extra Length Surcharge
EXO - Export Preparation
EXP - Expedited Rates Applied
EXQ - Expedited Service
EXT - Extra Labor
EXU - Exclusive Use of Vehicle Damaged
EXZ - Expand Remove and Install
EZE - Roadway Easy Rates Applied
FA - Face "A-end" to Head of Train
FAK - Barge Freight All Kinds Service
FAS - Firearms
FB - Face "B-end" to Head of Train
FC - Moving Under "For Furtherance Instructions" and May Be Delivered
FCS - Furnishing Chassis
FD - Full Service
FFC - Fuel Filters Furnished by Carrier
FFS - Fuel Filters Furnished by Shipper
FG - Flammable Gas
FL - Flammable
FLS - Flatrack Surcharge
FP - Flammable Poison Gas
FPT - For Processing in Transit
FR - Fragile - Handle with Care
FRZ - Accepted by Carrier at Owner's Risk of Freezing
FS - Nontransit Flat Shipment
FST - For Storage in Transit
FTR - Filtration Service
GI - Grain Inspection
GMS - Garment Surcharge
GOC - Government-Owned Containers
GSP - Government Guard Car
GSS - Greater Security Service
HAL - Hold at Location
HAN - Handling
HBR - Hand Brakes at Each End Must Be Released
HDH - Shipment Holdover for Holidays
HDW - Shipment Holdover for Weekends
HE - Head End Car
HEA - Heat in Transit
HES - Heat - Special
HET - Heat With Steam
HH - Household
HM - Endorsed as Hazardous Material
HMA - Accessible Hazardous Material
HMI - Inaccessible Hazardous Material
HO - Hold for Orders
HOL - Sunday or Holiday Pickup or Delivery
HOR - 24 Hour Availability
HOS - Hose
HOX - Special Hose
HP - Heated Prior to Loading
HQT - High Cube Trailer Rates
HR - Home for Repair
HRS - Heater or Refrigeration
HT - Heat
HTI - Hitch Installation
HV - High Value Load
HW - High Wide Load
HZC - Hazardous Materials Surcharge
HZD - Hazardous Cargo On Deck
IB - In-bond
IC - Ice
ID - Shipment to be Inspected at Destination and Disposition Instructions will be Furnished

29-01 -- Special Handling Code (CONT)

Data Value - Definition
IDC - Idler Car
IDL - Inside Delivery
IIH - Icing Inhibitor Service
IM - Interoffice Move
IMP - Impactographs
IMS - Intermodal Shipment Service
INT - Intra-Plant Move
IP - Import Shipment
IPU - Inside Pickup
IR - Rail Incentive Rate
IS - Surveillance Service
ITS - Interline Transfer Service
JIT - Just-In-Time (JIT)
JLX - Joint Line Exception
JS - Junction Settlement Account
KEG - Certification that the Containers Being Returned Empty Were Received Filled by Rail Freight Service
KMD - Keep Material Dry
LAB - Labor Disturbance
LAY - Layover
LB - Land Bridge (Import/Export)
LBL - Apply a Uniform Code Council/International Article Numbering Association (UCC/EAN) Serial Shipping Container Label to the Shipping Containers
LBR - Light Bar Service
LBT - Low Boy Trailer/Flat Bed
LC - Car Trip Leased to Consignee
LC2 - Land Currency Adjustment Factor - 20 Foot Container
LC4 - Land Currency Adjustment - 40 Foot Container
LCL - Percent Differential - Less Than Container
LD - Loading Devices
LEC - Less Than Container
LF - Loaded to Full Visible Capacity
LFD - Linehaul from Port of Debarkation
LHS - Linehaul Service
LIE - Liability of Carrier
LMD - Liner Terms at Port of Debarkation
LME - Liner Terms at Port of Embarkation
LN - Less Than Container, Consolidator Load
LP - Protect Lowest Through Rate
LPD - Linehaul Percent Differential
LR - Less Than Container, Factory Load
LS - Local Service Only
LT - Less Than Full Carload
LTE - Linehaul To Port of Embarkation
LTT - Less Than Truckload
LYC - Layover Service
MAT - Modified Atmosphere
MC - Person in Charge of Car
MEN - Escort Service with Overnight Subsistence
MES - Escort
MET - Escort Services (Telephone)
MF - Cleared for Border Crossing
MIN - Insulated
MNS - Motor Surveillance Service
MOT - Other
MP - Multiple Pickup
MR - Mechanical Refrigeration
MRF - Refrigerated
MSS - Motor Surveillance Service
MTE - Military Traffic Expediting Service
MVS - Special Motor Surveillance
NC - Notify Consignee Before Delivery
ND - Do Not Divert
NE - No Special Entrainment Required
NH - Do Not Hump
NHC - Do not Hump or Hump into
NHL - Do Not Use Helper Locomotive to Push
NI - New Equipment First Transborder Movement
NP - Do Not Pool
NPR - No Placards Required
NS - Notify Shipper Before Reconsignment
NSV - Nose Side Vanning
NT - Do Not Transfer Contents
NW - In Case of Fire Do Not Use Water
NX - Not for Export
OAH - Stow Away from Heat
OBL - Block Stowage
OCA - Cargo Aboard
OCL - Carrier Load and Consignee Unload
OCN - Over Height Container

