



Department
of
Defense

DoD
Transportation
Electronic
Business (DTEB)
Convention

ASC X12 Transaction Set 858
Shipment Information
(Version 004010) – Commercial
Air Transportation Notification

FINAL DRAFT

September 2008



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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 Commercial Air Carrier Transportation Information using the ASC X12 Transaction Set 858 Shipment Information (Version 004010).

For further information about the Defense Transportation community's Electronic Business (DTEB) program, contact the following:

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

To obtain DoD conventions or ASC X12 guidance or to recommend DoD conventions or ASC X12 maintenance, contact the following:

Defense Logistics Management Standards Office
Attn: DLMSO
8725 John J. Kingman Road
Ft. Belvoir VA 22060-6217

For the most recent publication, go to the World-Wide Web at
[https://dteb.lmi.org/dod/dteb.nsf/\(DocLevel2\)?OpenView&cat1=IC&cat2=4010](https://dteb.lmi.org/dod/dteb.nsf/(DocLevel2)?OpenView&cat1=IC&cat2=4010)

[Instructions: At the web location, sign on as 'Guest'. Select the desired Implementation Convention document. That document is available in PDF format and may be downloaded or printed.]

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.

Section 2.0

CONTROL SEGMENTS

Overview

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

Purpose

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

Contents

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

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

Special Instructions

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

DATA ELEMENT SEPARATOR

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

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

SEGMENT TERMINATOR

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

COMPONENT ELEMENT SEPARATOR

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

GS01 CODE VALUE

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

X12 PUBLICATION

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

Interchange Control Envelope Control Segments

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

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Segment: ISA Interchange Control Header

Usage: Mandatory

Max Use: 1

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

DATA ELEMENT SUMMARY

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

M	ISA05	I05	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified	M ID 2/2
<p>Select appropriate code value for sender from 4010 X12 code list for data element I05. For Department of Defense Agency Address Code (DoDAAC) use code value '10'.</p>				
M	ISA06	I06	Interchange Sender ID Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element.	M AN 15/15
<p>DoD activities use DoDAAC or other code coordinated with trading partners. Non-DoD activities use identification code qualified by ISA05 and coordinated with network value added network (VAN) Administrator.</p>				
M	ISA07	I05	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified	M ID 2/2
<p>Select appropriate code value for receiver from 4010 X12 code list for data element I05. For DoDAAC use code value '10'.</p>				
M	ISA08	I07	Interchange Receiver ID Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them.	M AN 15/15
<p>DoD activities use DoDAAC or other code coordinated with trading partners. Non-DoD activities use identification code qualified by ISA05 and coordinated with VAN Administrator.</p>				

M	ISA09	I08	Interchange Date Date of the interchange	M DT 6/6
			Date in MMDDYY format assigned by translation software	
M	ISA10	I09	Interchange Time Time of the interchange	M DT 4/4
			Time in HHMM format assigned by translation software	
M	ISA11	I10	Interchange Control Standards Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer	M ID 1/1
			<u>Code</u>	<u>Definition</u>
			U	U.S. EDI Community of ASC X12, TDCC, and UCS
M	ISA12	I11	Interchange Control Version Number This version number covers the interchange Control segments.	M ID 5/5
			<u>Code</u>	<u>Definition</u>
			00401	Draft Standards for Trial Use Approved for Publication by ASC 12 Procedures Review Board through October 1997
			Version/release of control segment, as agreed upon by the trading partners	
M	ISA13	I12	Interchange Control Number A control number assigned by the interchange sender	M N0 9/9
			Number assigned by translation software. The sender, receiver, and all third parties should be able to maintain an audit trail of interchanges using this number.	
M	ISA14	I13	Acknowledgment Requested Code sent by the sender to request an interchange acknowledgment (TA1)	M ID 1/1
			<u>Code</u>	<u>Definition</u>
			0	No Acknowledgment Requested
			1	Interchange Acknowledgment Requested
			Send code agreed upon by trading partners.	

M ISA15 I14

Usage Indicator

M ID 1/1

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

<u>Code</u>	<u>Definition</u>
I	Information
P	Production Data
T	Test Data

Use code value as agreed upon by trading partners.

M ISA16 I15

Component Element Separator

AN 1/1

Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator.

