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Department  
of  
Defense

DoD  
Transportation  
Electronic Business  
(DTEB) Convention

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

VERSION 3

March 2015



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# Section 1.0

## INTRODUCTION

This implementation convention (IC) describes the standard or convention the Department of Defense will use to exchange Express Package Bills of Lading using the ASC X12 Transaction Set 858 Shipment Information (Version 004010). The copyright on the ASC X12 standards is held by the Data Interchange Standards Association on behalf of ASC X12.

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

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

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

[https://its.ustranscom.mil/cris/dteb/ic/trans\\_ics.cfm](https://its.ustranscom.mil/cris/dteb/ic/trans_ics.cfm)

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

## Who Needs to Use This Document?

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

## Why Use a Convention?

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

## Contents

Additional sections are included in this document.

- Section 2.0, Control Segments, identifies the specific data requirements for formatting the EDI interchange control segments that envelop all EDI transactions.
- Section 3.0, Transaction Set Profile, 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. Programmers use this section 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 may 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 3

## Added in Version 3

DM Number	DM Description	Approval Date
1168	In section 6 remove current DTEB IC code list for index [55-08] - Service Code (L108, DE 150) that reflect codes broken down by specific carrier and replace with the consolidated list of DoD approved codes and associated definitions	2/2/2015
1167	In section 6 remove current DTEB IC code lists for index [7-01] - Carrier Data Qualifier (N901, DE 128) that reflect codes broken down by specific carrier and replace with the consolidated list of DoD approved codes and associated definitions	2/2/2015

## Added in Version 2

DM Number	DM Description	Approval Date
1137	Add new accessorial codes for use in the L108 list of codes: OVR - with an X12 definition of Over Dimension. DOD definition Oversized/Large Package 690 - with an X12 definition of Special Handling Service. DOD definition Additional Handling 260 - with an X12 definition of Delivery Surcharge. DOD definition Delivery Area - Commercial, Extended, Alaska, Hawaii, Metro, US, Outside US, Canada	7/8/2014

## Added in Version 1

DM Number	DM Description	Approval Date
1054	<p>At index 6 add new N9 segment with DoD definition as "N9 SEGMENT - Contract Number" as Conditional. Add segment condition note that reads "SEGMENT CONDITION: Use when a Contract Number is applicable."</p> <p>At index 6-01 add new N901 data element 128 with DoD definition of "Contract Number Qualifier" as Mandatory, ID, 2/2. Add code value 'CT - Contract Number'</p> <p>At index 6-02 add new N902 data element 127 with DoD definition of "Contract Number" and note that reads "Contract number used for invoicing purposes"</p> <p>At index 41 add new N9 segment with DoD definition as "N9 SEGMENT - National Stock Number" as Conditional. Add segment condition note that reads "SEGMENT CONDITION: Use when a National Stock Number is applicable."</p> <p>At index 41-01 add new N901 data element 128 with DoD definition of "National Stock Number Qualifier" as Mandatory, ID, 2/2. Add code value 'NS - National Stock Number'</p> <p>At index 41-02 add new N902 data element 127 with DoD definition of "National Stock Number" and note that reads "National Stock Number used for transportation purposes"</p> <p>At index 42 add new N9 segment with DoD definition as "N9 SEGMENT - Part Number" as Conditional. Add segment condition note that reads "SEGMENT CONDITION: Use when a Part Number is applicable."</p> <p>At index 42-01 add new N901 data element 128 with DoD definition of "Part Number Qualifier" as Mandatory, ID, 2/2. Add code value 'MF - Manufacturers Part Number'</p> <p>At index 42-02 add new N902 data element 127 with DoD definition of "Part Number" and note that reads "Part Number used for transportation purposes"</p>	6/21/2012

## Section 2.0

# CONTROL SEGMENTS

### Instruction

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

[https://its.ustranscom.mil/cris/dteb/ic/trans\\_ics.cfm](https://its.ustranscom.mil/cris/dteb/ic/trans_ics.cfm)

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

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

<http://www.transcom.mil/dteb/>

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## Section 3.0

# STANDARD IMPLEMENTATION CONVENTION

This section presents the DoD's convention for generating express package bills of lading using ASC X12 Transaction Set 858 Shipment Information (Version 004010).

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

- [*blank*] - Segment or data element may be used optionally
- M - X12 standards designate mandatory use of segment or data element
- >> - Segment or data element is mandatory for DTEB use
- X - Segment or data element is not used.

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

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# 858 Shipment Information

Functional Group ID=**SI**

## Introduction:

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

## Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
Not Used	020	ZC1	Beginning Segment for Data Correction or Change	O	1		
M	030	BX	General Shipment Information	M	1		n1
Not Used	040	BNX	Rail Shipment Information	O	1		
Not Used	050	M3	Release	O	1		
	060	N9	Reference Identification	O	30		
Not Used	065	CM	Cargo Manifest	O	3		
Not Used	070	Y6	Authentication	O	4		
Not Used	080	Y7	Priority	O	1		
	090	C3	Currency	O	1		
Not Used	100	ITD	Terms of Sale/Deferred Terms of Sale	O	1		
Must Use	110	G62	Date/Time	O	10		
Not Used	120	PER	Administrative Communications Contact	O	3		
Not Used	130	NA	Cross-Reference Equipment	O	999		
Not Used	140	F9	Origin Station	O	1		
Not Used	150	D9	Destination Station	O	1		
Not Used	160	R1	Route Information (Air)	O	1		
Not Used	170	R2	Route Information	O	13		
Not Used	175	R3	Route Information - Motor	O	13		
Not Used	180	R4	Port or Terminal	O	5		
Not Used	190	MEA	Measurements	O	10		
Not Used	200	H3	Special Handling Instructions	O	20		
Not Used	201	PS	Protective Service Instructions	O	5		
Not Used	210	H6	Special Services	O	6		
Not Used	211	V4	Cargo Location Reference	O	1		
Not Used	212	V5	Vessel Code	O	1		
<b>LOOP ID - E1</b>						<b>2</b>	
Not Used	220	E1	Empty Car Disposition - Pended Destination Consignee	O	1		
Not Used	230	E4	Empty Car Disposition - Pended Destination City	O	1		
Not Used	240	E5	Empty Car Disposition - Pended Destination Route	O	13		

Not Used	245	PI	Price Authority Identification	O	1
Not Used	250	M1	Insurance	O	1
Not Used	260	M2	Sales/Delivery Terms	O	1
Not Used	270	L7	Tariff Reference	O	30
Not Used	280	NTE	Note/Special Instruction	O	50
Not Used	290	XH	Pro Forma - B13 Information	O	1
<b>LOOP ID - N7</b>					<b>600</b>
Not Used	330	N7	Equipment Details	O	1
Not Used	331	EM	Equipment Characteristics	O	1
Not Used	335	NA	Cross-Reference Equipment	O	30
Not Used	340	M7	Seal Numbers	O	5
Not Used	350	N5	Equipment Ordered	O	1
Not Used	360	REF	Reference Identification	O	5
Not Used	370	IC	Intermodal Chassis Equipment	O	1
Not Used	375	VC	Motor Vehicle Control	O	21
Not Used	380	GA	Canadian Grain Information	O	15
<b>LOOP ID - E1</b>					<b>2</b>
Not Used	381	E1	Empty Car Disposition - Pended Destination Consignee	O	1
Not Used	382	E4	Empty Car Disposition - Pended Destination City	O	1
Not Used	383	E5	Empty Car Disposition - Pended Destination Route	O	13
Not Used	384	PI	Price Authority Identification	O	1
<b>LOOP ID - N1</b>					<b>12</b>
Must Use	390	N1	Name	O	1
	400	N2	Additional Name Information	O	2
	410	N3	Address Information	O	2
	420	N4	Geographic Location	O	1
	430	REF	Reference Identification	O	12
	440	PER	Administrative Communications Contact	O	3
Not Used	445	H3	Special Handling Instructions	O	5
<b>LOOP ID - S5</b>					<b>999</b>
Not Used	450	S5	Stop-off Details	O	1
Not Used	460	G62	Date/Time	O	6
Not Used	470	N9	Reference Identification	O	10
Not Used	480	H6	Special Services	O	6
<b>LOOP ID - N1</b>					<b>5</b>
Not Used	490	N1	Name	O	1
Not Used	500	N2	Additional Name Information	O	2
Not Used	510	N3	Address Information	O	2
Not Used	520	N4	Geographic Location	O	1
Not Used	530	REF	Reference Identification	O	12
Not Used	540	PER	Administrative Communications Contact	O	3
<b>LOOP ID - FA1</b>					<b>&gt;1</b>
Must Use	550	FA1	Type of Financial Accounting Data	O	1
M	560	FA2	Accounting Data	M	>1
Not Used	570	L10	Weight	O	1

**Detail:**

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - HL			>1	
M	010	HL	Hierarchical Level	M	1		
Not Used	020	N7	Equipment Details	O	1		
Not Used	030	NA	Cross-Reference Equipment	O	1		
Not Used	040	M7	Seal Numbers	O	5		
Not Used	050	N5	Equipment Ordered	O	1		
Not Used	060	REF	Reference Identification	O	5		
Not Used	070	IC	Intermodal Chassis Equipment	O	1		
Not Used	080	VC	Motor Vehicle Control	O	24		
Not Used	090	L7	Tariff Reference	O	10		
	095	SL1	Tariff Reference	O	1		
Must Use	100	N9	Reference Identification	O	10		
Not Used	105	H3	Special Handling Instructions	O	1		
Not Used	110	X1	Export License	O	6		
Not Used	120	X2	Import License	O	1		
	130	L5	Description, Marks and Numbers	O	10		
Not Used	131	PER	Administrative Communications Contact	O	5		
Not Used	132	LH2	Hazardous Classification Information	O	6		
Not Used	133	LHR	Hazardous Material Identifying Reference Numbers	O	1		
Not Used	134	LH6	Hazardous Certification	O	5		
Not Used	137	Y7	Priority	O	2		
Not Used	138	G62	Date/Time	O	10		
Not Used	140	NTE	Note/Special Instruction	O	100		
Not Used	142	LP	Load Planning	O	1		
Not Used	143	AXL	Vehicle Axle Measurements	O	12		
			LOOP ID - L0			20	
Must Use	145	L0	Line Item - Quantity and Weight	O	1		
Must Use	150	L1	Rate and Charges	O	20		
	160	MEA	Measurements	O	10		
			LOOP ID - LH1			100	
	170	LH1	Hazardous Identification Information	O	1		
	180	LH2	Hazardous Classification Information	O	4		n2
Not Used	190	LH3	Hazardous Material Shipping Name	O	12		
Not Used	191	LFH	Freeform Hazardous Material Information	O	20		
Not Used	192	LEP	EPA Required Data	O	3		
Not Used	200	LH4	Canadian Dangerous Requirements	O	1		
Not Used	201	LHT	Transborder Hazardous Requirements	O	3		
Not Used	210	LHR	Hazardous Material Identifying Reference Numbers	O	10		n3
Not Used	215	PER	Administrative Communications Contact	O	5		
Not Used	220	LHE	Empty Equipment Hazardous Material Information	O	1		n4
			LOOP ID - FA1			>1	
	230	FA1	Type of Financial Accounting Data	O	1		
M	240	FA2	Accounting Data	M	>1		
	250	L10	Weight	O	1		
			LOOP ID - NM1			4	
Not Used	260	NM1	Individual or Organizational Name	O	1		

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

**Summary:**

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

**Transaction Set Notes**

1. BX05 contains the Standard Carrier Alpha Code (SCAC) of the original roadhaul carrier receiving the shipment.
2. If the hazardous endorsement (LH204) is "NONE", then use of LH204 is mandatory. However, the receiver must consider it to be blanks when printing a paper document.
3. All receivers of the EDI transactions covering empty tank cars which last contained hazardous commodities must be able to add the constant words: RESIDUE: LAST CONTAINED ahead of the contents of LHE01 and add the constant: RESIDUE following the contents of the LHE02 when printing paper documents.
4. When used in the hazardous material loop, the segment will identify the various certification, exemption or shipper-related numbers that relate to the specific line item of the shipment that are in addition to the UN/UA number reference in the LH1 segment.

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Syntax Notes:**  
**Semantic Notes:** 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).  
**Comments:**  
**Business Rules:** Variable Name: STST  
**Notes:** [1] ST SEGMENT - Express Package Header

**Data Element Summary**

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

**Segment:** **BX** General Shipment Information  
**Position:** 030  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To transmit identification numbers and other basic shipment data  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** [2] BX SEGMENT - Express Package Beginning Segment

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	BX01	353	<b>Transaction Set Purpose Code</b>	M ID 2/2
			Code identifying purpose of transaction set	
			[2-01] Transaction Set Purpose Code	
		00	Original	
			[2-01] Original	
		01	Cancellation	
			[2-01] Cancellation	
		04	Change	
			[2-01] Change	
		14	Advance Notification	
			[2-01] Advance Notification	
M	BX02	91	<b>Transportation Method/Type Code</b>	M ID 1/2
			Code specifying the method or type of transportation for the shipment	
			[2-02] Transportation Method/Type Code (Mode Code)	
		AE	Air Express	
			[2-02] Air Express	
		AF	Air Freight	
			[2-02] Air Freight	
		AH	Air Taxi	
			FAA approved carrier utilizing a 1 or 2 engine aircraft for on demand service	
			[2-02] Air Taxi	
		FA	Air Freight Forwarder	
			A firm other than a railroad, motor, or water carrier, which represents itself as a common carrier and undertakes to assemble and consolidate shipments or provide for same and assumes responsibility for the air transportation of such property from point of receipt to its destination. Delivery is "Held in Bond"	
			[2-02] Air Freight Forwarder	
		MP	Motor (Package Carrier)	
			[2-02] Motor (Package Carrier)	
M	BX03	146	<b>Shipment Method of Payment</b>	M ID 2/2
			Code identifying payment terms for transportation charges	
			[2-03] Shipment Method of Payment	
		CD	Collect on Delivery	
			[2-03] Collect on Delivery	
		PP	Prepaid (by Seller)	
			[2-03] Prepaid (by Seller)	

TP Third Party Pay

[2-03] Third Party Pay

>>	<b>BX04</b>	<b>145</b>	<b>Shipment Identification Number</b>	<b>O AN 1/30</b>
			Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)	
			[2-04] Commercial Bill of Lading Number	
			Use this element to identify the shipper assigned bill of lading number.	
>>	<b>BX05</b>	<b>140</b>	<b>Standard Carrier Alpha Code</b>	<b>O ID 2/4</b>
			Standard Carrier Alpha Code	
			[2-05] Standard Carrier Alpha Code	
			The industry assigned alpha code representing the carrier who received the shipment.	
			SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	
X	<b>BX06</b>	<b>188</b>	<b>Weight Unit Code</b>	<b>O ID 1/1</b>
			Code specifying the weight unit	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	<b>BX07</b>	<b>147</b>	<b>Shipment Qualifier</b>	<b>O ID 1/1</b>
			Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	<b>BX08</b>	<b>226</b>	<b>Section Seven Code</b>	<b>O ID 1/1</b>
			Code indicating applicability of section seven option (if not transmitted assume not in effect)	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	<b>BX09</b>	<b>195</b>	<b>Capacity Load Code</b>	<b>O ID 1/1</b>
			Code specifying type of capacity load	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	<b>BX10</b>	<b>160</b>	<b>Status Report Request Code</b>	<b>O ID 1/1</b>
			Code used by the shipper to specify that an automatic status report is requested when the shipment is delivered	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	<b>BX11</b>	<b>501</b>	<b>Customs Documentation Handling Code</b>	<b>O ID 2/2</b>
			Code defining method of handling for documentation	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	<b>BX12</b>	<b>199</b>	<b>Confidential Billing Request Code</b>	<b>O ID 1/1</b>
			Code used by the shipper to request that the carrier inhibit origin identification information from the invoice transaction sets and/or rate and charges from waybill documents and transaction sets when shipment moves under confidential contract rates	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	<b>BX13</b>	<b>714</b>	<b>Goods and Services Tax Reason Code</b>	<b>O ID 1/1</b>
			Code required to identify the reason for a 0% rated goods and services tax	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	<b>BX14</b>	<b>346</b>	<b>Application Type</b>	<b>O ID 2/2</b>
			Code identifying an application	
			[2-14] Application Type	
			ELEMENT CONDITION: Use when broker.	
			21 Vessel Import Manifest (Canadian)	
			22 Vessel Export Manifest (Canadian)	
			23 Vessel In-Transit Manifest (Canadian)	
			24 Vessel Consignment Import Manifest (Canadian)	
			25 Vessel Consignment Export Manifest (Canadian)	