29-01 -- Special Handling Code (CONT)

Data Value - Definition
OCS - Completing Shipment
OCV - Delivery Verification Not Required
ODI - Stow with Doors Facing Inward
OEH - Exempt Commodity
OFH - In Front of House Stowage
OFU - Fumigation
OHC - Harmless
OIL - Oil Field Service
ONC - Use No Hooks
ONS - Not Restricted Cargo
OOB - Cargo on Board Certification Required
OOD - On Deck Stowage
OOL - Carrier Load and Carrier Unload
OPR - Perishable
OPT - Partial Shipment
OS - Commodity Loaded Less Than or Equal To the Car Ordered
OSB - Stow Below Deck
OST - Stow Between Decks
OTC - Temperature Control
OTD - Time of Delivery and Signature Required
OTH - On Top In-hatch Stowage
OTO - On Top On-deck Stowage
OTS - Total Shipment
OUC - Under Container On-deck Stowage
OUW - Below Water Line Stowage
OV - Overweight
OVR - Overflow
OWC - Over Width Container
OWR - One Way Rates Applied
PAJ - Pumping Equipment
PAV - Pickup of Shipments on Saturday, Sunday, and/or Holidays Requiring Absolute Next Day Delivery
PB - Perishable in Box Car
PD - Privately Controlled Private Equipment Subject to Demurrage
PDS - Pickup and Delivery From Storage in Transit
PDY - Pickup and Delivery Beyond Service Area
PER - Special Permits
PFH - Protect From Heat
PG - Poisonous Gas
PHR - Per Hour Rates Applied
PI - Iced Prior to Loading
PIR - Pier Time
PMM - P.M. Delivery Requirement
PMR - Per Mile Rates Apply
PMS - Pickup of Shipments Requiring Same Day Delivery Service
PMT - Pickup of Shipments Requiring Same Day Delivery Service and/or Delivery at a Specified Time
POC - Piano/Organ Carry
PPD - Pickup and Delivery Service for Perishables
PRL - Prelodge
PRT - Stuffing Charge
PS - Product Protection Service
PSG - Protective Service Security with Armed Guards
PSS - Protective Security Service
PTS - Protective Tarp For Security Purposes
PUC - Pickup
PUD - Pickup and Delivery
PUK - Pack and Unpack
PUP - PUP Trailer Rates Apply
PVB - Bonded Privately Owned Vehicle
PVD - Detention of Privately Owned Vehicle
PVI - Inoperable Privately Owned Vehicle
PVL - Loading/Unloading of Privately Owned Vehicle
PVP - Private Owned Vehicle Processing
PVS - Stop-offs for Privately Owned Vehicle Shipment
PVT - Privately Owned Vehicle in Truckaway Service
PW - Attachment - Prepaid Waybill
PYS - Priority Service
RA - Return Authorization
RB - Render Bill for Charges
RC - Railroad Controlled Private Equipment Subject to Demurrage
RCC - Reconsignment
RCL - Redelivery
RDH - Railhead Handling
RDR - Roadrailer Service
REP - Respotting
RES - Residential Delivery
RFM - Reefer Maintenance
RIE - Released Value Charge in Excess of Carrier Maximum Liability
RLS - Relocation of Vehicle

29-01 -- Special Handling Code (CONT)