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

Segment: **GS Functional Group Header**

Usage: **Mandatory**

Max Use: **1**

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

DATA ELEMENT SUMMARY

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

M	GS04	373	<p>Date M DT 8/8 Date expressed as CCYYMMDD. Information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)</p> <p style="background-color: #e0e0e0; padding: 2px;">Date assigned by translation software</p>				
M	GS05	337	<p>Time M TM 4/8 Time expressed in 24-hour clock time as follows: HHMM or HHMMSS, or HHMMSSD, or HHMMSSDD, where H – hours (00-23), M = minutes (00-59), S = integer seconds (00-59), and D = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)</p> <p style="background-color: #e0e0e0; padding: 2px;">Time expressed in HHMM format assigned by translation software</p>				
M	GS06	28	<p>Group Control Number M N0 1/9 Assigned number originated and maintained by the sender</p> <p style="background-color: #e0e0e0; padding: 2px;">Number assigned by translation software. The sender, receiver, and all third parties should be able to maintain an audit trail of interchanges using this number.</p>				
M	GS07	455	<p>Responsible Agency Code M ID 1/1 Code used in conjunction with Data Element 480 to identify the issuer of the standard.</p> <table border="0" style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;"><u>Code</u></th> <th style="text-align: left; border-bottom: 1px solid black;"><u>Definition</u></th> </tr> </thead> <tbody> <tr> <td style="padding-left: 20px;">X</td> <td>Accredited Standards Committee X12</td> </tr> </tbody> </table>	<u>Code</u>	<u>Definition</u>	X	Accredited Standards Committee X12
<u>Code</u>	<u>Definition</u>						
X	Accredited Standards Committee X12						
M	GS08	480	<p>Version / Release / Industry Identified Code M AN 6/6 Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by the user), if code in DE455 in GS segment is T, then other formats are allowed.</p> <table border="0" style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;"><u>Code</u></th> <th style="text-align: left; border-bottom: 1px solid black;"><u>Definition</u></th> </tr> </thead> <tbody> <tr> <td style="padding-left: 20px;">004010</td> <td>Draft Standard Approved for Publication by ASC X12 Procedures Review Board through October 1997</td> </tr> </tbody> </table> <p style="background-color: #e0e0e0; padding: 2px; margin-top: 10px;">This is the version/release for all transactions within a functional group. See X12 4010 Dictionary for source code list. Note: optional positions 7- 12 are not used by the DTEB community.</p>	<u>Code</u>	<u>Definition</u>	004010	Draft Standard Approved for Publication by ASC X12 Procedures Review Board through October 1997
<u>Code</u>	<u>Definition</u>						
004010	Draft Standard Approved for Publication by ASC X12 Procedures Review Board through October 1997						

Segment: GE Functional Group Trailer
 Usage: Mandatory
 Max Use: 1
 Purpose: To indicate the end of a functional group and to provide control information

DATA ELEMENT SUMMARY

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

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Segment: IEA Interchange Control Trailer
 Usage: Mandatory
 Max Use: 1
 Purpose: To define the end of an interchange of zero or more functional groups and interchange related control segments

DATA ELEMENT SUMMARY

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

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Section 3.0

STANDARD IMPLEMENTATION CONVENTION

This section presents the DoD's convention for generating 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
					2
Not Used	220	E1	Empty Car Disposition - Pended Destination Consignee	O	1
Not Used	230	E4	Empty Car Disposition - Pended Destination City	O	1
Not Used	240	E5	Empty Car Disposition - Pended Destination Route	O	13
Not Used	245	PI	Price Authority Identification	O	1
Not Used	250	M1	Insurance	O	1
Not Used	260	M2	Sales/Delivery Terms	O	1
Not Used	270	L7	Tariff Reference	O	30
Not Used	280	NTE	Note/Special Instruction	O	50
Not Used	290	XH	Pro Forma - B13 Information	O	1
					600
Not Used	330	N7	Equipment Details	O	1
Not Used	331	EM	Equipment Characteristics	O	1
Not Used	335	NA	Cross-Reference Equipment	O	30
Not Used	340	M7	Seal Numbers	O	5
Not Used	350	N5	Equipment Ordered	O	1
Not Used	360	REF	Reference Identification	O	5
Not Used	370	IC	Intermodal Chassis Equipment	O	1
Not Used	375	VC	Motor Vehicle Control	O	21
Not Used	380	GA	Canadian Grain Information	O	15
					2
Not Used	381	E1	Empty Car Disposition - Pended Destination Consignee	O	1
Not Used	382	E4	Empty Car Disposition - Pended Destination City	O	1
Not Used	383	E5	Empty Car Disposition - Pended Destination Route	O	13
Not Used	384	PI	Price Authority Identification	O	1
					12
	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
					999
Not Used	450	S5	Stop-off Details	O	1
Not Used	460	G62	Date/Time	O	6
Not Used	470	N9	Reference Identification	O	10
Not Used	480	H6	Special Services	O	6
					5
Not Used	490	N1	Name	O	1
Not Used	500	N2	Additional Name Information	O	2