26	Vessel Consignment In-Transit Manifest (Canadian)
27	Rail Import Manifest (Canadian)
28	Rail Export Manifest (Canadian)
29	Rail In-Transit Manifest (Canadian)
30	House Bill of Lading (Canada)
31	Re-Manifest Manifest (Canadian)
32	Abstract Bill of Lading (Canada)
33	Rail Consignment Import
34	Rail Consignment Export
35	Rail Consignment In-Transit
36	Rail Manifest
37	Highway Import
38	Highway Export
39	Highway In-Transit
40	Highway Consignment Import
41	Highway Consignment Export
42	Highway Consignment In-Transit
43	Air Import
44	Air Export
45	Air In-Transit
46	Air Consignment Import
47	Air Consignment Export
48	Air Consignment In-Transit
AN	Arrival Notice
AT	Appointment
BD	Financial Institution Account Statement
BF	New Code Added by IC
	[2-14] [Migration Code] Broker Files
BG	Government Bill of Lading
BH	Privately Owned Personal Property Bill of Lading A Government bill of lading used to request movement and storage services for Government sponsored personal property shipments
BL	Bill of Lading
BN	Booking
BR	Accounts Reconciliation
BT	Balance and Transaction Reporting
CD	Consolidator's Invoice
CF	Controlled Disbursement Funding
CI	Commercial Invoice
CL	Cash Letter
CO	Consolidation
DL	Deposit List
DO	Delivery Order
DT	Depository Transfer
EP	Electronic Presentments
FA	Full Account Reconciliation
FR	Freight Tender A tender of rates for services provided by a commercial carrier to move all classifications of Government freight other than personal property shipments
HR	Personal Property Tender

	A tender of rates offered by a carrier for the movement and/or storage of Government sponsored personal property shipments
IS	Transportation Control Movement Document (TCMD)
LB	Lockbox Summary
LS	Load Summary
LT	Load Tender - Truckload (TL) Carrier Only Used by a shipper to inform carrier that a particular load is available or becoming available for movement; also signifies an advance pick-up notification
MF	Manifest
PC	Partial Load Tender, Carrier Consolidate
PI	Pro Forma Invoice
PL	Paid List (All Debits)
PP	Point to Point Rate Application
PS	Partial Load Tender, Shipper Consolidate
R1	Simulation of Single Shipment Less Release Units (U.S. Department of Defense)
R2	Simulation of Consolidation of Vans, Trailers, or Pallets (U.S. Department of Defense)
R3	Simulation of Consolidation of Packaging Containers (U.S. Department of Defense)
R4	Simulation of Multiple Level Consolidation (U.S. Department of Defense)
RD	Deposit Reconciliation
RO	Reassociation Report
RP	Partial Account Reconciliation
RQ	Simulation Single Shipment Release Unit (U.S. Department of Defense)
RR	Range Reconciliation
RS	Scale Rate Application
S1	Single Package Shipment Status
S2	Multiple Package Shipment Status
SI	Single Shipment Invoice
SL	Shipper's Letter of Instruction Used by a shipper to inform recipient of documentation requirements (completion, preparation, and distribution of paperwork) required for the movement of goods
SP	Multiple Shipment Invoice
SS	Single Shipment Status
T1	Single Shipment Less Release Units (U.S. Department of Defense)
T2	Consolidation of Vans, Trailers, or Pallets (U.S. Department of Defense)
T3	Consolidation of Packaging Containers (U.S. Department of Defense)
T4	Multiple Level Consolidation (U.S. Department of Defense)
TF	Trailer Forecast
TG	Government Guaranteed Traffic Tender
TM	Trailer Manifest
TQ	Single Shipment Release Unit (U.S. Department of Defense)
ZZ	Mutually Defined

**Segment:** **N9** Reference Identification  
**Position:** 060  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 30  
**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier  
**Syntax Notes:**

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

**Comments:**  
**Notes:**

[3] N9 SEGMENT - Carrier Waybill/PRO Number  
SEGMENT CONDITION: Use when Carrier Waybill/PRO Number is available.  
[4] N9 SEGMENT - Carrier Pickup Number  
SEGMENT CONDITION: Use when Carrier Pickup Number is available.  
[5] N9 SEGMENT - Credit Card Number  
SEGMENT CONDITION: Use this segment if the shipper is following credit card procedures to pay the carrier.  
[6] N9 SEGMENT - Contract Number  
SEGMENT CONDITION: Use when a Contract Number is applicable.  
[7] N9 SEGMENT - Carrier Data  
SEGMENT CONDITION: Use when transmission of Carrier Data is needed.

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	N901	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		[3-01] Reference Number Qualifier	
		[4-01] Reference Number Qualifier	
		[5-01] Reference Number Qualifier	
		[6-01] Contract Number Qualifier	
		[7-01] Carrier Data Qualifier	
		AW Air Waybill Number	
		[7-01] Air Waybill Number	
		Use 'AW' to denote Tracking Number Qualifier	
		BA Retirement Plan Policy Number	
		[7-01] Retirement Plan Policy Number	
		Use 'BA' to denote Bill To Account Number Qualifier	
		BT Batch Number	
		[7-01] Batch Number	
		CB Combined Shipment	
		[7-01] Combined Shipment	
		CN Carrier's Reference Number (PRO/Invoice)	
		[3-01] Carrier's Reference Number (PRO/Invoice)	
		CT Contract Number	
		[6-01] Contract Number	
		DV Diversion Authority Number	
		[7-01] Diversion Authority Number	
		Use 'DV' to denote Declared Value Qualifier	
		E4 Charge Card Number	
		[5-01] Charge Card Number	

ED	Export Declaration [7-01] Export Declaration Use 'ED' to denote TAC Code Qualifier
GL	Geographic Destination Zone Number [7-01] Geographic Destination Zone Number
HT	Code of Federal Regulations [7-01] Code of Federal Regulations Use 'HT' to denote Height Qualifier
L1	Letters or Notes [7-01] Letters or Notes Use 'L1' to denote Product Qualifier
LN	Non pickup Limited Tariff Number [7-01] Non pickup Limited Tariff Number Use 'LN' to denote Length Qualifier
MG	Meter Number [7-01] Meter Number
P8	Pickup Reference Number [4-01] Pickup Reference Number [7-01] Pickup Reference Number
PQ	Payee Identification [7-01] Payee Identification
PR	Price Quote Number [7-01] Price Quote Number Use 'PR' to denote Pickup record number qualifier
QY	Service Performed Code Number indicating the type of service performed to repair a product [7-01] Service Performed Code
RN	Run Number [7-01] Run Number
SI	Shipper's Identifying Number for Shipment (SID) A unique number (to the shipper) assigned by the shipper to identify the shipment [7-01] Shipper's Identifying Number for Shipment (SID) Use 'SI' to denote Shippers Identifying Number
SV	Service Charge Number [7-01] Service Charge Number Use 'SV' to denote Service Level Qualifier
TG	Transportation Control Number (TCN) [7-01] Transportation Control Number (TCN) Use 'TG' to denote TCN Number Qualifier
WD	Review Period Number An indicator representing the period of time before which an action will occur [7-01] Review Period Number Use 'WD' to denote Width Qualifier
WY	Waybill Number [3-01] Waybill Number
ZZ	Mutually Defined [7-01] Mutually Defined Use 'ZZ' to denote Shipper's Reference Number Qualifier

>>	N902	127	<b>Reference Identification</b>	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			[3-02] Carrier Waybill/PRO Number		
			[4-02] Carrier Pickup Number		
			[5-02] Credit Card Number		
			The credit card account number owned by the shipper. That card number is used by the carrier to bill the shipper's paying activity.		
			[6-02] Contract Number		
			Contract number used for invoicing purposes		
			[7-02] Carrier Data		
X	N903	369	<b>Free-form Description</b>	X	AN 1/45
			Free-form descriptive text		
X	N904	373	<b>Date</b>	O	DT 8/8
			Date expressed as CCYYMMDD		
X	N905	337	<b>Time</b>	X	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
X	N906	623	<b>Time Code</b>	O	ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values.		
X	N907	C040	<b>Reference Identifier</b>	O	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
X	C04001	128	<b>Reference Identification Qualifier</b>	M	ID 2/3
			Code qualifying the Reference Identification		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	C04002	127	<b>Reference Identification</b>	M	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
X	C04003	128	<b>Reference Identification Qualifier</b>	X	ID 2/3
			Code qualifying the Reference Identification		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	C04004	127	<b>Reference Identification</b>	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
X	C04005	128	<b>Reference Identification Qualifier</b>	X	ID 2/3
			Code qualifying the Reference Identification		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	C04006	127	<b>Reference Identification</b>	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

**Segment:** **C3** Currency  
**Position:** 090  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the currency being used in the transaction set  
**Syntax Notes:**  
**Semantic Notes:**

- 1 C301 is the billing currency.
- 2 C303 is the payment currency.
- 3 C304 is the rated currency.

**Comments:**

- 1 Currency is implied by the code for the country in whose currency the monetary amounts are specified.

**Notes:** [8] C3 SEGMENT - Currency Code  
This segment indicates the currency used for the bill of lading.  
SEGMENT CONDITION: The segment is not required, and will not be used, when currency is in U.S. Dollars.

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	C301	100 Currency Code	M ID 3/3
		Code (Standard ISO) for country in whose currency the charges are specified	
		[8-01] Currency Code	
		Data element C301 indicates a particular country's/region's currency used for all items on the Bill of Lading. (For example, the code value for EURO dollars is 'EUR'.) Other appropriate currency code values from the ISO 4217 table may be found on the web at: <a href="http://www.iso.org/iso/en/prods-services/popstds/currencycodeslist.html">http://www.iso.org/iso/en/prods-services/popstds/currencycodeslist.html</a> . 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 <a href="http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm">http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm</a> . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	
X	C302	280 Exchange Rate	O R 4/10
		Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	
X	C303	100 Currency Code	O ID 3/3
		Code (Standard ISO) for country in whose currency the charges are specified	
X	C304	100 Currency Code	O ID 3/3
		Code (Standard ISO) for country in whose currency the charges are specified	

**Segment:** **G62** Date/Time  
**Position:** 110  
**Loop:**  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 10  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:**

- 1 At least one of G6201 or G6203 is required.
- 2 If either G6201 or G6202 is present, then the other is required.
- 3 If either G6203 or G6204 is present, then the other is required.

**Semantic Notes:**  
**Comments:**

**Notes:** [9] G62 SEGMENT - Required Delivery Date (RDD)  
 [10] G62 SEGMENT - Carrier Pickup Date  
 [11] G62 SEGMENT - Bill Prepared Date

**Data Element Summary**

Ref.	Data Element	Name	Attributes
>>	<b>G6201</b>	<b>432 Date Qualifier</b>	<b>X ID 2/2</b>
		Code specifying type of date	
		[9-01] Date Qualifier	
		[10-01] Date Qualifier	
		[11-01] Date Qualifier	
		54 Deliver No Later Than Date	
		[9-01] Deliver No Later Than Date	
		76 Bill of Lading	
		[11-01] Bill of Lading	
		86 Actual Pickup Date	
		[10-01] Actual Pickup Date	
>>	<b>G6202</b>	<b>373 Date</b>	<b>X DT 8/8</b>
		Date expressed as CCYYMMDD	
		[9-02] Required Delivery	
		Latest date the shipment is expected to be delivered. Use CCYYMMDD format.	
		[10-02] Carrier Pickup Date	
		Date shipment is picked up from the shipper by the carrier. Use CCYYMMDD format.	
		[11-02] Bill of Lading Prepared Date	
		Date shipment is prepared by the shipper. Use CCYYMMDD format.	
	<b>G6203</b>	<b>176 Time Qualifier</b>	<b>X ID 1/2</b>
		Code specifying the reported time	
		[9-03] Time Qualifier	
		[10-03] Time Qualifier	
		CHANGE NOTE: Requirement attribute changed to CONDITIONAL per DM 895.	
		4 Pickup Requested Scheduled Time	
		[9-03] Pickup Requested Scheduled Time	
		8 Actual Pickup Time	
		[10-03] Actual Pickup Time	

	<b>G6204</b>	<b>337</b>	<b>Time</b>	<b>X</b>	<b>TM 4/8</b>
			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)		
			[9-04] Delivery Time Latest time the shipment is expected to be delivered. Use HHMM format.		
			[10-04] Carrier Pickup Time Time shipment is picked up from the shipper by the carrier. Use HHMM format.		
			CHANGE NOTE: Requirement attribute changed to CONDITIONAL per DM 895.		
<b>X</b>	<b>G6205</b>	<b>623</b>	<b>Time Code</b>	<b>O</b>	<b>ID 2/2</b>
			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 Refer to 004010 Data Element Dictionary for acceptable code values.		

**Segment:** **N1** Name  
**Position:** 390  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
2 If either N103 or N104 is present, then the other is required.

**Semantic Notes:**  
**Comments:** 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
2 N105 and N106 further define the type of entity in N101.

**Notes:** [12] N1 SEGMENT - Destination Begins destination identifier loop. This loop calls for an N1, N2, N3, N4, and PER segments.  
LOOP CONDITION: Required to accommodate the MRM 15 direction to use PowerTrack for small package/express shipments either this destination identifier loop or the one in Table 2 must appear.  
[17] N1 SEGMENT - Origin Begins origin identifier loop. This loop calls for an N1, N2, N3, N4, and REF segments.  
[22] N1 SEGMENT - Party to Receive Carrier's Invoice Begins loop. This loop calls for a single N1 segment.  
[24] N1 SEGMENT - Bill Charges To Begins Bill Charges To loop. This loop calls for a single N1 segment. It identifies the customer who is ultimately responsible for paying the transportation cost.  
LOOP CONDITION: Use when applicable.  
[25] N1 SEGMENT - Hold at Location Address  
LOOP CONDITION: Use when Hold at Location Address is applicable.  
[29] N1 SEGMENT - Issuing Office GBLOC  
LOOP CONDITION: Use when Issuing Office GBLOC is available.

### Data Element Summary

Ref.	Data Element	Name	Attributes
M	N101	Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		[12-01] Destination Qualifier	
		[17-01] Origin Qualifier	
		[22-01] Party to Receive Carrier's Invoice Qualifier	
		[24-01] Payer Identifier Code	
		[25-01] Hold at Location Qualifier	
		[29-01] Issuing Office Qualifier	
	BT	Bill-to-Party	
		[24-01] Bill-to-Party	
	IU	Issuer	
		[29-01] Issuer	
	PO	Party to Receive Invoice for Goods or Services	
		[22-01] Party to Receive Invoice for Goods or Services	
	SF	Ship From	
		[17-01] Ship From	
	ST	Ship To	
		[12-01] Ship To	
	WD	Storage Facility at Destination	
		A storage facility located in the geographic vicinity of a destination location	
		[25-01] Storage Facility at Destination	

>>	<b>N102</b>	<b>93</b>	<b>Name</b>	<b>X</b>	<b>AN 1/60</b>
			Free-form name		
			[12-02] Destination Name Name of party responsible for receiving delivery of the shipment.		
			[17-02] Origin Name		
			[25-02] Hold at Location Name		
			[29-02] Issuing Office Name		
>>	<b>N103</b>	<b>66</b>	<b>Identification Code Qualifier</b>	<b>X</b>	<b>ID 1/2</b>
			Code designating the system/method of code structure used for Identification Code (67)		
			[12-03] DoDAAC/CAGE Qualifier		
			[17-03] DoDAAC/CAGE Qualifier		
			[22-03] Identification Code Qualifier		
			[24-03] Payer Account Number Qualifier		
			[29-03] Issuing Office GBLOC Qualifier		
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
			[22-03] D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
			Use '9' to denote D-U-N-S+4		
		10	Department of Defense Activity Address Code (DODAAC)		
			[12-03] Department of Defense Activity Address Code (DODAAC)		
			[17-03] Department of Defense Activity Address Code (DODAAC)		
			[22-03] Department of Defense Activity Address Code (DODAAC)		
		25	Carrier's Customer Code		
			[24-03] Carrier's Customer Code		
		27	Government Bill Of Lading Office Code (GBLOC)		
			[29-03] Government Bill Of Lading Office Code (GBLOC)		
		33	Commercial and Government Entity (CAGE)		
			[12-03] Commercial and Government Entity (CAGE)		
			[17-03] Commercial and Government Entity (CAGE)		
>>	<b>N104</b>	<b>67</b>	<b>Identification Code</b>	<b>X</b>	<b>AN 2/80</b>
			Code identifying a party or other code		
			[12-04] Destination DoDAAC or CAGE		
			Code that identifies the activity responsible for receiving delivery of the shipment. (Use 5 or 6 characters.)		
			[17-04] Origin DoDAAC or CAGE		
			Identification code of the responsible activity at the pickup location.		
			[22-04] Bill Charges To Organization Identification Number		
			DoDAAC or DUNS+4 number that identifies the party to receive the invoice. If the origination identification number is other than DoDAAC or DUNS, it should be specified in the trading partner agreement.		
			[24-04] Payer Account Number		
			The format of payer account number should be specified in the trading partner agreement.		
			[29-04] Issuing Office GBLOC		
<b>X</b>	<b>N105</b>	<b>706</b>	<b>Entity Relationship Code</b>	<b>O</b>	<b>ID 2/2</b>
			Code describing entity relationship		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
<b>X</b>	<b>N106</b>	<b>98</b>	<b>Entity Identifier Code</b>	<b>O</b>	<b>ID 2/3</b>
			Code identifying an organizational entity, a physical location, property or an individual		
			Refer to 004010 Data Element Dictionary for acceptable code values.		