Data Value - Definition
RM - Radioactive Material
RMC - Return of Empty Container
RMP - Return Movement of Pallet
RMS - Rail Surveillance
RO - Rush Order
RPD - Reefer Cargo Percent Differential
RR - Rear Rider
RRR - Round Trip Service
RS - Inspect Hourly if Car Stopped
RSP - Reshipment
RSS - Restricted Speeds
RSV - Reservations
RT - Record for Transit
RWR - Reweight Requested
SAS - Shipment Holdover on Weekends
SAT - Saturday Pickup or Delivery
SB - Shipper Load/Carrier Count
SC - Shove to Rest and Cover
SCC - Special Containers
SCL - Shipper Load and Consignee Unload
SD - Subject to Special Detention Rules/Charges
SDL - Split Delivery
SDS - Special Dromedary Service
SE - Attachment - Shipper's Export Document
SEC - Special Equipment Charge
SED - Shipper Export Declaration Required
SEE - Stairs, Elevator, Excess Carry
SER - Service Charge Applies
SEV - Security Escort Vehicle Service
SFB - Single Factor Origination/Destination
SFD - Single Factor Origination/Port of Debarkation
SFE - Single Factor Port of Embarkation/Destination
SFT - Special Train Movement
SGL - Single Shipment
SH - Shiftable Load
SHH - Shipment Holdover on Holidays
SHL - Shipper Load
SHW - Shipment Holdover on Weekdays
SI - Ship to Cross Dock or Pool
SK - Requires Shelf Couplers
SKT - Skirting and Unskirting
SLC - Shipper Load and Count
SM - Attachment - Shipper's Manifest
SMP - Small Package
SMS - Satellite Surveillance Service
SNM - Transmit a Ship Notice/Manifest Transaction Set
SNS - Satellite Surveillance Service
SNT - Shipment from Non-Temp Storage
SOC - Stop-off
SOL - Shipper Load and Carrier Unload
SP - Attachment - Shipper's Packing Instructions
SPC - Special Permit
SPR - Spreader Service
SPT - Spot for Storage - No Shipment
SPU - Split Pickup
SR - Speed Restricted
SRG - Storage
SRS - Surveying Routes
SSC - Stripping, Sorting & Consolidation
SSN - Substitute Service Not to be Used
SSU - Pole Lashing Equipment (PLE) Surcharge
ST - Stack Train
STA - Conductivity/Anti-static Additive
STD - Stopoff at Destination
STO - Stowage
STP - Stopoff at Origination
STR - Signature and Tally Record
SUA - Spot for Unloading from A End
SUB - Spot for Unloading from B Brake End
SUP - Supervisor Requested
SVS - Storage of Vehicles
SW - Stretch Wrap
TA - Cars Temporarily Articulated
TC - Trailer, Consolidator Load
TDC - Truckload-Double Operator-Common Carrier
TDP - Truckload-Double Operator-Padded Van
TER - Terminal Handling Charges
TF - Trailer, Factory Load

29-01 -- Special Handling Code (CONT)

Data Value - Definition
TLS - Tendered as Truckload (Truckload Service Requested)
TMS - Multi-Tank Surveillance Service
TMV - Tendering of Multiple Vehicles
TN - Turn Car
TOF - Trailer on Flat Car
TPS - Third Party Service
TRA - Tractor Only
TRK - Truck Rates Applicable
TRL - Trailer Preparation - Special
TRM - Termination
TRN - Transfer Product
TRP - Tire Repair and Replace
TRS - Trade Show
TRT - Tractor and Trailer
TS - Transit Shipment
TSC - Truckload-Single Operator-Common Carrier
TSP - Truckload-Single Operator-Padded Van
TSS - Tank Surveillance Service
TT - Team Track Delivery
TV - Time Volume Rates Only
UB - Unload at Bumper (Circus Ramp)
UFC - Under Carriage Furnished By Carrier
UI - Unitized
UL - Unload from Left Side of Car
UN - Unload as Placarded
UP - Unprotected Perishable
UPK - Unpacking
UR - Unload from Right Side of Car
URC - Unloading or Reloading
US - Shipper Certifies Gross Weight under 240,000 pounds
UTL - Utilities Disconnect and Connect
VAC - Vacuum Service
VAN - ROEE Van Type Truck
VCL - Van Cleaning
VFN - Vehicles Furnished But Not Used
VIS - Vehicles Inoperable
VN - Verification Weigh
VSO - Stop Off Delivery of Personal Vehicles
VT - Ventilation Instructions
VTS - Vehicles in Truckaway
WB - Wide-Body Pickup Truck (Applies to Finished Vehicle Loading
WBB - Wharfage - Breakbulk
WCT - Wharfage - Container
WD - Waived Inspection - Set Direct
WDS - Waterfront Delivery
WE - Weigh Empty
WFG - Wharfage
WH - Attachments - High Wide Notice
WI - Waive Inspection
WM - Manifest Must Accompany Waybill
WO - Weigh to Check for Overload
WRB - War Risk Crew Bonus
WRI - War Risk Insurance
WTV - Weight Verification
WW - Waste Water
XP - Export
XT - Cross Town
ZZZ - Mutually Defined