Not Used	510	N3	Address Information	O	2	
Not Used	520	N4	Geographic Location	O	1	
Not Used	530	REF	Reference Identification	O	12	
Not Used	540	PER	Administrative Communications Contact	O	3	
LOOP ID - FA1					>1	
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		
	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	
LOOP ID - N1					4	
	290	N1	Name	O	1	
	300	N2	Additional Name Information	O	2	
	310	N3	Address Information	O	2	
	320	N4	Geographic Location	O	1	

Summary:

	<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:

Notes: [001] ST SEGMENT - Express Package Header

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
M	ST01	143 Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set	
		[002] Transaction Set Identifier Code	
		858 Shipment Information	
		[002] 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	
		[003] 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: [004] 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	Transaction Set Purpose Code	M ID 2/2
			Code identifying purpose of transaction set	
			[005] Transaction Set Purpose Code	
		00	Original	
			[005] Original	
		01	Cancellation	
			[005] Cancellation	
		04	Change	
			[005] Change	
		14	Advance Notification	
			[005] Advance Notification	
M	BX02	91	Transportation Method/Type Code	M ID 1/2
			Code specifying the method or type of transportation for the shipment	
			[006] Transportation Method/Type Code (Mode Code)	
		AE	Air Express	
			[006] Air Express	
		AF	Air Freight	
			[006] Air Freight	
		AH	Air Taxi	
			FAA approved carrier utilizing a 1 or 2 engine aircraft for on demand service	
			[006] 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"
				[006] Air Freight Forwarder
			MP	Motor (Package Carrier)
				[006] Motor (Package Carrier)
M	BX03	146	Shipment Method of Payment	M ID 2/2
				Code identifying payment terms for transportation charges
				[007] Shipment Method of Payment
			CD	Collect on Delivery
				[007] Collect on Delivery
			PP	Prepaid (by Seller)
				[007] Prepaid (by Seller)
			TP	Third Party Pay
				[007] Third Party Pay
>>	BX04	145	Shipment Identification Number	O AN 1/30
				Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)
				[008] Commercial Bill of Lading Number
				Use this element to identify the shipper assigned bill of lading number.
>>	BX05	140	Standard Carrier Alpha Code	O ID 2/4
				Standard Carrier Alpha Code
				[009] Standard Carrier Alpha Code
				The industry assigned alpha code representing the carrier who received the shipment.
X	BX06	188	Weight Unit Code	O ID 1/1
				Code specifying the weight unit
				Refer to 004010 Data Element Dictionary for acceptable code values.
X	BX07	147	Shipment Qualifier	O ID 1/1
				Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time
				Refer to 004010 Data Element Dictionary for acceptable code values.
X	BX08	226	Section Seven Code	O ID 1/1
				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	BX09	195	Capacity Load Code	O ID 1/1
				Code specifying type of capacity load
				Refer to 004010 Data Element Dictionary for acceptable code values.
X	BX10	160	Status Report Request Code	O ID 1/1
				Code used by the shipper to specify that an automatic status report is requested when the shipment is delivered
				Refer to 004010 Data Element Dictionary for acceptable code values.

X	BX11	501	Customs Documentation Handling Code	O ID 2/2
			Code defining method of handling for documentation Refer to 004010 Data Element Dictionary for acceptable code values.	
X	BX12	199	Confidential Billing Request Code	O ID 1/1
			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	BX13	714	Goods and Services Tax Reason Code	O ID 1/1
			Code required to identify the reason for a 0% rated goods and services tax Refer to 004010 Data Element Dictionary for acceptable code values.	
	BX14	346	Application Type	O ID 2/2
			Code identifying an application [010] Application Type Use when broker. Use migration code value 'BF' to denote Broker Files.	