**Segment:** **N2 Additional Name Information**  
**Position:** 400  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify additional names or those longer than 35 characters in length  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

[13] N2 SEGMENT - Destination  
 SEGMENT CONDITION: Required to accommodate the MRM 15 direction to use PowerTrack for small package/express shipments either this destination segment or the one in Table 2 must appear.  
 [18] N2 SEGMENT - Origin  
 SEGMENT CONDITION: Use when Origin Additional Name is needed.  
 [23] N2 SEGMENT - Additional Name  
 SEGMENT CONDITION: Use when Additional Name is needed.

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element</b>	<b>Name</b>	
M	N201	93	Name	M AN 1/60
			Free-form name	
			[13-01] Destination Additional Name	
			[18-01] Origin Additional Name	
			[23-01] Additional Name	
	N202	93	Name	O AN 1/60
			Free-form name	
			[23-02] Additional Name	

**Segment:** N3 Address Information  
**Position:** 410  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

[14] N3 SEGMENT - Destination  
 SEGMENT CONDITION: Required to accommodate the MRM 15 direction to use PowerTrack for small package/express shipments either this destination segment or the one in Table 2 must appear.  
 [19] N3 SEGMENT - Origin  
 SEGMENT CONDITION: Use when Origin Street Address is needed.  
 [26] N3 SEGMENT - Hold at Location Street Address  
 SEGMENT CONDITION: Use when Hold at Location Street Address is applicable.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	N301	166	Address Information	M AN 1/55
			Address information	
			[14-01] Destination Street	
			[19-01] Origin Street	
			[26-01] Hold at Location Street Address	
	N302	166	Address Information	O AN 1/55
			Address information	
			[14-02] Destination Street Additional	
			[19-02] Origin Street Additional	

**Segment:** **N4 Geographic Location**  
**Position:** 420  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1 If N406 is present, then N405 is required.  
**Semantic Notes:**  
**Comments:** 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.  
 2 N402 is required only if city name (N401) is in the U.S. or Canada.  
**Notes:** [15] N4 SEGMENT - Destination City, State/Province, ZIP/Postal Code, and Country  
 SEGMENT CONDITION: Required to accommodate the MRM 15 direction to use PowerTrack for small package/express shipments either this destination segment or the one in Table 2 must appear.  
 [20] N4 SEGMENT - Origin City, State/Province, ZIP/Postal Code, and Country  
 SEGMENT CONDITION: Use when Origin City, State/Province, ZIP/Postal Code, and Country is needed.  
 [27] N4 SEGMENT - Hold at Location City, State/Province, ZIP/Postal Code, and Country  
 SEGMENT CONDITION: Use when Hold at Location City, State/Province, ZIP/Postal Code, and Country is applicable.

#### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	N401	19	City Name Free-form text for city name [15-01] Destination City [20-01] Origin City [27-01] Hold at Location City Name
>>	N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency [15-02] Destination State/Province Code SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center [20-02] Origin State/Province Code SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center [27-02] Hold at Location State/Province Code SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center
>>	N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States) [15-03] Destination Zip/Postal Code ELEMENT CONDITION: If a postal code exists, it is required. 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 [20-03] Origin Zip/Postal Code ELEMENT CONDITION: If a postal code exists, it is required. 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 [27-03] Hold at Location Zip/Postal Code SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual

	<b>N404</b>	<b>26</b>	<b>Country Code</b>	<b>O ID 2/3</b>
			Code identifying the country	
			[15-04] Destination Country Code	
			ELEMENT CONDITION: When the shipment moves from CONUS-to-CONUS or OCONUS-to-OCONUS, use the two- or three-character abbreviation code for the country where delivery will occur.	
			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 <a href="http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm">http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm</a> . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	
			[20-04] Origin Country Code	
			ELEMENT CONDITION: When the shipment moves from CONUS-to-CONUS or OCONUS-to-OCONUS, use the two- or three-character abbreviation code for the country where delivery will occur.	
			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 <a href="http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm">http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm</a> . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	
			[27-04] Hold at Location Country Code	
			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 <a href="http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm">http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm</a> . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	
<b>X</b>	<b>N405</b>	<b>309</b>	<b>Location Qualifier</b>	<b>X ID 1/2</b>
			Code identifying type of location	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>X</b>	<b>N406</b>	<b>310</b>	<b>Location Identifier</b>	<b>O AN 1/30</b>
			Code which identifies a specific location	

**Segment:** **REF** Reference Identification  
**Position:** 430  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify identifying information  
**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

- 1 REF04 contains data relating to the value cited in REF02.

**Comments:**  
**Notes:** [21] REF SEGMENT - Carrier Origin Code  
 SEGMENT CONDITION: Use when Carrier Origin Code is available.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification [21-01] Reference Identification Qualifier 4B Shipment Origin Code [21-01] Shipment Origin Code	M ID 2/3
>>	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier [21-02] Carrier Origin Code Carrier assigned number representing pickup location.	X AN 1/30
X	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content	X AN 1/80
X	REF04	C040	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
X	C04001	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/3
X	C04002	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
X	C04003	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/3
X	C04004	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
X	C04005	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/3
X	C04006	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

**Segment:** **PER Administrative Communications Contact**  
**Position:** 440  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:**

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

[16] PER SEGMENT - Destination Contact  
 SEGMENT CONDITION: Provide when applicable. Not always available for DLA shipments.  
 [28] PER SEGMENT - Hold at Location Contact  
 SEGMENT CONDITION: Use when Hold at Location Contact is applicable.

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named [16-01] Contact Function Code [28-01] Hold at Location Contact Qualifier CN General Contact [28-01] General Contact EM Emergency Contact [16-01] Emergency Contact	M ID 2/2
X	PER02	93	<b>Name</b> Free-form name	O AN 1/60
>>	PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number [16-03] Communication Number Qualifier [28-03] Hold at Location Contact Commercial Phone Qualifier TE Telephone [16-03] Telephone [28-03] Telephone	X ID 2/2
>>	PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable [16-04] Destination Contact Phone Number The commercial phone number (Not FTS or DSN) of the party responsible for receiving delivery of the shipment. [28-04] Hold at Location Contact Commercial Phone Number	X AN 1/80
X	PER05	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
X	PER06	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X AN 1/80
X	PER07	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2

<b>X</b>	<b>PER08</b>	<b>364</b>	<b>Communication Number</b>	<b>X</b>	<b>AN 1/80</b>
			Complete communications number including country or area code when applicable		
<b>X</b>	<b>PER09</b>	<b>443</b>	<b>Contact Inquiry Reference</b>	<b>O</b>	<b>AN 1/20</b>
			Additional reference number or description to clarify a contact number		

**Segment:** **FA1** Type of Financial Accounting Data  
**Position:** 550  
**Loop:** FA1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify the organization controlling the content of the accounting citation, and the purpose associated with the accounting citation

**Syntax Notes:**  
**Semantic Notes:** 1 FA101 Identifies the organization controlling the assignment of financial accounting information.  
 2 FA102 Identifies the purpose of the accounting allowance or charge information.

**Comments:**  
**Notes:**

[30] FA1 SEGMENT - Appropriation Number  
 SEGMENT CONDITION: REQUIRED except when transmitting data to carriers. Carriers do not need to receive appropriation data. Begins the Appropriation Number loop. This contains the FA1 and FA2 segments. Shipper systems that are capable of receiving, storing, and sending structured DoD appropriation numbers may use this loop to exchange those numbers with trading partners.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	FA101	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values [30-01] Agency Qualifier Code	M ID 2/2
			DF Department of Defense (DoD) [30-01] Department of Defense (DoD)	
			DN Department of the Navy [30-01] Department of the Navy	
			DX United States Marine Corps [30-01] United States Marine Corps	
			DY Department of Air Force [30-01] Department of Air Force	
			DZ Department of Army [30-01] Department of Army	
X	FA102	1300	<b>Service, Promotion, Allowance, or Charge Code</b> Code identifying the service, promotion, allowance, or charge	O ID 4/4
X	FA103	248	<b>Allowance or Charge Indicator</b> Code which indicates an allowance or charge for the service specified Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1

**Segment:** **FA2 Accounting Data**  
**Position:** 560  
**Loop:** FA1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** >1  
**Purpose:** To specify the detailed accounting data  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** [31] FA2 SEGMENT - Appropriation Number

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element</b>		
M	FA201	<b>1196 Breakdown Structure Detail Code</b>	<b>M ID 2/2</b>
		Codes identifying details relating to a reporting breakdown structure tree	
		[31-01] Breakdown Structure Detail Code	
		84	Total Direct Costs
			[31-01] Total Direct Costs
		A1	Department Indicator
			[31-01] Department Indicator
		A2	Transfer from Department
			[31-01] Transfer from Department
		A3	Fiscal Year Indicator
			[31-01] Fiscal Year Indicator
		A4	Basic Symbol Number
			[31-01] Basic Symbol Number
		A5	Sub-class
			[31-01] Sub-class
		A6	Sub-Account Symbol
			[31-01] Sub-Account Symbol
		AT	Air Force Transportation Account Code (ATAC)
			[31-01] Air Force Transportation Account Code (ATAC)
		B1	Budget Activity Number
			[31-01] Budget Activity Number
		B2	Budget Sub-activity Number
			[31-01] Budget Sub-activity Number
		B3	Budget Program Activity
			[31-01] Budget Program Activity
		C1	Program Element
			[31-01] Program Element
		C2	Project Task or Budget Subline
			[31-01] Project Task or Budget Subline
		D1	Defense Agency Allocation Recipient
			[31-01] Defense Agency Allocation Recipient
		D4	Component Sub-allocation Recipient
			[31-01] Component Sub-allocation Recipient
		D6	Sub-allotment Recipient
			[31-01] Sub-allotment Recipient
		D7	Work Center Recipient
			[31-01] Work Center Recipient



**Segment:** **HL Hierarchical Level**  
**Position:** 010  
**Loop:** HL Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify dependencies among and the content of hierarchically related groups of data segments

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

- 1 The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.  
The HL segment defines a top-down/left-right ordered structure.
- 2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
- 3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
- 4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
- 5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

**Notes:**

[32] HL SEGMENT - Item Description Loop Begins Package Description loop. This loop calls for an HL, N9, L5, L0, L1, and LH segments. This loop occurs once for each package in the shipment.  
 [53] HL SEGMENT - Accessorial Service Description Loop Begins Accessorial Service Level loop. This loop calls for an HL, L0, and L1 segments. This loop occurs once for each accessorial service that applies to the shipment.  
 LOOP CONDITION: Use this loop when Accessorial Service applies

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	HL01	628	<b>Hierarchical ID Number</b> A unique number assigned by the sender to identify a particular data segment in a hierarchical structure [32-01] Hierarchical ID Number A sequential number assigned by the shipper's application system. [53-01] Hierarchical ID Number A sequential number assigned by the shipper's application system.	<b>M AN 1/12</b>
X	HL02	734	<b>Hierarchical Parent ID Number</b> Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	<b>O AN 1/12</b>

<b>M</b>	<b>HL03</b>	<b>735</b>	<b>Hierarchical Level Code</b>	<b>M ID 1/2</b>
			Code defining the characteristic of a level in a hierarchical structure	
			[32-03] Hierarchical Level Code	
			Qualifier identifying that all information within this HL loop corresponds to line item (package) details.	
			[53-03] Hierarchical Level Code	
		9	Line Detail	
			Code identifying the supporting detail associated with the charge or group	
			[32-03] Line Detail	
		SS	Services	
			[53-03] Services	
<b>X</b>	<b>HL04</b>	<b>736</b>	<b>Hierarchical Child Code</b>	<b>O ID 1/1</b>
			Code indicating if there are hierarchical child data segments subordinate to the level being described	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

**Segment:** SL1 **Tariff Reference**  
**Position:** 095  
**Loop:** HL Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To reference details of the tariff used to arrive at applicable rates or charges for customer-requested service  
**Syntax Notes:** 1 At least one of SL103 or SL104 is required.  
**Semantic Notes:** 1 SL101 is the service requested by the customer.  
2 SL105 is the effective date.  
3 SL106 is the service provided by the carrier.  
**Comments:** 1 Scale and commodity codes are proprietary codes maintained by the carrier.  
**Notes:** [33] SL1 SEGMENT - Level of Service  
SEGMENT CONDITION: Use for DLA Level of Service, when applicable.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	SL101	284	<b>Service Level Code</b> Code indicating the level of transportation service or the billing service offered by the transportation carrier [33-01] Service Level Code	M ID 2/2
			ON Overnight [33-01] Overnight	
			SC Second Day Air Delivery during business day hours no later than second business day [33-01] Second Day Air	
			SE Second Day [33-01] Second Day	
			SG Standard Ground [33-01] Standard Ground	
			SH Second Day Hundred Weight [33-01] Second Day Hundred Weight	
X	SL102	171	<b>Tariff Number</b> Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	O AN 1/7
>>	SL103	22	<b>Commodity Code</b> Code describing a commodity or group of commodities [33-03] Commodity Code	X AN 1/30
			0 New Code Added by IC [33-03] Entered to satisfy X12 syntax	
X	SL104	320	<b>Scale</b> A carrier-maintained reference used to further identify a schedule of rates within a tariff	X AN 1/10
X	SL105	373	<b>Date</b> Date expressed as CCYYMMDD	O DT 8/8
X	SL106	284	<b>Service Level Code</b> Code indicating the level of transportation service or the billing service offered by the transportation carrier Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
X	SL107	146	<b>Shipment Method of Payment</b> Code identifying payment terms for transportation charges Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2

<b>X</b>	<b>SL108</b>	<b>982</b>	<b>Data Source Code</b>	<b>O ID 2/2</b>
			Code identifying source of data Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>X</b>	<b>SL109</b>	<b>210</b>	<b>International/Domestic Code</b>	<b>O ID 1/1</b>
			Code indicating international or domestic shipment Refer to 004010 Data Element Dictionary for acceptable code values.	