29-02 -- Special Services Code

Data Value - Definition

A0010 - Alterations
A0020 - Anneal/Heat (Steel or Glass Treatment)
A0030 - Art Work
AC - Acid (Battery)
AD - Accept at Destination
AF - Affidavit
AG - Aircraft On Ground (AOG)
AM - Administration
AO - Accept at Origin
B0020 - Black Lung Tax
B0040 - Burning
BH - Buyer Hand Carry
BI - Bill and Hold
BOP - Bop Sheet
C0012 - Capping
C0032 - Coating (Dip, Rustproof, EDP)
C0036 - Certificate of Conformance
C0038 - Certificate of Origin
C1 - Shipper Load and Count
C2 - Carrier Load and Count
CA - Cataloging Services
CC - Carrier Unload
CD - COD Request
CH - Cut and Parallel
CI - Cut
CM - Continuous Movement
CN - Combination Performance and Non-performance
CO - Cooperative Unloading
CS - Cigarette Stamping
CT - Count and Recount
CU - Consignee Unload
CY - Carry-in Service
CZ - Cable Pressurization
D0020 - Determined Freight
D0024 - Layout/Design
D0031 - Driver Assisted Unloading
D0032 - Driver Assisted Loading
D1 - One - Day Service
D2 - Two - Day Service
DA - Delivery Acknowledgment
DE - De-Installation
DH - Drop and Hook Receiving
DI - Die Service Charge
DL - Delivery
DS - Designated Supplier Inspection
DV - Declared Value
E0030 - Exclusive use
EG - Engraving
EM - Emergency Service
EN - Enclosure
ER - Equipment Manufacturer Restoration Audit
EU - Exclusive Use Of Equipment
EX - Expedited Service
F1 - Full Service
FG - Free Goods
FS - Floor Stock Protection
G0010 - Grinding
G0052 - Government Inspection
GI - Grouped Items
GP - Gas Pressure
GU - Guaranteed Inspection Technical Service
H1 - Temperature Protection
HC - Handling Service
HH - Hointins and Hauling
HS - Hauling and Hoisting
I0012 - Installation
I0013 - Installation & Warranty
I0021 - Inspection
I0022 - Identification
IC - Inside Cable Connectors
ID - Inside Delivery
IG - Invoice with Goods
IK - Insurance Provided by Lessee
IL - Insurance Provided by Lessor
IM - Inspect at Destination
IN - Insurance
IO - Inspect at Origin
IP - In-stock Merchandise

29-02 -- Special Services Code (CONT)

Data Value - Definition
IQ - Interim Use Permitted at Special Rate
IR - Installation and Training
IS - Invoice Services
IT - In Transit Price Protection
KO - Koshering
L1 - Shipper Load, Carrier Count
LA - Labeling
LL - Loading Service
LS - Lease Shortfall Consideration
M0010 - Memo Returnable Container
M0042 - Mounting
MI - Mail Invoice
ML - Mail Invoice to Each Location
MNTAN - Annual Maintenance
MNTMN - Monthly Maintenance
MNTON - One-Time Maintenance
N0020 - Non-returnable Containers
N0021 - Non-Returnable
N0032 - Notarized Affidavit
NC - Notify Consignee Before Delivery
OA - Outside Cable Connectors
ON - On-site Service
OP - Oversized Package
P0012 - Painting (Primer or Finish)
P0014 - Phosphatizing (Steel Treatment)
P0016 - Pickle and Oil
P0018 - Plating
P0022 - Preparation
PA - Pack Invoice with Shipment
PB - Previous Billing
PC - Packaging Service
PE - Pulling Eyes
PF - Proof & Composition
PL - Palletizing
PLI - Pilot Inspection
PM - Perpetual Movement
PO - Purchase Option
PP - Progress Payment Requirement
PSF - Pickup Service Furnished
R0072 - Repair
R0076 - Returnable Container
R0077 - Returnable
R0110 - Rework
RD - Residential Delivery
RE - Recall Service
RM - Roundtrip Movement
RP - Return Parts to Customer
S0014 - Shearing
S0016 - Shotblasting
S0022 - Sleeving
S0024 - Ship to Stock Quality Audit
S0050 - Special Packaging
S0052 - Stamping
S0054 - Source Inspection
S0056 - Strapping
S0080 - Supplemental Items
S1 - Shipper Load, Consignee Unload
S2 - Slip Sheet, Truck
S3 - Seller Hand Carry
SD - Shrinkage Allowance
SG - Same - Day Service
SH - Special Handling Service
SJ - Subject To Tax On Resale
SLP - Slip Sheet
SPI - Specification Review
SR - Slip Sheet, Rail
SS - Tax Liability - One Time
ST - Tax Liability - Amortized
SU - Set-up
SV - Service Center
SW - Swell
T0070 - Tools for Printing
T1 - Onetime Tooling
TC - Ticketing Service
TE - Tendered as Truckload
TH - Technology Exchange
TM - Consecutive Movement
TO - Tooling

29-02 -- Special Services Code (CONT)

Data Value - Definition
UN - Unitized
US - USDA Inspected, Stamping Certification
V1 - Drop Yard
V2 - Drop Dock
W0010 - Warranties
WC - Will Call
WH - Warehousing
X0010 - Combine All Same Day Shipment
XP - Expanded Service
XX - Third Party Pallets
YY - Split Pickup
ZZ - Mutually Defined