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:

[011] N9 SEGMENT - Carrier Waybill/PRO Number
[014] N9 SEGMENT - Carrier Pickup Number
[017] N9 SEGMENT - Credit Card Number
Use this segment if the shipper is following credit card procedures to pay the carrier.
[020] N9 SEGMENT - Carrier Data
[023] N9 SEGMENT - Number of Items on Manifest
SEGMENT CONDITION: Required for DLA DHL shipments. Otherwise segment is not used.
[026] N9 SEGMENT - Departure Airport Code
SEGMENT CONDITION: Required for DLA DHL shipments. Otherwise segment is not used.
[029] N9 SEGMENT - Product Code
SEGMENT CONDITION: Required for DLA UPS SCS (Emery/Menlo) shipments. Otherwise segment is not used.

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	N901	128 Reference Identification Qualifier	M ID 2/3

Code qualifying the Reference Identification

[021] Carrier Data Qualifier

See Section 6.0 (DTEB COMMERCIAL AIR TRANSPORTATION NOTIFICATION Implementation Convention) for codes used to communicate carrier specific data.

To find Section 6.0 on the web, go to

[https://dteb.lmi.org/dod/dteb.nsf/\(DocLevel2\)?OpenView&cat1=IC&cat2=4010](https://dteb.lmi.org/dod/dteb.nsf/(DocLevel2)?OpenView&cat1=IC&cat2=4010)

[Instructions: At that web location sign in as Guest and select the desired implementation convention. That document is available in PDF format.]

CHANGE NOTE: User note changed per NVR DM 779.

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	Time Code	O ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	N907	C040	Reference Identifier	O
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	
X	C04001	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	C04002	127	Reference Identification	M AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
X	C04003	128	Reference Identification Qualifier	X ID 2/3
			Code qualifying the Reference Identification	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	C04004	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
X	C04005	128	Reference Identification Qualifier	X ID 2/3
			Code qualifying the Reference Identification	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	C04006	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment: **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: [032] C3 SEGMENT - Currency Code
This segment indicates the currency used for the bill of lading. The segment is not required, and will not be used, when currency is in U.S. Dollars.

Data Element Summary

Ref.	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	
		[033] 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:	
		http://www.iso.org/iso/en/prods-services/popstds/currencycodeslist.html .	
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:**
- [034] G62 SEGMENT - Required Delivery Date (RDD)
 - [039] G62 SEGMENT - Carrier Pickup Date
 - [044] G62 SEGMENT - Bill Prepared Date

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
>>	G6201	432	Date Qualifier	X ID 2/2
			Code specifying type of date	
			[035] Date Qualifier	
			[045] Date Qualifier	
			[040] Date Qualifier	
		54	Deliver No Later Than Date	
			[035] Deliver No Later Than Date	
		76	Bill of Lading	
			[045] Bill of Lading	
		86	Actual Pickup Date	
			[040] Actual Pickup Date	
>>	G6202	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
			[036] Required Delivery	
			Latest date the shipment is expected to be delivered. Use CCYYMMDD format.	
			[041] Carrier Pickup Date	
			Date shipment is picked up from the shipper by the carrier. Use CCYYMMDD format.	
			[046] Bill of Lading Prepared Date	
			Date shipment is prepared by the shipper. Use CCYYMMDD format.	
>>	G6203	176	Time Qualifier	X ID 1/2
			Code specifying the reported time	
			[037] Time Qualifier	
			[042] Time Qualifier	
		4	Pickup Requested Scheduled Time	

[037] Pickup Requested Scheduled Time

8

Actual Pickup Time

[042] Actual Pickup Time

G6204 337 Time X TM 4/8

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

[038] Delivery Time

Latest time the shipment is expected to be delivered. Use HHMM format.

[043] Carrier Pickup Time

Time shipment is picked up from the shipper by the carrier. Use HHMM format.

X G6205 623 Time Code O ID 2/2

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

Refer to 004010 Data Element Dictionary for acceptable code values.

Segment: **N1** Name

Position: 390

Loop: N1 Optional

Level: Heading

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:

[047] N1 SEGMENT - Destination
 SEGMENT 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.

[066] N1 SEGMENT - Origin
 Begins origin identifier loop. This loop calls for an N1, N2, N3, N4, and REF segments.

[084] N1 SEGMENT - Party to Receive Carrier's Invoice
 Begins loop. This loop calls for a single N1 segment.

[091] 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.