**Segment:** **N9 Reference Identification**  
**Position:** 100  
**Loop:** HL Mandatory  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 10  
**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier  
**Syntax Notes:**

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

**Comments:**  
**Notes:**

[34] N9 SEGMENT - TCN  
[35] N9 SEGMENT - Project Code  
SEGMENT CONDITION: Use when Project Code is applicable  
[36] N9 SEGMENT - Carrier Tracking Number  
SEGMENT CONDITION: Use when Carrier Tracking Number is applicable.  
[37] N9 SEGMENT - Package Aggregation Number  
SEGMENT CONDITION: Use this segment when aggregating packages is required.  
[38] N9 SEGMENT - Rate Code Number  
SEGMENT CONDITION: Use when Rate Code Number is applicable.  
[39] N9 SEGMENT - DoD Identification Code (DoDIC)  
SEGMENT CONDITION: Required for DTTS if the hazardous shipment contains ammunition.  
[40] N9 SEGMENT - National Stock Number  
SEGMENT CONDITION: Use when a National Stock Number is applicable  
[41] N9 SEGMENT - Part Number  
SEGMENT CONDITION: Use when a Part Number is applicable

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	<b>N901</b>	<b>Reference Identification Qualifier</b>	<b>M ID 2/3</b>
	<b>128</b>	Code qualifying the Reference Identification	
		[34-01] Reference Identification Qualifier	
		[35-01] Reference Identification Qualifier	
		[36-01] Reference Number Qualifier	
		[37-01] Reference Number Qualifier	
		[38-01] Reference Number Qualifier	
		[39-01] DoDIC Qualifier	
		[40-01] National Stock Number Qualifier	
		[41-01] Part Number Qualifier	
	08	Carrier Assigned Package Identification Number A reference number assigned by a carrier to uniquely identify a single package	
		[36-01] Carrier Assigned Package Identification Number	
	1I	Department of Defense Identification Code (DoDIC) Qualifies a code that uniquely identifies a type of explosive or ammunition	
		[39-01] Department of Defense Identification Code (DoDIC)	
	BT	Batch Number	
		[37-01] Batch Number	
	MF	Manufacturers Part Number	
		[41-01] Manufacturers Part Number Use 'MF' to denote Part Number	

			NS	National Stock Number [40-01] National Stock Number	
			P4	Project Code [35-01] Project Code	
			RB	Rate code number [38-01] Rate code number	
			TG	Transportation Control Number (TCN) [34-01] Transportation Control Number (TCN)	
>>	<b>N902</b>	<b>127</b>	<b>Reference Identification</b>		<b>X AN 1/30</b>
				Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier [34-02] Transportation Control Number A DoD unique number identifying a shipment. [35-02] Project Code [36-02] Carrier Tracking Number Carrier assigned shipment identification number. [37-02] Package Aggregation Number Identifies multiple packages going to the same recipient using the same type of service. [38-02] Rate Code Number Identifies the system used to rate the shipment. [39-02] DoDIC MANDATORY for all ammunition and explosives. Also called Navy Ammunition Logistics Code (NALC). [40-02] National Stock Number National Stock Number used for transportation purposes [41-02] Part Number Part Number used for transportation purposes.	
			1	New Code Added by IC [38-02] Rated by Shipper System	
			2	New Code Added by IC [38-02] Rated by Carrier System	
			3	New Code Added by IC [38-02] Rated for Transport of Repair or Return Packages	
<b>X</b>	<b>N903</b>	<b>369</b>	<b>Free-form Description</b>		<b>X AN 1/45</b>
				Free-form descriptive text	
<b>X</b>	<b>N904</b>	<b>373</b>	<b>Date</b>		<b>O DT 8/8</b>
				Date expressed as CCYYMMDD	
<b>X</b>	<b>N905</b>	<b>337</b>	<b>Time</b>		<b>X TM 4/8</b>
				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)	
<b>X</b>	<b>N906</b>	<b>623</b>	<b>Time Code</b>		<b>O ID 2/2</b>
				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 Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>X</b>	<b>N907</b>	<b>C040</b>	<b>Reference Identifier</b>		<b>O</b>
				To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	

X	C04001	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	M	ID 2/3
X	C04002	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN 1/30
X	C04003	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	X	ID 2/3
X	C04004	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30
X	C04005	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	X	ID 2/3
X	C04006	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30

**Segment:** **L5** Description, Marks and Numbers  
**Position:** 130  
**Loop:** HL Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify the line item in terms of description, quantity, packaging, and marks and numbers

**Syntax Notes:**  
**1** If either L503 or L504 is present, then the other is required.  
**2** If L507 is present, then L506 is required.  
**3** If either L508 or L509 is present, then the other is required.

**Semantic Notes:**

**Comments:** **1** L502 may be used to send quantity information as part of the product description.

**Notes:** [42] L5 SEGMENT - Item Description  
 SEGMENT CONDITION: Use when Item Description is applicable.

**Data Element Summary**

Ref.	Data Element	Name	Attributes
X	L501	213 Lading Line Item Number Sequential line number for a lading item	O N0 1/3
>>	L502	79 Lading Description Description of an item as required for rating and billing purposes [42-02] Item Description Clear text description of contents of package.	O AN 1/50
X	L503	22 Commodity Code Code describing a commodity or group of commodities	X AN 1/30
X	L504	23 Commodity Code Qualifier Code identifying the commodity coding system used for Commodity Code Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
X	L505	103 Packaging Code Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required Refer to 004010 Data Element Dictionary for acceptable code values.	O AN 3/5
X	L506	87 Marks and Numbers Marks and numbers used to identify a shipment or parts of a shipment	X AN 1/48
X	L507	88 Marks and Numbers Qualifier Code specifying the application or source of Marks and Numbers (87) Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/2
X	L508	23 Commodity Code Qualifier Code identifying the commodity coding system used for Commodity Code Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
X	L509	22 Commodity Code Code describing a commodity or group of commodities	X AN 1/30
X	L510	595 Compartment ID Code Code identifying the compartment in a compartmentalized tank car Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1

**Segment:** **L0** Line Item - Quantity and Weight  
**Position:** 145  
**Loop:** L0 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data

- Syntax Notes:**
- 1 If either L002 or L003 is present, then the other is required.
  - 2 If either L004 or L005 is present, then the other is required.
  - 3 If either L006 or L007 is present, then the other is required.
  - 4 If either L008 or L009 is present, then the other is required.
  - 5 If L011 is present, then L004 is required.
  - 6 If either L013 or L015 is present, then the other is required.

- Semantic Notes:**
- 1 L008 is the number of handling units of the line item tendered to the carrier.
  - 2 L013 can only be used if the code in L009 is PLT, SKD, or SLP.
  - 3 L015 designates whether the carrier will be required to verify the number of units contained on a pallet, slip sheet or skid. Code "Y" indicates that the carrier will be required to verify. Code "N" indicates that the carrier will not be required to verify.

- Comments:**
- 1 L013 is used to convey the total number of boxes, cartons, or pieces contained on a pallet, skid, or slip sheet for the line item.

**Notes:** [43] L0 SEGMENT - Actual Weight  
 [47] L0 SEGMENT - Dimensional Weight  
 Dimensional Weight is the chargeable weight computed on the basis of volume rather than actual weight.  
 LOOP CONDITION: Use when applicable.  
 [54] L0 SEGMENT - Accessorial Service

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
>>	L001	213 Lading Line Item Number	O N0 1/3
		Sequential line number for a lading item	
		[54-01] Lading Line Item Number	
		1 New Code Added by IC	
		[54-01] Entered to satisfy X12 syntax.	
X	L002	220 Billed/Rated-as Quantity	X R 1/11
		Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	
X	L003	221 Billed/Rated-as Qualifier	X ID 2/2
		Code identifying the type of quantity or value on which the rate or item pricing is based	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
>>	L004	81 Weight	X R 1/10
		Numeric value of weight	
		[43-04] Actual Weight	
		[47-04] Dimensional Weight	
		When applicable, dimensional weight shall be calculated using the following formula: Length x Width x Height divided by 166 equals dimensional weight (all measurements in inches).	

>>	<b>L005</b>	<b>187</b>	<b>Weight Qualifier</b>	<b>X</b>	<b>ID 1/2</b>
			Code defining the type of weight		
			[43-05] Weight Qualifier		
			[47-05] Weight Qualifier		
		A1	Dimensional Weight		
			[47-05] Dimensional Weight		
		FR	Freight Weight		
			[43-05] Freight Weight		
<b>X</b>	<b>L006</b>	<b>183</b>	<b>Volume</b>	<b>X</b>	<b>R 1/8</b>
			Value of volumetric measure		
<b>X</b>	<b>L007</b>	<b>184</b>	<b>Volume Unit Qualifier</b>	<b>X</b>	<b>ID 1/1</b>
			Code identifying the volume unit		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
<b>X</b>	<b>L008</b>	<b>80</b>	<b>Lading Quantity</b>	<b>X</b>	<b>N0 1/7</b>
			Number of units (pieces) of the lading commodity		
<b>X</b>	<b>L009</b>	<b>211</b>	<b>Packaging Form Code</b>	<b>X</b>	<b>ID 3/3</b>
			Code for packaging form of the lading quantity		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
<b>X</b>	<b>L010</b>	<b>458</b>	<b>Dunnage Description</b>	<b>O</b>	<b>AN 2/25</b>
			Material used to protect lading		
>>	<b>L011</b>	<b>188</b>	<b>Weight Unit Code</b>	<b>O</b>	<b>ID 1/1</b>
			Code specifying the weight unit		
			[43-11] Weight Unit Code		
			[47-11] Weight Unit Code		
		L	Pounds		
			[43-11] Pounds		
			[47-11] Pounds		
<b>X</b>	<b>L012</b>	<b>56</b>	<b>Type of Service Code</b>	<b>O</b>	<b>ID 2/2</b>
			Code specifying extent of transportation service requested		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
<b>X</b>	<b>L013</b>	<b>380</b>	<b>Quantity</b>	<b>X</b>	<b>R 1/15</b>
			Numeric value of quantity		
<b>X</b>	<b>L014</b>	<b>211</b>	<b>Packaging Form Code</b>	<b>O</b>	<b>ID 3/3</b>
			Code for packaging form of the lading quantity		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
<b>X</b>	<b>L015</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>X</b>	<b>ID 1/1</b>
			Code indicating a Yes or No condition or response		
			Refer to 004010 Data Element Dictionary for acceptable code values.		

**Segment:** **L1 Rate and Charges**  
**Position:** 150  
**Loop:** L0 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 20  
**Purpose:** To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements

**Syntax Notes:**  
**1** If either L102 or L103 is present, then the other is required.  
**2** At least one of L104 L105 or L106 is required.  
**3** If either L114 or L115 is present, then the other is required.  
**4** If either L117 or L118 is present, then the other is required.

**Semantic Notes:**  
**1** L119 is the percent used to determine the charge in L104.  
**2** L120, if used, indicates the currency for all monetary amounts in this L1 segment.  
**3** L121 is the origin rated as charge amount.

**Comments:**

**Notes:**  
 [44] L1 SEGMENT - Item Charges  
 [55] L1 SEGMENT - Accessorial Service Charge  
 SEGMENT CONDITION: Use when Accessorial Service Charge applies.  
 [56] L1 SEGMENT - Shipping Cost  
 SEGMENT CONDITION: Use when Shipping Cost applies to accessorial services.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
X	L101	213	<b>Lading Line Item Number</b> Sequential line number for a lading item	O N0 1/3
X	L102	60	<b>Freight Rate</b> Rate that applies to the specific commodity	X R 1/9
X	L103	122	<b>Rate/Value Qualifier</b> Code qualifying how to extend charges or interpret value Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
>>	L104	58	<b>Charge</b> For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified [44-04] Item Charge Provides transportation linehaul charges for shipment. Package aggregation and other discounts should be applied. [55-04] Service Charge The charge for an accessorial service. Use up to 9-digits with an implied decimal at the second position. [56-04] Shipping Cost	X N2 1/12
X	L105	191	<b>Advances</b> Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified	X N2 1/9
X	L106	117	<b>Prepaid Amount</b> Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified	X N2 1/9
X	L107	120	<b>Rate Combination Point Code</b> The code denoting the connecting station for a joint rate obtained by combining two or more published rates which are used for the calculation of transportation charges Refer to 004010 Data Element Dictionary for acceptable code values.	O AN 3/9

>>

**L108**

**150**

**Special Charge or Allowance Code**

**O ID 3/3**

Code identifying type of special charge or allowance

080	Air Transportation Charge
260	Delivery Surcharge
510	Offshore - Alaska/Hawaii
535	Pickup - Out of Area
645	Restricted Article Fee
665	Saturday Delivery
670	Saturday Pick-Up
690	Special Handling Service
COD	COD Amount
COL	Fee for Collecting COD Charge
CTG	Cartage Charge
EVC	Excessive Value Charge
FUE	Fuel Charge
HAZ	Hazardous Cargo Charge
HDG	Holding Charge
HMA	Accessible Hazardous Material
HMI	Inaccessible Hazardous Material
HOL	Sunday or Holiday Pick-up or Delivery
IDL	Inside Delivery

INC	Insurance Surcharge [55-08] Insurance Surcharge
IPU	Inside Pick-up [55-08] Inside Pick-up
LIE	Liability of Carrier Charge [55-08] Liability of Carrier Charge
NCH	Order Notify Charge [55-08] Order Notify Charge
NDA	New Code Added by IC [55-08] Next Day Air
OCP	New Code Added by IC [55-08] On Call Pickup
OUT	Out of Zone Pick-up or Delivery [55-08] Out of Zone Pick-up or Delivery Use 'OUT' to denote Delivery Out of Area
OVN	New Code Added by IC [55-08] Overnight
OVR	Over Dimension [55-08] Over Dimension Use 'OVR' to denote Oversized/Large Package
PDY	Pickup and Delivery Beyond Service Area Charge [55-08] Pickup and Delivery Beyond Service Area Charge
PMS	Pickup of Shipments Requiring Same Day Delivery Service Charge [55-08] Pickup of Shipments Requiring Same Day Delivery Service Charge
POD	Proof of Delivery [55-08] Proof of Delivery
PYS	Priority Service Charge [55-08] Priority Service Charge
RCC	Reconsignment Charge [55-08] Reconsignment Charge
REP	Residential Pick-up [55-08] Residential Pick-up Use 'REP' to denote Residential Pickup
RES	Residential Delivery [55-08] Residential Delivery
SAT	Saturday Pick-up or Delivery Charge [55-08] Saturday Pick-up or Delivery Charge
SCN	New Code Added by IC [55-08] Second Day
SDW	New Code Added by IC [55-08] Second Day Hundredweight
STG	New Code Added by IC [55-08] Standard Ground
ZZZ	Mutually Defined [55-08] Mutually Defined

X	L109	121	<b>Rate Class Code</b>	O ID 1/3
			Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k Refer to 004010 Data Element Dictionary for acceptable code values.	
X	L110	39	<b>Entitlement Code</b>	O ID 1/1
			Code identifying entitlement party Refer to 004010 Data Element Dictionary for acceptable code values.	
X	L111	16	<b>Charge Method of Payment</b>	O ID 1/1
			Code defining method of payment Refer to 004010 Data Element Dictionary for acceptable code values.	
X	L112	276	<b>Special Charge Description</b>	O AN 2/25
			Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150	
X	L113	257	<b>Tariff Application Code</b>	O ID 1/1
			Code indicating to which traffic a tariff applies Refer to 004010 Data Element Dictionary for acceptable code values.	
	L114	74	<b>Declared Value</b>	X N2 2/12
			Monetary assigned value expressed in the standard monetary denomination for the currency specified [44-14] Declared Value Value of the shipment as declared by the shipper for insurance purposes. Use up to 8-digits with an implied decimal at the second position.	
	L115	122	<b>Rate/Value Qualifier</b>	X ID 2/2
			Code qualifying how to extend charges or interpret value [44-15] Declared Value Units Qualifier PZ Per Package Charge [44-15] Per Package Charge	
X	L116	372	<b>Lading Liability Code</b>	O ID 1/1
			Code identifying limits of liability Refer to 004010 Data Element Dictionary for acceptable code values.	
X	L117	220	<b>Billed/Rated-as Quantity</b>	X R 1/11
			Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	
X	L118	221	<b>Billed/Rated-as Qualifier</b>	X ID 2/2
			Code identifying the type of quantity or value on which the rate or item pricing is based Refer to 004010 Data Element Dictionary for acceptable code values.	
X	L119	954	<b>Percent</b>	O R 1/10
			Percentage expressed as a decimal	
X	L120	100	<b>Currency Code</b>	O ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified	
X	L121	610	<b>Amount</b>	O N2 1/15
			Monetary amount	

**Segment:** **MEA** Measurements  
**Position:** 160  
**Loop:** L0 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)

- Syntax Notes:**
- 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
  - 2 If MEA05 is present, then MEA04 is required.
  - 3 If MEA06 is present, then MEA04 is required.
  - 4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
  - 5 Only one of MEA08 or MEA03 may be present.

**Semantic Notes:** 1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

**Comments:** 1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

**Notes:** [45] MEA SEGMENT - Line Item Value  
CHANGE NOTE: Segment condition changed per DM 1044.  
SEGMENT CONDITION: Declared value is required for all shipments that will be processed through a foreign host nation's customs and border clearance program.  
[46] MEA SEGMENT - Length, Height, Width  
SEGMENT CONDITION: All dimensions are required for all 3PL carrier shipments.

#### Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
X	MEA01	737	<b>Measurement Reference ID Code</b>	O ID 2/2
			Code identifying the broad category to which a measurement applies Refer to 004010 Data Element Dictionary for acceptable code values.	
>>	MEA02	738	<b>Measurement Qualifier</b>	O ID 1/3
			Code identifying a specific product or process characteristic to which a measurement applies [46-02] Measurement Qualifier	
			HT Height [46-02] Height	
			LN Length [46-02] Length	
			WD Width [46-02] Width	
>>	MEA03	739	<b>Measurement Value</b>	X R 1/20
			The value of the measurement [45-03] Line Item Value The value of the line item as reported on the Item Requisition and Receipt Data (IRRD) packing list. [46-03] Measurement	
>>	MEA04	C001	<b>Composite Unit of Measure</b>	X
			To identify a composite unit of measure (See Figures Appendix for examples of use) [45-04] Unit or Basis for Measurement Code The element separator is not used in this template. Its elements are concatenated together without using a delimiter. CHANGE NOTE: Requirement attribute corrected. [46-04] Composite Unit of Measure	

M	C00101	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken [45-04-01] Unit or Basis for Measurement Code [46-04-01] Unit or Basis for Measurement Code	M	ID 2/2
			DO Dollars, U.S. [45-04-01] Dollars, U.S.		
			IN Inch [46-04-01] Inch		
	C00102	1018	<b>Exponent</b> Power to which a unit is raised	O	R 1/15
	C00103	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O	R 1/10
	C00104	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	O	ID 2/2
	C00105	1018	<b>Exponent</b> Power to which a unit is raised	O	R 1/15
	C00106	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O	R 1/10
	C00107	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	O	ID 2/2
	C00108	1018	<b>Exponent</b> Power to which a unit is raised	O	R 1/15
	C00109	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O	R 1/10
	C00110	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	O	ID 2/2
	C00111	1018	<b>Exponent</b> Power to which a unit is raised	O	R 1/15
	C00112	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O	R 1/10
	C00113	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	O	ID 2/2
	C00114	1018	<b>Exponent</b> Power to which a unit is raised	O	R 1/15
	C00115	649	<b>Multiplier</b> Value to be used as a multiplier to obtain a new value	O	R 1/10
X	MEA05	740	<b>Range Minimum</b> The value specifying the minimum of the measurement range	X	R 1/20
X	MEA06	741	<b>Range Maximum</b> The value specifying the maximum of the measurement range	X	R 1/20

X	<b>MEA07</b>	<b>935</b>	<b>Measurement Significance Code</b> Code used to benchmark, qualify or further define a measurement value Refer to 004010 Data Element Dictionary for acceptable code values.	<b>O ID 2/2</b>
X	<b>MEA08</b>	<b>936</b>	<b>Measurement Attribute Code</b> Code used to express an attribute response when a numeric measurement value cannot be determined Refer to 004010 Data Element Dictionary for acceptable code values.	<b>X ID 2/2</b>
X	<b>MEA09</b>	<b>752</b>	<b>Surface/Layer/Position Code</b> Code indicating the product surface, layer or position that is being described Refer to 004010 Data Element Dictionary for acceptable code values.	<b>O ID 2/2</b>
X	<b>MEA10</b>	<b>1373</b>	<b>Measurement Method or Device</b> The method or device used to record the measurement Refer to 004010 Data Element Dictionary for acceptable code values.	<b>O ID 2/4</b>

**Segment:** **LH1** Hazardous Identification Information  
**Position:** 170  
**Loop:** LH1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the hazardous commodity identification reference number and quantity  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

- 1 LH101 and LH102 are used to convey the number and type of packages for bulk and nonbulk movements.
- 2 LH106 and LH107 are used to convey the quantity or volume and unit of measure for nonbulk shipments only.
- 3 In LH109, a value of "R" or "P" requires that the receiver generate the words "residue: last contained" prior to the shipping name in accordance with regulations.

**Notes:** [48] LH1 SEGMENT - HAZMAT

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	LH101	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken [48-01] Unit or Basis for Measurement Code Use 'ZZ' in this data element to satisfy X12 syntax. ZZ Mutually Defined [48-01] Mutually Defined	M ID 2/2
M	LH102	80	<b>Lading Quantity</b> Number of units (pieces) of the lading commodity [48-02] Lading Quantity 0 New Code Added by IC [48-02] Entered to satisfy X12 syntax	M N0 1/7
>>	LH103	277	<b>UN/NA Identification Code</b> Code identifying the hazardous material identification number as required by Title 49 of the code of Federal Regulations; UN/NA stands for United Nations/North America [48-03] UN/NA Identification Code United Nations/North America code identifying the hazardous material identification number as required by Title 49 Code of Federal Regulations (CFR). SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	O ID 6/6
X	LH104	200	<b>Hazardous Materials Page</b> The United Nations page number as required for the international transport of hazardous materials	O AN 1/6
X	LH105	22	<b>Commodity Code</b> Code describing a commodity or group of commodities	O AN 1/30
X	LH106	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
X	LH107	380	<b>Quantity</b> Numeric value of quantity	O R 1/15

X	<b>LH108</b>	<b>595</b>	<b>Compartment ID Code</b>	<b>O ID 1/1</b>
			Code identifying the compartment in a compartmentalized tank car Refer to 004010 Data Element Dictionary for acceptable code values.	
X	<b>LH109</b>	<b>665</b>	<b>Residue Indicator Code</b>	<b>O ID 1/1</b>
			Code indicating that the material being described is that which remains in a packaging (including a tank car) after it has been unloaded Refer to 004010 Data Element Dictionary for acceptable code values.	
X	<b>LH110</b>	<b>254</b>	<b>Packing Group Code</b>	<b>O ID 1/3</b>
			Code indicating degree of danger in terms of Roman number I, II or III	
X	<b>LH111</b>	<b>1375</b>	<b>Interim Hazardous Material Regulatory Number</b>	<b>O AN 1/5</b>
			Identifies the current regulatory version number used for hazardous materials shipments	

**Segment:** **LH2 Hazardous Classification Information**  
**Position:** 180  
**Loop:** LH1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 4  
**Purpose:** To specify the hazardous notation and endorsement information  
**Syntax Notes:**

- 1 If either LH206 or LH207 is present, then the other is required.
- 2 If either LH208 or LH209 is present, then the other is required.
- 3 If either LH210 or LH211 is present, then the other is required.

**Semantic Notes:**

- 1 LH206 and LH207 indicate the flashpoint temperature.
- 2 LH208 and LH209 indicate the control temperature.
- 3 LH210 and LH211 indicate the emergency temperature.

**Comments:**  
**Notes:** [49] LH2 SEGMENT - HAZMAT  
 SEGMENT CONDITION: Required when HAZMAT is applicable.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
>>	LH201	215	<b>Hazardous Classification</b>	<b>O ID 1/30</b>
			The hazardous classification corresponding to the shipping name of the hazardous commodity [49-01] Hazardous Classification Identifies the hazard class or division prescribed for the material as shown in column 3 of 49 CFR Table 172.101. SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	
X	LH202	983	<b>Hazardous Class Qualifier</b>	<b>O ID 1/1</b>
			Code qualifying hazardous class Refer to 004010 Data Element Dictionary for acceptable code values.	
X	LH203	218	<b>Hazardous Placard Notation</b>	<b>O ID 14/40</b>
			The placard notation corresponding to the hazard class of the hazardous commodity	
X	LH204	222	<b>Hazardous Endorsement</b>	<b>O ID 4/25</b>
			The placard endorsement that is to be shown on the shipping papers for the hazardous commodity	
X	LH205	759	<b>Reportable Quantity Code</b>	<b>O ID 2/2</b>
			Code to identify presence of hazardous substance Refer to 004010 Data Element Dictionary for acceptable code values.	
X	LH206	355	<b>Unit or Basis for Measurement Code</b>	<b>X ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	
X	LH207	408	<b>Temperature</b>	<b>X R 1/4</b>
			Temperature	
X	LH208	355	<b>Unit or Basis for Measurement Code</b>	<b>X ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	
X	LH209	408	<b>Temperature</b>	<b>X R 1/4</b>
			Temperature	

<b>X</b>	<b>LH210</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	<b>X ID 2/2</b>
<b>X</b>	<b>LH211</b>	<b>408</b>	<b>Temperature</b> Temperature	<b>X R 1/4</b>

**Segment:** **FA1** Type of Financial Accounting Data  
**Position:** 230  
**Loop:** FA1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the organization controlling the content of the accounting citation, and the purpose associated with the accounting citation

**Syntax Notes:**  
**Semantic Notes:** 1 FA101 Identifies the organization controlling the assignment of financial accounting information.  
 2 FA102 Identifies the purpose of the accounting allowance or charge information.

**Comments:**  
**Notes:** [50] FA1 SEGMENT - TCN Appropriation Number Loop Begins the appropriation number loop. This contains the FA1 and FA2 segments. Shipper systems that are capable of receiving, storing, and sending structured DoD appropriation numbers may use this loop to exchange those numbers with trading partners.  
 LOOP CONDITION: REQUIRED except when transmitting data to carriers. Carriers do not need to receive appropriation data.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	FA101	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values [50-01] Agency Qualifier Code	M ID 2/2
			DF Department of Defense (DoD) [50-01] Department of Defense (DoD)	
			DN Department of the Navy [50-01] Department of the Navy	
			DX United States Marine Corps [50-01] United States Marine Corps	
			DY Department of Air Force [50-01] Department of Air Force	
			DZ Department of Army [50-01] Department of Army	
X	FA102	1300	<b>Service, Promotion, Allowance, or Charge Code</b> Code identifying the service, promotion, allowance, or charge	O ID 4/4
X	FA103	248	<b>Allowance or Charge Indicator</b> Code which indicates an allowance or charge for the service specified Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1

**Segment:** **FA2 Accounting Data**  
**Position:** 240  
**Loop:** FA1 Optional  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** >1  
**Purpose:** To specify the detailed accounting data  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** [51] FA2 SEGMENT - TCN Appropriation Elements

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element</b>		
M	FA201	<b>1196 Breakdown Structure Detail Code</b>	<b>M ID 2/2</b>
		Codes identifying details relating to a reporting breakdown structure tree	
		[51-01] Breakdown Structure Detail Code	
		84 Total Direct Costs	
		[51-01] Total Direct Costs	
		A1 Department Indicator	
		[51-01] Department Indicator	
		A2 Transfer from Department	
		[51-01] Transfer from Department	
		A3 Fiscal Year Indicator	
		[51-01] Fiscal Year Indicator	
		A4 Basic Symbol Number	
		[51-01] Basic Symbol Number	
		A5 Sub-class	
		[51-01] Sub-class	
		A6 Sub-Account Symbol	
		[51-01] Sub-Account Symbol	
		AT Air Force Transportation Account Code (ATAC)	
		[51-01] Air Force Transportation Account Code (ATAC)	
		B1 Budget Activity Number	
		[51-01] Budget Activity Number	
		B2 Budget Sub-activity Number	
		[51-01] Budget Sub-activity Number	
		B3 Budget Program Activity	
		[51-01] Budget Program Activity	
		C1 Program Element	
		[51-01] Program Element	
		C2 Project Task or Budget Subline	
		[51-01] Project Task or Budget Subline	
		D1 Defense Agency Allocation Recipient	
		[51-01] Defense Agency Allocation Recipient	
		D4 Component Sub-allocation Recipient	
		[51-01] Component Sub-allocation Recipient	
		D6 Sub-allotment Recipient	
		[51-01] Sub-allotment Recipient	
		D7 Work Center Recipient	
		[51-01] Work Center Recipient	



**Segment:** L10 Weight  
**Position:** 250  
**Loop:** FA1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit weight information  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Notes:** [52] L10 SEGMENT - TCN Weight  
 SEGMENT CONDITION: Use except when transmitting HAZMAT data to carriers.  
 Carriers do not need to receive appropriation data.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	L1001	81	<b>Weight</b> Numeric value of weight [52-01] Weight Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	M R 1/10
M	L1002	187	<b>Weight Qualifier</b> Code defining the type of weight [52-02] Weight Qualifier N Actual Net Weight [52-02] Actual Net Weight	M ID 1/2
>>	L1003	188	<b>Weight Unit Code</b> Code specifying the weight unit [52-03] Weight Unit Code L Pounds [52-03] Pounds	O ID 1/1

**Segment:** **N1** Name  
**Position:** 290  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
 2 If either N103 or N104 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
 2 N105 and N106 further define the type of entity in N101.  
**Notes:** [57] N1 SEGMENT - Destination  
 LOOP CONDITION: Required to accommodate the MRM 15 direction to use PowerTrack for small package/express shipments either this destination identifier loop or the one in Table 1 must appear.

**Data Element Summary**

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	N101	98	<b>Entity Identifier Code</b>	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			[57-01] Ship To Qualifier	
		ST	Ship To	
			[57-01] Ship To	
>>	N102	93	<b>Name</b>	X AN 1/60
			Free-form name	
			[57-02] Destination Name	
			Name of party responsible for receiving delivery of the shipment.	
	N103	66	<b>Identification Code Qualifier</b>	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			[57-03] DoDAAC/CAGE Qualifier	
		10	Department of Defense Activity Address Code (DODAAC)	
			[57-03] Department of Defense Activity Address Code (DODAAC)	
		33	Commercial and Government Entity (CAGE)	
			[57-03] Commercial and Government Entity (CAGE)	
	N104	67	<b>Identification Code</b>	X AN 2/80
			Code identifying a party or other code	
			[57-04] Destination DoDAAC or CAGE	
X	N105	706	<b>Entity Relationship Code</b>	O ID 2/2
			Code describing entity relationship	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	N106	98	<b>Entity Identifier Code</b>	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

**Segment:** **N2** Additional Name Information  
**Position:** 300  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify additional names or those longer than 35 characters in length  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

[58] N2 SEGMENT - Destination  
 SEGMENT CONDITION: Required to accommodate the MRM 15 direction to use PowerTrack for small package/express shipments either this destination segment or the one in Table 1 must appear.

**Data Element Summary**

	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
M	N201	93	Name Free-form name	M AN 1/60
X	N202	93	Name Free-form name	O AN 1/60

**Segment:** **N3** Address Information  
**Position:** 310  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

[59] N3 SEGMENT - Destination  
 SEGMENT CONDITION: Required to accommodate the MRM 15 direction to use PowerTrack for small package/express shipments either this destination segment or the one in Table 1 must appear.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information Address information [59-01] Destination Address Information	M AN 1/55
	N302	166	Address Information Address information [59-02] Destination Address Information	O AN 1/55

**Segment:** **N4 Geographic Location**  
**Position:** 320  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1 If N406 is present, then N405 is required.  
**Semantic Notes:**  
**Comments:** 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.  
 2 N402 is required only if city name (N401) is in the U.S. or Canada.  
**Notes:** [60] N4 SEGMENT - Destination City, State/Province, ZIP/Postal Code, and Country  
 SEGMENT CONDITION: Required to accommodate the MRM 15 direction to use PowerTrack for small package/express shipments either this destination segment or the one in Table 1 must appear.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
>> N401	19	City Name	O AN 2/30
		Free-form text for city name	
		[60-01] Destination City Name	
N402	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
		[60-02] Destination State/Province Code	
		ELEMENT CONDITION: Required when applicable, since this information is not always available for international shipments.	
		SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	
N403	116	Postal Code	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
		[60-03] Destination ZIP/Postal Code	
		ELEMENT CONDITION: Required when applicable, since this information is not always available for international shipments.	
		SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	
N404	26	Country Code	O ID 2/3
		Code identifying the country	
		[60-04] Destination Country Code	
		ELEMENT CONDITION: When the shipment moves from CONUS-to-CONUS or OCONUS-to-OCONUS, use the two- or three-character abbreviation code for the country where delivery will occur.	
		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 <a href="http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm">http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm</a> . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	
X	N405	309 Location Qualifier	X ID 1/2
		Code identifying type of location	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	N406	310 Location Identifier	O AN 1/30
		Code which identifies a specific location	

**Segment:** **L3 Total Weight and Charges**  
**Position:** 010  
**Loop:**  
**Level:** Summary  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items

- Syntax Notes:**
- 1 If either L301 or L302 is present, then the other is required.
  - 2 If either L303 or L304 is present, then the other is required.
  - 3 If either L309 or L310 is present, then the other is required.
  - 4 If L312 is present, then L301 is required.
  - 5 If either L314 or L315 is present, then the other is required.
- Semantic Notes:**
- 1 L305 is the total charges.