[095] N1 SEGMENT - Hold at Location Address

[109] N1 SEGMENT - Issuing Office GBLOC

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	M ID 2/3
M	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual [092] Payer Identifier Code [110] Issuing Office Qualifier [085] Party to Receive Carrier's Invoice Qualifier [067] Origin Qualifier [048] Destination Qualifier [096] Hold at Location Qualifier	M ID 2/3 BT Bill-to-Party [092] Bill-to-Party IU Issuer

			[086] Department of Defense Activity Address Code (DODAAC)	
		25	Carrier's Customer Code	
			[069] Carriers Customer Code	
			[093] Carriers Customer Code	
		27	Government Bill Of Lading Office Code (GBLOC)	
			[112] Government Bill Of Lading Office Code (GBLOC)	
		33	Commercial and Government Entity (CAGE)	
			[050] Commercial and Government Entity (CAGE)	
			[069] Commercial and Government Entity (CAGE)	
X	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
			[051] Destination DoDAAC or CAGE	
			Code that identifies the activity responsible for receiving delivery of the shipment. (Use 5 or 6 characters.)	
			[070] Origin DoDAAC/CAGE/Account Code	
			Identification code of the responsible activity at the pickup location.	
			CHANGE NOTE: Account Code added to data element name per DM #683.	
			[087] 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.	
			[094] Payer Account Number	
			The format of payer account number should be specified in the trading partner agreement.	
			[113] Issuing Office GBLOC	
X	N105	706	Entity Relationship Code	O ID 2/2
			Code describing entity relationship	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	N106	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **N2 Additional Name Information**
Position: 400
Loop: N1 Optional
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: [052] 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.
 [071] N2 SEGMENT - Origin
 [088] N2 SEGMENT - Additional Name

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	N201	93	Name	M AN 1/60
			Free-form name	
			[053] Destination Additional Name	
			[072] Origin Additional Name	
			[089] Additional Name	
	N202	93	Name	O AN 1/60
			Free-form name	
			[090] Additional Name	

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

Notes: [054] 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.
 [073] N3 SEGMENT - Origin
 [098] N3 SEGMENT - Hold at Location Street Address

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	N301	166	Address Information	M AN 1/55
			Address information	
			[055] Destination Street	
			[074] Origin Street	
			[099] Hold at Location Street Address	
	N302	166	Address Information	O AN 1/55
			Address information	
			[056] Destination Street Additional	
			[075] Origin Street Additional	

Segment: **N4 Geographic Location**
Position: 420
Loop: N1 Optional
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: [057] 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.
 [076] N4 SEGMENT - Origin City, State/Province, ZIP/Postal Code, and Country
 [100] N4 SEGMENT - Hold at Location City, State/Province, ZIP/Postal Code, and Country

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>> N401	19	City Name	O AN 2/30
		Free-form text for city name	
		[058] Destination City	
		[077] Origin City	
		[101] Hold at Location City Name	
N402	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
		[059] Destination State/Province Code	
		[078] Origin State/Province Code	
		[102] Hold at Location State/Province Code	
N403	116	Postal Code	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
		[060] Destination Zip/Postal Code	
		If a postal code exists, it is required.	
		[079] Origin Zip/Postal Code	
		If a postal code exists, it is required.	
		[103] Hold at Location Zip/Postal Code	
N404	26	Country Code	O ID 2/3
		Code identifying the country	
		[061] Destination Country Code	

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.

[080] Origin Country Code

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.

[104] Hold at Location Country Code

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: **REF** Reference Identification

Position: 430

Loop: N1 Optional

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: [081] REF SEGMENT - Carrier Origin Code

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification [082] Reference Identification Qualifier 4B Shipment Origin Code [082] Shipment Origin Code	M ID 2/3
>>	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier [083] Carrier Origin Code Carrier assigned number representing pickup location.	X AN 1/30
X	REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80
X	REF04	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
X	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/3
X	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
X	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/3
X	C04004	127	Reference Identification	X AN 1/30

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

X **C04005** **128** **Reference Identification Qualifier** **X** **ID 2/3**

Code qualifying the Reference Identification

Refer to 004010 Data Element Dictionary for acceptable code values.