**Comments:**

**Notes:** [61] L3 SEGMENT - Total Charge for Shipment

**Data Element Summary**

Ref.	Data	Data Element Summary		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
X	L301	81	<b>Weight</b> Numeric value of weight	X R 1/10
X	L302	187	<b>Weight Qualifier</b> Code defining the type of weight Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
X	L303	60	<b>Freight Rate</b> Rate that applies to the specific commodity	X R 1/9
X	L304	122	<b>Rate/Value Qualifier</b> Code qualifying how to extend charges or interpret value Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
>>	L305	58	<b>Charge</b> For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified [61-05] Total Charge for Shipment Calculated charge for entire shipment including linehaul and accessorial services.	O N2 1/12
X	L306	191	<b>Advances</b> Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified	O N2 1/9
X	L307	117	<b>Prepaid Amount</b> Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified	O N2 1/9
X	L308	150	<b>Special Charge or Allowance Code</b> Code identifying type of special charge or allowance Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 3/3
X	L309	183	<b>Volume</b> Value of volumetric measure	X R 1/8
X	L310	184	<b>Volume Unit Qualifier</b> Code identifying the volume unit Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
X	L311	80	<b>Lading Quantity</b> Number of units (pieces) of the lading commodity	O N0 1/7

<b>X</b>	<b>L312</b>	<b>188</b>	<b>Weight Unit Code</b> Code specifying the weight unit Refer to 004010 Data Element Dictionary for acceptable code values.	<b>O ID 1/1</b>
<b>X</b>	<b>L313</b>	<b>171</b>	<b>Tariff Number</b> Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	<b>O AN 1/7</b>
<b>X</b>	<b>L314</b>	<b>74</b>	<b>Declared Value</b> Monetary assigned value expressed in the standard monetary denomination for the currency specified	<b>X N2 2/12</b>
<b>X</b>	<b>L315</b>	<b>122</b>	<b>Rate/Value Qualifier</b> Code qualifying how to extend charges or interpret value Refer to 004010 Data Element Dictionary for acceptable code values.	<b>X ID 2/2</b>

**Segment:** **SE** Transaction Set Trailer  
**Position:** 020  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 SE is the last segment of each transaction set.

**Notes:** [62] SE SEGMENT - Express Package Trailer

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element Name</b>	
M	SE01	96 <b>Number of Included Segments</b>	M N0 1/10
		Total number of segments included in a transaction set including ST and SE segments	
		[62-01] Number of Included Segments	
		Total segments in this transaction set including the ST and SE segments.	
M	SE02	329 <b>Transaction Set Control Number</b>	M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
		[62-02] Transaction Set Control Number	
		This data element ends the transaction set and should match the number that appears in the ST02 that begins the transaction set.	

# Section 4.0

## IC ELEMENT MATRIX

### OVERVIEW

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

### PURPOSE

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

### HOW TO READ THE IC ELEMENT MATRIX

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

#### *Record Types*

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

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

#### *Two Categories of Record Information*

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

- IC application information describes attributes about the application requirement.

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

### *Matrix Layout*

The IC element matrix lists information in ten columns.

- IC Data Element Name (DATA NAME) is a label for each data element using terminology common to the business environment. The IC element matrix identifies an element as a “Route Order Number Qualifier.” This is more concise than using the generic X12 label of “Reference Number Qualifier.” A segment header record identifies the segment ID in this column.
- IC Element Number (INDEX) enables analysts and programmers to quickly cite a record in the matrix.
- IC Data Group Number (DATA GRP) is a number assigned by the IC developers. That number identifies an IC element with a group of elements that form a relation (database table) within the application data model. In order to quickly reference a relation, Defense transportation developers label them with a Data Group number. For example, a “Bill To Address” may belong to the “PURCHASE ORDER” relation (DATA GRP = 10). A “Stop-off Delivery Address” may belong to the “ITEM DELIVERY” relation (DATA GRP = 60).
- X12 Transaction Set Table Number (TBL). 1= Header Table, 2= Detail Table, 3= Summary Table.
- X12 Segment Position (POS). The position of the segment in the transaction set table.
- X12 Segment Reference Designator (REF DES). The segment ID and position of the element within the segment. This column is blank for all segment header records.
- X12 Simple or Composite Data Element Number (DE#). The X12 data element that occurs at the REF DES of the segment. This column is blank for all segment header records.
- IC Requirement Designator (DoD REQ). In a segment header record, this column indicates the usage of the segment. In an element record, this column indicates the usage of the element within the segment, if the segment is used.
- IC Element Code List (VALUE). This column lists both X12 standard codes and application-unique codes. If the list is large, it appears in the Section 6.0 - Application Code Lists.
- IC Element Notes (DoD CONVENTION NOTES) can contain information about various segment and element attributes. Element attributes may differ from those in the X12 standard. For example, if trading partners expect to exchange a purchase order number that has a specific length and structure, those attributes are described here. Further, if a DoD REQ is conditional, the condition is usually described here. Finally, the note may contain the following references:
  - > DTR — Appearing in brackets (e.g. [DTR: T\_9 D-15 54/80]), this notation references the DTR data identifier card (DIC) where the data originates. It also identifies the beginning and ending columns (e.g. 54/80) where the data occurs in the DIC.
  - > ALTSEG/NTE — When a data element cites this notation, always carry the data element in a data group 9001 NTE segment and include the T\_9 rp 80 counter number. Further, when the application system can identify trailer data content, carry the data as described by the citing data element and exclude the T\_9 rp 80 counter number.

*Sort Order of the Matrix*

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

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DoD INFORMATION					X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
1		<b>ST SEGMENT - Express Package Header</b>	M		1	010	M	1						
1-01		Transaction Set Identifier Code 858 - Shipment Information	M	ID 3/3	1	010	M	1				ST01	143	M ID 3/3
					The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).									
1-02		Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set. The application and structure of the control number must be agreed upon between trading partners. (For example, the first five digits might indicate a group control number, with the last four digits representing the sequence of the transaction set within the functional group. Otherwise, the entire nine digit field may simply represent the sequence of the transaction set generated by a trading partner.)	M	AN 4/9	1	010	M	1				ST02	329	M AN 4/9
2		<b>BX SEGMENT - Express Package Beginning Segment</b>	M		1	030	M	1						
2-01		Transaction Set Purpose Code 00 - Original  01 - Cancellation  04 - Change  14 - Advance Notification	M	ID 2/2	1	030	M	1				BX01	353	M ID 2/2
2-02		Transportation Method/Type Code (Mode Code) AE - Air Express  AF - Air Freight  AH - Air Taxi  FA - Air Freight Forwarder  MP - Motor (Package Carrier)	M	ID 2/2	1	030	M	1				BX02	91	M ID 1/2
2-03		Shipment Method of Payment CD - Collect on Delivery  PP - Prepaid (by Seller)  TP - Third Party Pay	M	ID 2/2	1	030	M	1				BX03	146	M ID 2/2
2-04		Commercial Bill of Lading Number Use this element to identify the shipper assigned bill of lading number.	M	AN 1/30	1	030	M	1				BX04	145	O AN 1/30

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DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
2-05		Standard Carrier Alpha Code The industry assigned alpha code representing the carrier who received the shipment.  SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	M ID 2/4	1	030	M	1				BX05	140	O	ID 2/4
2-14		Application Type ELEMENT CONDITION: Use when broker.  BF - [Migration Code] Broker Files	C ID 2/2	1	030	M	1				BX14	346	O	ID 2/2
3		<b>N9 SEGMENT - Carrier Waybill/PRO Number</b> SEGMENT CONDITION: Use when Carrier Waybill/PRO Number is available.	C	1	060	O	30							
3-01		Reference Number Qualifier CN - Carrier's Reference Number (PRO/Invoice)  WY - Waybill Number	M ID 2/2	1	060	O	30				N901	128	M	ID 2/3
3-02		Carrier Waybill/PRO Number	M ID 1/30	1	060	O	30				N902	127	C	AN 1/30
4		<b>N9 SEGMENT - Carrier Pickup Number</b> SEGMENT CONDITION: Use when Carrier Pickup Number is available.	C	1	060	O	30							
4-01		Reference Number Qualifier P8 - Pickup Reference Number	M ID 2/2	1	060	O	30				N901	128	M	ID 2/3
4-02		Carrier Pickup Number	M AN 1/30	1	060	O	30				N902	127	C	AN 1/30
5		<b>N9 SEGMENT - Credit Card Number</b> SEGMENT CONDITION: Use this segment if the shipper is following credit card procedures to pay the carrier.	C	1	060	O	30							
5-01		Reference Number Qualifier E4 - Charge Card Number	M ID 2/2	1	060	O	30				N901	128	M	ID 2/3
5-02		Credit Card Number The credit card account number owned by the shipper. That card number is used by the carrier to bill the shipper's paying activity.	M AN 1/30	1	060	O	30				N902	127	C	AN 1/30
6		<b>N9 SEGMENT - Contract Number</b> SEGMENT CONDITION: Use when a Contract Number is applicable.	C	1	060	O	30							

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DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
6-01		Contract Number Qualifier CT - Contract Number	M	ID	2/2	1	060	O	30			N901	128	M	ID	2/3
6-02		Contract Number Contract number used for invoicing purposes	M	AN	1/30	1	060	O	30			N902	127	C	AN	1/30
7		<b>N9 SEGMENT - Carrier Data</b> SEGMENT CONDITION: Use when transmission of Carrier Data is needed.	C			1	060	O	30							
7-01		Carrier Data Qualifier See Section 6 for list of data values.	M	ID	2/2	1	060	O	30			N901	128	M	ID	2/3
7-02		Carrier Data	M	AN	1/30	1	060	O	30			N902	127	C	AN	1/30
8		<b>C3 SEGMENT - Currency Code</b> SEGMENT CONDITION: The segment is not required, and will not be used, when currency is in U.S. Dollars.  This segment indicates the currency used for the bill of lading.	C			1	090	O	1							
8-01		Currency Code  Data element C301 indicates a particular country's/region's currency used for all items on the Bill of Lading. (For example, the code value for EURO dollars is 'EUR'.) Other appropriate currency code values from the ISO 4217 table may be found on the web at: <a href="http://www.iso.org/iso/en/prods-services/popstds/currencycodeslist.html">http://www.iso.org/iso/en/prods-services/popstds/currencycodeslist.html</a> .  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 <a href="http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm">http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm</a> . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	M	ID	3/3	1	090	O	1			C301	100	M	ID	3/3
9		<b>G62 SEGMENT - Required Delivery Date (RDD)</b>	M			1	110	O	10							
9-01		Date Qualifier 54 - Deliver No Later Than Date	M	ID	2/2	1	110	O	10			G6201	432	C	ID	2/2
9-02		Required Delivery Latest date the shipment is expected to be delivered. Use CCYYMMDD format.	M	DT	8/8	1	110	O	10			G6202	373	C	DT	8/8
9-03		Time Qualifier 4 - Pickup Requested Scheduled Time	C	ID	1/1	1	110	O	10			G6203	176	C	ID	1/2

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DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes			
9-04		Delivery Time Latest time the shipment is expected to be delivered. Use HHMM format.	C	TM	4/4	1	110	O	10			G6204	337	C	TM	4/8	
10		<b>G62 SEGMENT - Carrier Pickup Date</b>	M			1	110	O	10								
																At least one of G6201 or G6203 is required. If either G6201 or G6202 is present, then the other is required. If either G6203 or G6204 is present, then the other is required.	
10-01		Date Qualifier 86 - Actual Pickup Date	M	ID	2/2	1	110	O	10			G6201	432	C	ID	2/2	
10-02		Carrier Pickup Date Date shipment is picked up from the shipper by the carrier. Use CCYYMMDD format.	M	DT	8/8	1	110	O	10			G6202	373	C	DT	8/8	
10-03		Time Qualifier CHANGE NOTE: Requirement attribute changed to CONDITIONAL per DM 895. 8 - Actual Pickup Time	C	ID	1/1	1	110	O	10			G6203	176	C	ID	1/2	
10-04		Carrier Pickup Time Time shipment is picked up from the shipper by the carrier. Use HHMM format. CHANGE NOTE: Requirement attribute changed to CONDITIONAL per DM 895.	C	TM	4/4	1	110	O	10			G6204	337	C	TM	4/8	
11		<b>G62 SEGMENT - Bill Prepared Date</b>	M			1	110	O	10								
																At least one of G6201 or G6203 is required. If either G6201 or G6202 is present, then the other is required. If either G6203 or G6204 is present, then the other is required.	
11-01		Date Qualifier 76 - Bill of Lading	M	ID	2/2	1	110	O	10			G6201	432	C	ID	2/2	
11-02		Bill of Lading Prepared Date Date shipment is prepared by the shipper. Use CCYYMMDD format.	M	DT	8/8	1	110	O	10			G6202	373	C	DT	8/8	
12		<b>N1 SEGMENT - Destination</b> LOOP CONDITION: Required to accommodate the MRM 15 direction to use PowerTrack for small package/express shipments either this destination identifier loop or the one in Table 2 must appear.  Begins destination identifier loop. This loop calls for an N1, N2, N3, N4, and PER segments.	C			1	390	O	1	12	1	N1					
																At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.	
12-01		Destination Qualifier ST - Ship To	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M	ID	2/3

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DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes			
12-02		Destination Name Name of party responsible for receiving delivery of the shipment.	M	AN	1/60	1	390	O	1	12	1	N1	N102	93	C	AN	1/60
12-03		DoDAAC/CAGE Qualifier 10 - Department of Defense Activity Address Code (DODAAC) 33 - Commercial and Government Entity (CAGE)	C	ID	2/2	1	390	O	1	12	1	N1	N103	66	C	ID	1/2
12-04		Destination DoDAAC or CAGE Code that identifies the activity responsible for receiving delivery of the shipment. (Use 5 or 6 characters.)	C	AN	5/6	1	390	O	1	12	1	N1	N104	67	C	AN	2/80
13		<b>N2 SEGMENT - Destination</b> SEGMENT CONDITION: Required to accommodate the MRM 15 direction to use PowerTrack for small package/express shipments either this destination segment or the one in Table 2 must appear.	C			1	400	O	2	12	1	N1					
13-01		Destination Additional Name	M	AN	1/60	1	400	O	2	12	1	N1	N201	93	M	AN	1/60
14		<b>N3 SEGMENT - Destination</b> SEGMENT CONDITION: Required to accommodate the MRM 15 direction to use PowerTrack for small package/express shipments either this destination segment or the one in Table 2 must appear.	C			1	410	O	2	12	1	N1					
14-01		Destination Street	M	AN	1/55	1	410	O	2	12	1	N1	N301	166	M	AN	1/55
14-02		Destination Street Additional	C	AN	1/55	1	410	O	2	12	1	N1	N302	166	O	AN	1/55
15		<b>N4 SEGMENT - Destination City, State/Province, ZIP/Postal Code, and Country</b> SEGMENT CONDITION: Required to accommodate the MRM 15 direction to use PowerTrack for small package/express shipments either this destination segment or the one in Table 2 must appear.	C			1	420	O	1	12	1	N1					
15-01		Destination City	M	AN	2/30	1	420	O	1	12	1	N1	N401	19	O	AN	2/30
15-02		Destination State/Province Code SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	1	420	O	1	12	1	N1	N402	156	O	ID	2/2

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.

If N406 is present, then N405 is required.

A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

N402 is required only if city name (N401) is in the U.S. or Canada.

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
15-03		Destination Zip/Postal Code ELEMENT CONDITION: If a postal code exists, it is required.  SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C ID 3/15	1	420	O	1	12	1	N1	N403	116	O	ID 3/15
15-04		Destination Country Code ELEMENT CONDITION: When the shipment moves from CONUS-to-CONUS or OCONUS-to-OCONUS, use the two- or three-character abbreviation code for the country where delivery will occur.  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 <a href="http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm">http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm</a> . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C ID 2/3	1	420	O	1	12	1	N1	N404	26	O	ID 2/3
16		<b>PER SEGMENT - Destination Contact</b> SEGMENT CONDITION: Provide when applicable. Not always available for DLA shipments.	C	1	440	O	3	12	1	N1				
														If either PER03 or PER04 is present, then the other is required. If either PER05 or PER06 is present, then the other is required. If either PER07 or PER08 is present, then the other is required.
16-01		Contact Function Code EM - Emergency Contact	M ID 2/2	1	440	O	3	12	1	N1	PER01	366	M	ID 2/2
16-03		Communication Number Qualifier TE - Telephone	M ID 2/2	1	440	O	3	12	1	N1	PER03	365	C	ID 2/2
16-04		Destination Contact Phone Number The commercial phone number (Not FTS or DSN) of the party responsible for receiving delivery of the shipment.	M AN 7/21	1	440	O	3	12	1	N1	PER04	364	C	AN 1/80
17		<b>N1 SEGMENT - Origin</b> Begins origin identifier loop. This loop calls for an N1, N2, N3, N4, and REF segments.	M	1	390	O	1	12	1	N1				
														At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.
17-01		Origin Qualifier SF - Ship From	M ID 2/2	1	390	O	1	12	1	N1	N101	98	M	ID 2/3
17-02		Origin Name	M AN 1/60	1	390	O	1	12	1	N1	N102	93	C	AN 1/60
17-03		DoDAAC/CAGE Qualifier 10 - Department of Defense Activity Address Code (DODAAC)  33 - Commercial and Government Entity (CAGE)	C ID 2/2	1	390	O	1	12	1	N1	N103	66	C	ID 1/2

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
17-04		Origin DoDAAC or CAGE Identification code of the responsible activity at the pickup location.	C AN 5/6	1	390	O	1	12	1	N1	N104	67	C AN	2/80	
				This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.											
18		<b>N2 SEGMENT - Origin</b> SEGMENT CONDITION: Use when Origin Additional Name is needed.	C	1	400	O	2	12	1	N1					
18-01		Origin Additional Name	M AN 1/60	1	400	O	2	12	1	N1	N201	93	M AN	1/60	
19		<b>N3 SEGMENT - Origin</b> SEGMENT CONDITION: Use when Origin Street Address is needed.	C	1	410	O	2	12	1	N1					
19-01		Origin Street	M AN 1/55	1	410	O	2	12	1	N1	N301	166	M AN	1/55	
19-02		Origin Street Additional	C AN 1/55	1	410	O	2	12	1	N1	N302	166	O AN	1/55	
20		<b>N4 SEGMENT - Origin City, State/Province, ZIP/Postal Code, and Country</b> SEGMENT CONDITION: Use when Origin City, State/Province, ZIP/Postal Code, and Country is needed.	C	1	420	O	1	12	1	N1					
				If N406 is present, then N405 is required.											
20-01		Origin City	C AN 2/30	1	420	O	1	12	1	N1	N401	19	O AN	2/30	
				A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.											
20-02		Origin State/Province Code SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C ID 2/2	1	420	O	1	12	1	N1	N402	156	O ID	2/2	
				N402 is required only if city name (N401) is in the U.S. or Canada.											
20-03		Origin Zip/Postal Code ELEMENT CONDITION: If a postal code exists, it is required.  SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S. Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C ID 3/15	1	420	O	1	12	1	N1	N403	116	O ID	3/15	
20-04		Origin Country Code ELEMENT CONDITION: When the shipment moves from CONUS-to-CONUS or OCONUS-to-OCONUS, use the two- or three-character abbreviation code for the country where delivery will occur.  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 <a href="http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm">http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm</a> . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C ID 2/3	1	420	O	1	12	1	N1	N404	26	O ID	2/3	

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
21		<b>REF SEGMENT - Carrier Origin Code</b> SEGMENT CONDITION: Use when Carrier Origin Code is available.	C		1	430	O	12	12	1	N1				
21-01		Reference Identification Qualifier 4B - Shipment Origin Code	M	ID 2/2	1	430	O	12	12	1	N1	REF01	128	M	ID 2/3
21-02		Carrier Origin Code Carrier assigned number representing pickup location.	M	AN 1/30	1	430	O	12	12	1	N1	REF02	127	C	AN 1/30
22		<b>N1 SEGMENT - Party to Receive Carrier's Invoice</b> Begins loop. This loop calls for a single N1 segment.	M		1	390	O	1	12	1	N1				
22-01		Party to Receive Carrier's Invoice Qualifier PO - Party to Receive Invoice for Goods or Services	M	ID 2/2	1	390	O	1	12	1	N1	N101	98	M	ID 2/3
22-03		Identification Code Qualifier 10 - Department of Defense Activity Address Code (DODAAC)  9 - D-U-N-S+4, D-U-N-S Number with Four Character Suffix  <i>Use '9' to denote D-U-N-S+4.</i>	M	ID 1/2	1	390	O	1	12	1	N1	N103	66	C	ID 1/2
22-04		Bill Charges To Organization Identification Number DoDAAC or DUNS+4 number that identifies the party to receive the invoice. If the origination identification number is other than DoDAAC or DUNS, it should be specified in the trading partner agreement.	M	AN 6/13	1	390	O	1	12	1	N1	N104	67	C	AN 2/80
23		<b>N2 SEGMENT - Additional Name</b> SEGMENT CONDITION: Use when Additional Name is needed.	C		1	400	O	2	12	1	N1				
23-01		Additional Name	M	AN 1/60	1	400	O	2	12	1	N1	N201	93	M	AN 1/60
23-02		Additional Name	C	AN 1/60	1	400	O	2	12	1	N1	N202	93	O	AN 1/60
24		<b>N1 SEGMENT - Bill Charges To</b> LOOP CONDITION: Use when applicable.  Begins Bill Charges To loop. This loop calls for a single N1 segment. It identifies the customer who is ultimately responsible for paying the transportation cost.	C		1	390	O	1	12	1	N1				
24-01		Payer Identifier Code BT - Bill-to-Party	M	ID 2/2	1	390	O	1	12	1	N1	N101	98	M	ID 2/3

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes			
24-03		Payer Account Number Qualifier 25 - Carrier's Customer Code	M	ID	2/2	1	390	O	1	12	1	N1	N103	66	C	ID	1/2
24-04		Payer Account Number The format of payer account number should be specified in the trading partner agreement.	M	AN	2/20	1	390	O	1	12	1	N1	N104	67	C	AN	2/80
25		<b>N1 SEGMENT - Hold at Location Address</b> LOOP CONDITION: Use when Hold at Location Address is applicable.	C			1	390	O	1	12	1	N1					
25-01		Hold at Location Qualifier WD - Storage Facility at Destination	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M	ID	2/3
25-02		Hold at Location Name	M	AN	1/60	1	390	O	1	12	1	N1	N102	93	C	AN	1/60
26		<b>N3 SEGMENT - Hold at Location Street Address</b> SEGMENT CONDITION: Use when Hold at Location Street Address is applicable.	C			1	410	O	2	12	1	N1					
26-01		Hold at Location Street Address	M	AN	1/55	1	410	O	2	12	1	N1	N301	166	M	AN	1/55
27		<b>N4 SEGMENT - Hold at Location City, State/Province, ZIP/Postal Code, and Country</b> SEGMENT CONDITION: Use when Hold at Location City, State/Province, ZIP/Postal Code, and Country is applicable.	C			1	420	O	1	12	1	N1					
27-01		Hold at Location City Name	M	AN	2/30	1	420	O	1	12	1	N1	N401	19	O	AN	2/30
27-02		Hold at Location State/Province Code SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	M	ID	2/2	1	420	O	1	12	1	N1	N402	156	O	ID	2/2
27-03		Hold at Location Zip/Postal Code SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	M	ID	3/15	1	420	O	1	12	1	N1	N403	116	O	ID	3/15
27-04		Hold at Location Country Code 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 <a href="http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm">http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm</a> . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C	ID	2/3	1	420	O	1	12	1	N1	N404	26	O	ID	2/3

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
28		<b>PER SEGMENT - Hold at Location Contact</b> SEGMENT CONDITION: Use when Hold at Location Contact is applicable.	C		1	440	O	3	12	1	N1					
28-01		Hold at Location Contact Qualifier CN - General Contact	M	ID 2/2	1	440	O	3	12	1	N1	PER01	366	M	ID	2/2
28-03		Hold at Location Contact Commercial Phone Qualifier TE - Telephone	M	ID 2/2	1	440	O	3	12	1	N1	PER03	365	C	ID	2/2
28-04		Hold at Location Contact Commercial Phone Number	M	AN 7/21	1	440	O	3	12	1	N1	PER04	364	C	AN	1/80
29		<b>N1 SEGMENT - Issuing Office GBLOC</b> LOOP CONDITION: Use when Issuing Office GBLOC is available.	C		1	390	O	1	12	1	N1					
29-01		Issuing Office Qualifier IU - Issuer	M	ID 2/2	1	390	O	1	12	1	N1	N101	98	M	ID	2/3
29-02		Issuing Office Name	C	AN 1/60	1	390	O	1	12	1	N1	N102	93	C	AN	1/60
29-03		Issuing Office GBLOC Qualifier 27 - Government Bill Of Lading Office Code (GBLOC)	M	ID 2/2	1	390	O	1	12	1	N1	N103	66	C	ID	1/2
29-04		Issuing Office GBLOC	M	AN 4/4	1	390	O	1	12	1	N1	N104	67	C	AN	2/80
																This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
30		<b>FA1 SEGMENT - Appropriation Number</b> SEGMENT CONDITION: REQUIRED except when transmitting data to carriers. Carriers do not need to receive appropriation data. Begins the Appropriation Number loop. This contains the FA1 and FA2 segments. Shipper systems that are capable of receiving, storing, and sending structured DoD appropriation numbers may use this loop to exchange those numbers with trading partners.	M		1	550	O	1	>1	1	FA1					
30-01		Agency Qualifier Code DF - Department of Defense (DoD) DN - Department of the Navy DX - United States Marine Corps DY - Department of Air Force DZ - Department of Army	M	ID 2/2	1	550	O	1	>1	1	FA1	FA101	559	M	ID	2/2
																FA101 Identifies the organization controlling the assignment of financial accounting information.

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			
31		<b>FA2 SEGMENT - Appropriation Number</b>	M		1	560	M	>1	>1	1	FA1						
31-01		Breakdown Structure Detail Code See Section 6 for list of data values.	M	ID	2/2	1	560	M	>1	>1	1	FA1	FA201	1196	M	ID	2/2
31-02		Financial Information Code When FA201 contains code value '84', FA202 should be formatted as a dollar amount including a decimal character and two positions after the decimal, representing cents even if the value is a whole dollar amount.	M	AN	1/80	1	560	M	>1	>1	1	FA1	FA202	1195	M	AN	1/80
32		<b>HL SEGMENT - Item Description Loop</b> Begins Package Description loop. This loop calls for an HL, N9, L5, L0, L1, and LH segments. This loop occurs once for each package in the shipment.	M			2	010	M	1	>1	1	HL					
32-01		Hierarchical ID Number A sequential number assigned by the shipper's application system.	M	NO	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
32-03		Hierarchical Level Code Qualifier identifying that all information within this HL loop corresponds to line item (package) details.  9 - Line Detail	M	ID	1/1	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
33		<b>SL1 SEGMENT - Level of Service</b> SEGMENT CONDITION: Use for DLA Level of Service, when applicable.	C			2	095	O	1	>1	1	HL					
33-01		Service Level Code ON - Overnight  SC - Second Day Air  SE - Second Day  SG - Standard Ground  SH - Second Day Hundred Weight	M	ID	2/2	2	095	O	1	>1	1	HL	SL101	284	M	ID	2/2
33-03		Commodity Code 0 - Entered to satisfy X12 syntax	M	AN	1/1	2	095	O	1	>1	1	HL	SL103	22	C	AN	1/30
34		<b>N9 SEGMENT - TCN</b>	M			2	100	O	10	>1	1	HL					

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes			
34-01		Reference Identification Qualifier TG - Transportation Control Number (TCN)	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
34-02		Transportation Control Number A DoD unique number identifying a shipment.	M	AN	17/17	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
35		<b>N9 SEGMENT - Project Code</b> SEGMENT CONDITION: Use when Project Code is applicable	C			2	100	O	10	>1	1	HL					
																	At least one of N902 or N903 is required. If N906 is present, then N905 is required.
35-01		Reference Identification Qualifier P4 - Project Code	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
35-02		Project Code	M	AN	3/3	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
36		<b>N9 SEGMENT - Carrier Tracking Number</b> SEGMENT CONDITION: Use when Carrier Tracking Number is applicable.	C			2	100	O	10	>1	1	HL					
																	At least one of N902 or N903 is required. If N906 is present, then N905 is required.
36-01		Reference Number Qualifier 08 - Carrier Assigned Package Identification Number	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
36-02		Carrier Tracking Number Carrier assigned shipment identification number.	M	AN	1/30	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
37		<b>N9 SEGMENT - Package Aggregation Number</b> SEGMENT CONDITION: Use this segment when aggregating packages is required.	C			2	100	O	10	>1	1	HL					
																	At least one of N902 or N903 is required. If N906 is present, then N905 is required.
37-01		Reference Number Qualifier BT - Batch Number	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
37-02		Package Aggregation Number Identifies multiple packages going to the same recipient using the same type of service.	M	AN	1/30	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
38		<b>N9 SEGMENT - Rate Code Number</b> SEGMENT CONDITION: Use when Rate Code Number is applicable.	C			2	100	O	10	>1	1	HL					
																	At least one of N902 or N903 is required. If N906 is present, then N905 is required.
38-01		Reference Number Qualifier RB - Rate code number	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
38-02		Rate Code Number Identifies the system used to rate the shipment.  1 - Rated by Shipper System 2 - Rated by Carrier System 3 - Rated for Transport of Repair or Return Packages	M	N0	1/1	2	100	O	10	>1	1	HL	N902	127	C AN	1/30
39		<b>N9 SEGMENT - DoD Identification Code (DoDIC)</b> SEGMENT CONDITION: Required for DTTS if the hazardous shipment contains ammunition.	C			2	100	O	10	>1	1	HL				
39-01		DoDIC Qualifier 11 - Department of Defense Identification Code (DoDIC)	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M ID	2/3
39-02		DoDIC MANDATORY for all ammunition and explosives. Also called Navy Ammunition Logistics Code (NALC).	M	AN	4/4	2	100	O	10	>1	1	HL	N902	127	C AN	1/30
40		<b>N9 SEGMENT - National Stock Number</b> SEGMENT CONDITION: Use when a National Stock Number is applicable	C			2	100	O	10	>1	1	HL				
40-01		National Stock Number Qualifier NS - National Stock Number	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M ID	2/3
40-02		National Stock Number National Stock Number used for transportation purposes	M	AN	1/30	2	100	O	10	>1	1	HL	N902	127	C AN	1/30
41		<b>N9 SEGMENT - Part Number</b> SEGMENT CONDITION: Use when a Part Number is applicable	C			2	100	O	10	>1	1	HL				
41-01		Part Number Qualifier MF - Manufacturers Part Number  <i>Use 'MF' to denote Part Number.</i>	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M ID	2/3
41-02		Part Number Part Number used for transportation purposes.	M	AN	1/30	2	100	O	10	>1	1	HL	N902	127	C AN	1/30
42		<b>L5 SEGMENT - Item Description</b> SEGMENT CONDITION: Use when Item Description is applicable.	C			2	130	O	10	>1	1	HL				

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
42-02		Item Description Clear text description of contents of package.	M	AN	1/50	2	130	O	10	>1	1	HL	L502	79	O AN 1/50
					L502 may be used to send quantity information as part of the product description.										
43		<b>L0 SEGMENT - Actual Weight</b>	M			2	145	O	1	20	2	L0			
					If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.										
43-04		Actual Weight	M	R	1/10	2	145	O	1	20	2	L0	L004	81	C R 1/10
43-05		Weight Qualifier FR - Freight Weight	M	ID	2/2	2	145	O	1	20	2	L0	L005	187	C ID 1/2
43-11		Weight Unit Code L - Pounds	M	ID	1/1	2	145	O	1	20	2	L0	L011	188	O ID 1/1
44		<b>L1 SEGMENT - Item Charges</b>	M			2	150	O	20	20	2	L0			
					If either L102 or L103 is present, then the other is required. At least one of L104, L105, or L106 is required. If either L114 or L115 is present, then the other is required. If either L117 or L118 is present, then the other is required.										
44-04		Item Charge Provides transportation linehaul charges for shipment. Package aggregation and other discounts should be applied.	M	N2	2/12	2	150	O	20	20	2	L0	L104	58	C N2 1/12
44-14		Declared Value Value of the shipment as declared by the shipper for insurance purposes. Use up to 8-digits with an implied decimal at the second position.	C	N2	2/12	2	150	O	20	20	2	L0	L114	74	C N2 2/12
44-15		Declared Value Units Qualifier PZ - Per Package Charge	C	ID	2/2	2	150	O	20	20	2	L0	L115	122	C ID 2/2
45		<b>MEA SEGMENT - Line Item Value</b> SEGMENT CONDITION: Declared value is required for all shipments that will be processed through a foreign host nation's customs and border clearance program. CHANGE NOTE: Segment condition changed per DM 1044.	C			2	160	O	10	20	2	L0			
					At least one of MEA03, MEA05, MEA06, or MEA08 is required. If MEA05 is present, then MEA04 is required. If MEA06 is present, then MEA04 is required. If MEA07 is present, then at least one of MEA03, MEA05, or MEA06 is required. Only one of MEA08 or MEA03 may be present.										
45-03		Line Item Value The value of the line item as reported on the Item Requisition and Receipt Data (IRRD) packing list.	M	R	1/20	2	160	O	10	20	2	L0	MEA03	739	C R 1/20

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DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
45-04		Unit or Basis for Measurement Code The element separator is not used in this template. Its elements are concatenated together without using a delimiter. CHANGE NOTE: Requirement attribute corrected.	M CE	2	160	O	10	20	2	L0	MEA04	C001	C	CE
45-04-01		Unit or Basis for Measurement Code DO - Dollars, U.S.	M ID 2/2	2	160	C	10	20	2	L0	C00101	355	M	ID 2/2
46		<b>MEA SEGMENT - Length, Height, Width</b> SEGMENT CONDITION: All dimensions are required for all 3PL carrier shipments.	C	2	160	O	10	20	2	L0				
46-02		Measurement Qualifier HT - Height  LN - Length  WD - Width	M ID 2/2	2	160	O	10	20	2	L0	MEA02	738	O	ID 1/3
46-03		Measurement	M R 1/20	2	160	O	10	20	2	L0	MEA03	739	C	R 1/20
46-04		Composite Unit of Measure	M CE	2	160	O	10	20	2	L0	MEA04	C001	C	CE
46-04-01		Unit or Basis for Measurement Code IN - Inch	M ID 2/2	2	160	C	10	20	2	L0	C00101	355	M	ID 2/2
47		<b>L0 SEGMENT - Dimensional Weight</b> LOOP CONDITION: Use when applicable.  Dimensional Weight is the chargeable weight computed on the basis of volume rather than actual weight.	C	2	145	O	1	20	2	L0				
47-04		Dimensional Weight When applicable, dimensional weight shall be calculated using the following formula: Length x Width x Height divided by 166 equals dimensional weight (all measurements in inches).	M R 1/10	2	145	O	1	20	2	L0	L004	81	C	R 1/10
47-05		Weight Qualifier A1 - Dimensional Weight	M ID 2/2	2	145	O	1	20	2	L0	L005	187	C	ID 1/2
47-11		Weight Unit Code L - Pounds	M ID 1/1	2	145	O	1	20	2	L0	L011	188	O	ID 1/1

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DoD INFORMATION				X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
48		<b>LH1 SEGMENT - HAZMAT</b>	C	2	170	O	1	100	2	LH1					
48-01		Unit or Basis for Measurement Code Use 'ZZ' in this data element to satisfy X12 syntax. ZZ - Mutually Defined	M ID 2/2	2	170	O	1	100	2	LH1	LH101	355	M	ID 2/2	
				LH101 and LH102 are used to convey the number and type of packages for bulk and nonbulk movements.											
48-02		Lading Quantity 0 - Entered to satisfy X12 syntax	M Numeric With No Decimal Places 1/1	2	170	O	1	100	2	LH1	LH102	80	M	NO 1/7	
48-03		UN/NA Identification Code United Nations/North America code identifying the hazardous material identification number as required by Title 49 Code of Federal Regulations (CFR).  SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	M ID 6/6	2	170	O	1	100	2	LH1	LH103	277	O	ID 6/6	
49		<b>LH2 SEGMENT - HAZMAT</b>	C	2	180	O	4	100	2	LH1					
				SEGMENT CONDITION: Required when HAZMAT is applicable.											
				If either LH206 or LH207 is present, then the other is required. If either LH208 or LH209 is present, then the other is required. If either LH210 or LH211 is present, then the other is required.											
49-01		Hazardous Classification Identifies the hazard class or division prescribed for the material as shown in column 3 of 49 CFR Table 172.101.  SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	M ID 1/30	2	180	O	4	100	2	LH1	LH201	215	O	ID 1/30	
50		<b>FA1 SEGMENT - TCN Appropriation Number Loop</b>	C	2	230	O	1	>1	2	FA1					
				LOOP CONDITION: REQUIRED except when transmitting data to carriers. Carriers do not need to receive appropriation data.											
				Begins the appropriation number loop. This contains the FA1 and FA2 segments. Shipper systems that are capable of receiving, storing, and sending structured DoD appropriation numbers may use this loop to exchange those numbers with trading partners.											
50-01		Agency Qualifier Code DF - Department of Defense (DoD)  DN - Department of the Navy  DX - United States Marine Corps  DY - Department of Air Force  DZ - Department of Army	M ID 2/2	2	230	O	1	>1	2	FA1	FA101	559	M	ID 2/2	
				FA101 Identifies the organization controlling the assignment of financial accounting information.											
51		<b>FA2 SEGMENT - TCN Appropriation Elements</b>	M	2	240	M	>1	>1	2	FA1					

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DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes			
51-01		Breakdown Structure Detail Code See Section 6 for list of data values.	M	ID	2/2	2	240	M	>1	>1	2	FA1	FA201	1196	M	ID	2/2
51-02		Financial Information Code When FA201 contains code value '84', FA202 should be formatted as a dollar amount including a decimal character and two positions after the decimal, representing cents even if the value is a whole dollar amount.	M	AN	1/80	2	240	M	>1	>1	2	FA1	FA202	1195	M	AN	1/80
52		<b>L10 SEGMENT - TCN Weight</b> SEGMENT CONDITION: Use except when transmitting HAZMAT data to carriers. Carriers do not need to receive appropriation data.	C			2	250	O	1	>1	2	FA1					
52-01		Weight Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	M	R	1/10	2	250	O	1	>1	2	FA1	L1001	81	M	R	1/10
52-02		Weight Qualifier N - Actual Net Weight	M	ID	1/1	2	250	O	1	>1	2	FA1	L1002	187	M	ID	1/2
52-03		Weight Unit Code L - Pounds	M	ID	1/1	2	250	O	1	>1	2	FA1	L1003	188	O	ID	1/1
53		<b>HL SEGMENT - Accessorial Service Description Loop</b> LOOP CONDITION: Use this loop when Accessorial Service applies  Begins Accessorial Service Level loop. This loop calls for an HL, L0, and L1 segments. This loop occurs once for each accessorial service that applies to the shipment.	C			2	010	M	1	>1	1	HL					
53-01		Hierarchical ID Number A sequential number assigned by the shipper's application system.	M	AN	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
53-03		Hierarchical Level Code SS - Services	M	ID	2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
54		<b>L0 SEGMENT - Accessorial Service</b>	M			2	145	O	1	20	2	L0					

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DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
54-01		Lading Line Item Number 1 - Entered to satisfy X12 syntax.	M	N0	1/1	2	145	O	1	20	2	L0	L001	213	O N0 1/3
55		<b>L1 SEGMENT - Accessorial Service Charge</b> SEGMENT CONDITION: Use when Accessorial Service Charge applies.	C		2	150	O	20	20	2	L0	If either L102 or L103 is present, then the other is required. At least one of L104, L105, or L106 is required. If either L114 or L115 is present, then the other is required. If either L117 or L118 is present, then the other is required.			
55-04		Service Charge The charge for an accessorial service. Use up to 9-digits with an implied decimal at the second position.	M	N2	2/12	2	150	O	20	20	2	L0	L104	58	C N2 1/12
55-08		Service Code See Section 6 for list of data values.	M	ID	3/3	2	150	O	20	20	2	L0	L108	150	O ID 3/3
56		<b>L1 SEGMENT - Shipping Cost</b> SEGMENT CONDITION: Use when Shipping Cost applies to accessorial services.	C		2	150	O	20	20	2	L0	If either L102 or L103 is present, then the other is required. At least one of L104, L105, or L106 is required. If either L114 or L115 is present, then the other is required. If either L117 or L118 is present, then the other is required.			
56-04		Shipping Cost	M	N2	2/12	2	150	O	20	20	2	L0	L104	58	C N2 1/12
57		<b>N1 SEGMENT - Destination</b> LOOP CONDITION: Required to accommodate the MRM 15 direction to use PowerTrack for small package/express shipments either this destination identifier loop or the one in Table 1 must appear.	C		2	290	O	1	4	2	N1	At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.			
57-01		Ship To Qualifier ST - Ship To	M	ID	2/2	2	290	O	1	4	2	N1	N101	98	M ID 2/3
57-02		Destination Name Name of party responsible for receiving delivery of the shipment.	M	AN	1/60	2	290	O	1	4	2	N1	N102	93	C AN 1/60
57-03		DoDAAC/CAGE Qualifier 10 - Department of Defense Activity Address Code (DODAAC) 33 - Commercial and Government Entity (CAGE)	C	ID	2/2	2	290	O	1	4	2	N1	N103	66	C ID 1/2
57-04		Destination DoDAAC or CAGE	C	AN	2/80	2	290	O	1	4	2	N1	N104	67	C AN 2/80
					This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.										

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DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes			
58		<b>N2 SEGMENT - Destination</b> SEGMENT CONDITION: Required to accommodate the MRM 15 direction to use PowerTrack for small package/express shipments either this destination segment or the one in Table 1 must appear.	C		2	300	O	2	4	2	N1						
58-01		Destination Name	M	AN	1/60	2	300	O	2	4	2	N1	N201	93	M	AN	1/60
59		<b>N3 SEGMENT - Destination</b> SEGMENT CONDITION: Required to accommodate the MRM 15 direction to use PowerTrack for small package/express shipments either this destination segment or the one in Table 1 must appear.	C		2	310	O	2	4	2	N1						
59-01		Destination Address Information	M	AN	1/55	2	310	O	2	4	2	N1	N301	166	M	AN	1/55
59-02		Destination Address Information	C	AN	1/55	2	310	O	2	4	2	N1	N302	166	O	AN	1/55
60		<b>N4 SEGMENT - Destination City, State/Province, ZIP/Postal Code, and Country</b> SEGMENT CONDITION: Required to accommodate the MRM 15 direction to use PowerTrack for small package/express shipments either this destination segment or the one in Table 1 must appear.	C		2	320	O	1	4	2	N1						
60-01		Destination City Name	M	AN	2/30	2	320	O	1	4	2	N1	N401	19	O	AN	2/30
														A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.			
60-02		Destination State/Province Code ELEMENT CONDITION: Required when applicable, since this information is not always available for international shipments.  SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	2	320	O	1	4	2	N1	N402	156	O	ID	2/2
														N402 is required only if city name (N401) is in the U.S. or Canada.			
60-03		Destination ZIP/Postal Code ELEMENT CONDITION: Required when applicable, since this information is not always available for international shipments.  SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C	ID	5/9	2	320	O	1	4	2	N1	N403	116	O	ID	3/15

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DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
60-04		Destination Country Code  ELEMENT CONDITION: When the shipment moves from CONUS-to-CONUS or OCONUS-to-OCONUS, use the two- or three-character abbreviation code for the country where delivery will occur.  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 <a href="http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm">http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm</a> . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C ID 2/3	2	320	O	1	4	2	N1	N404	26	O ID 2/3	
61		<b>L3 SEGMENT - Total Charge for Shipment</b>	M	3	010	O	1							
61-05		Total Charge for Shipment Calculated charge for entire shipment including linehaul and accessorial services.	M N2 2/12	3	010	O	1				L305	58	O N2 1/12	
62		<b>SE SEGMENT - Express Package Trailer</b>	M	3	020	M	1							
62-01		Number of Included Segments Total segments in this transaction set including the ST and SE segments.	M N0 1/10	3	020	M	1				SE01	96	M N0 1/10	
62-02		Transaction Set Control Number This data element ends the transaction set and should match the number that appears in the ST02 that begins the transaction set.	M AN 4/9	3	020	M	1				SE02	329	M AN 4/9	

## Section 5.0

### IC ELEMENTS IN EDI FORMAT

This section contains one example of the express package bill of lading data requirement mapped to the ASC X12 transaction set 858 Shipment Information.

## Example - DLA Ten Pound Package

ST~858~123450001 n/l	Transaction set header
BX~00~AE~CD~{airbill number}~{SCAC}~B n/l	Bill of lading number and carrier SCAC
N9~E4~9988776655443322 n/l	Credit card number
G62~54~19981231 n/l	Required delivery date
G62~76~19981230 n/l	Bill prepared date
N1~ST~{Entity sent to}~10~{DoDAAC} n/l	Ship to address
N4~Ogden~UT~78909 n/l	City and zip code
N1~SF~Defense Depot Richmond n/l	Origin
N1~PO~~10~{DoDAAC} n/l	Party to receive invoice
FA1~DF n/l	
FA2~A1~{Department} n/l	
FA2~A3~{Fiscal year} n/l	
FA2~A4~{Basic symbol number} n/l	
FA2~B5~{Fund Code} n/l	
FA2~C2~{Project Task} n/l	
HL~1~~9 n/l	Package description loop
N9~TG~{Transportation control number} n/l	
N9~08~{Carrier assigned tracking number} n/l	
L0~~~~10~FR~~~~~L n/l	Package weight of 10 lbs.
L1~~~~3500 n/l	Charge of \$35.00
HL~2~~SS n/l	Accessorial service loop
L0~1 n/l	
L1~~~~00~~~~665 n/l	Saturday delivery, no extra charge
L3~~~~3500 n/l	Total charges
SE~25~123450001 n/l	Number of segments and transaction ID

## Section 6.0

### APPLICATION CODE LISTS

## 7-01 -- Carrier Data Qualifier

Data Value - Definition
AW - Air Waybill Number <i>** Use 'AW' to denote Tracking Number Qualifier.</i>
BA - Retirement Plan Policy Number <i>** Use 'BA' to denote Bill To Account Number Qualifier.</i>
BT - Batch Number
CB - Combined Shipment
DV - Diversion Authority Number <i>** Use 'DV' to denote Declared Value Qualifier.</i>
ED - Export Declaration <i>** Use 'ED' to denote TAC Code Qualifier.</i>
GL - Geographic Destination Zone Number
HT - Code of Federal Regulations <i>** Use 'HT' to denote Height Qualifier.</i>
L1 - Letters or Notes <i>** Use 'L1' to denote Product Qualifier.</i>
LN - Non pickup Limited Tariff Number <i>** Use 'LN' to denote Length Qualifier.</i>
MG - Meter Number
P8 - Pickup Reference Number
PQ - Payee Identification
PR - Price Quote Number <i>** Use 'PR' to denote Pickup record number qualifier.</i>
QY - Service Performed Code
RN - Run Number
SI - Shipper's Identifying Number for Shipment (SID) <i>** Use 'SI' to denote Shippers Identifying Number.</i>
SV - Service Charge Number <i>** Use 'SV' to denote Service Level Qualifier.</i>
TG - Transportation Control Number (TCN) <i>** Use 'TG' to denote TCN Number Qualifier.</i>
WD - Review Period Number <i>** Use 'WD' to denote Width Qualifier.</i>
ZZ - Mutually Defined <i>** Use 'ZZ' to denote Shipper's Reference Number Qualifier.</i>

## 31-01 -- Breakdown Structure Detail Code

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

## 51-01 -- Breakdown Structure Detail Code

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

## 55-08 -- Service Code

### Data Value - Definition

080 - Air Transportation Charge  
260 - Delivery Surcharge  
**\*\* Use '260' to denote Delivery Area - Commercial, Extended, Alaska, Hawaii, Metro, US, Outside US, Canada.**  
510 - Offshore - Alaska/Hawaii  
**\*\* Use '510' to denote Offshore Alaska/Hawaii.**  
535 - Pickup - Out of Area  
**\*\* Use '535' to denote Pickup Out of Area.**  
645 - Restricted Article Fee  
665 - Saturday Delivery  
670 - Saturday Pick-Up  
690 - Special Handling Service  
**\*\* Use '690' to denote Additional Handling.**  
COD - COD Amount  
COL - Fee for Collecting COD Charge  
**\*\* Use 'COL' to denote Fee for Collection COD.**  
CTG - Cartage Charge  
EVC - Excessive Value Charge  
**\*\* Use 'EVC' to denote Excess Value Charge.**  
FUE - Fuel Charge  
**\*\* Use 'FUE' to denote Fuel Surcharge.**  
HAZ - Hazardous Cargo Charge  
**\*\* Use 'HAZ' to denote Hazardous Materials.**  
HDG - Holding Charge  
HMA - Accessible Hazardous Material  
HMI - Inaccessible Hazardous Material  
HOL - Sunday or Holiday Pick-up or Delivery  
IDL - Inside Delivery  
INC - Insurance Surcharge  
IPU - Inside Pick-up  
LIE - Liability of Carrier Charge  
NCH - Order Notify Charge  
NDA - Next Day Air  
OCP - On Call Pickup  
OUT - Out of Zone Pick-up or Delivery  
**\*\* Use 'OUT' to denote Delivery Out of Area.**  
OVN - Overnight  
OVR - Over Dimension  
**\*\* Use 'OVR' to denote Oversized/Large Package.**  
PDY - Pickup and Delivery Beyond Service Area Charge  
PMS - Pickup of Shipments Requiring Same Day Delivery Service Charge  
POD - Proof of Delivery  
PYS - Priority Service Charge  
RCC - Reconsignment Charge  
REP - Residential Pick-up  
**\*\* Use 'REP' to denote Residential Pickup.**  
RES - Residential Delivery  
SAT - Saturday Pick-up or Delivery Charge  
SCN - Second Day  
SDW - Second Day Hundredweight  
STG - Standard Ground  
ZZZ - Mutually Defined