X **C04006** **127** **Reference Identification** **X** **AN 1/30**

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

Segment: **PER** Administrative Communications Contact
Position: 440
Loop: N1 Optional
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: [062] PER SEGMENT - Destination Contact
 SEGMENT CONDITION: Provide when applicable. Not always available for DLA shipments.
 [105] PER SEGMENT - Hold at Location Contact

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	PER01	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
			[106] Hold at Location Contact Qualifier	
			[063] Contact Function Code	
		CN	General Contact	
			[106] General Contact	
		EM	Emergency Contact	
			[063] Emergency Contact	
X	PER02	93	Name	O AN 1/60
			Free-form name	
>>	PER03	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number	
			[064] Communication Number Qualifier	
			[107] Hold at Location Contact Commercial Phone Qualifier	
		TE	Telephone	
			[064] Telephone	
			[107] Telephone	
>>	PER04	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable	
			[065] Destination Contact Phone Number	
			The commercial phone number (Not FTS or DSN) of the party	

responsible for receiving delivery of the shipment.
[108] Hold at Location Contact Commercial Phone Number

X	PER05	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	
X	PER06	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable	
X	PER07	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	
X	PER08	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable	
X	PER09	443	Contact Inquiry Reference	O AN 1/20
			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: [114] FA1 SEGMENT - Appropriation Number
 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

Ref.	Data	Data Element Summary		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	FA101	559	Agency Qualifier Code	M ID 2/2
			Code identifying the agency assigning the code values	
			[115] Agency Qualifier Code	
			Use code value 'HS' to denote Department of Homeland Security/US Coast Guard.	
		DF	Department of Defense (DoD)	
			[115] Department of Defense (DoD)	
		DN	Department of the Navy	
			[115] Department of the Navy	
		DX	United States Marine Corps	
			[115] United States Marine Corps	
		DY	Department of Air Force	
			[115] Department of Air Force	
		DZ	Department of Army	
			[115] Department of Army	
		HS	Department of Health and Human Services	
			[115] Department of Health and Human Services	
X	FA102	1300	Service, Promotion, Allowance, or Charge Code	O ID 4/4
			Code identifying the service, promotion, allowance, or charge	

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: [116] FA2 SEGMENT - Appropriation Number

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	FA201	1196	Breakdown Structure Detail Code	M ID 2/2
			Codes identifying details relating to a reporting breakdown structure tree	
			[117] Breakdown Structure Detail Code	
		84	Total Direct Costs	[117] Total Direct Costs
		A1	Department Indicator	[117] Department Indicator
		A2	Transfer from Department	[117] Transfer from Department
		A3	Fiscal Year Indicator	[117] Fiscal Year Indicator
		A4	Basic Symbol Number	[117] Basic Symbol Number
		A5	Sub-class	[117] Sub-class
		A6	Sub-Account Symbol	[117] Sub-Account Symbol
		AT	Air Force Transportation Account Code (ATAC)	[117] Air Force Transportation Account Code (ATAC)
		B1	Budget Activity Number	[117] Budget Activity Number
		B2	Budget Sub-activity Number	[117] Budget Sub-activity Number
		B3	Budget Program Activity	[117] Budget Program Activity
		C1	Program Element	

	[117] Program Element
C2	Project Task or Budget Subline
	[117] Project Task or Budget Subline
D1	Defense Agency Allocation Recipient
	[117] Defense Agency Allocation Recipient
D4	Component Sub-allocation Recipient
	[117] Component Sub-allocation Recipient
D6	Sub-allotment Recipient
	[117] Sub-allotment Recipient
D7	Work Center Recipient
	[117] Work Center Recipient
E1	Major Reimbursement Source Code
	[117] Major Reimbursement Source Code
E2	Detail Reimbursement Source Code
	[117] Detail Reimbursement Source Code
E3	Customer Indicator
	[117] Customer Indicator
F1	Object Class
	[117] Object Class
F3	Government or Public Sector Identifier
	[117] Government or Public Sector Identifier
G2	Special Interest Code or Special Program Cost Code
	[117] Special Interest Code or Special Program Cost Code
I1	Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC)
	[117] Abbreviated Department of Defense (DoD) Budget and Accounting Classification
J1	Document or Record Reference Number
	[117] Document or Record Reference Number
K6	Accounting Classification Reference Code
	[117] Accounting Classification Reference Code
L1	Accounting Installation Number
	[117] Accounting Installation Number
M1	Local Installation Data
	[117] Local Installation Data
MD	Movement Designator Code (MDC)
	[117] Movement Designator Code (MDC)
N1	Transaction Type
	[117] Transaction Type
P5	Foreign Military Sales (FMS) Line Item Number

[117] Foreign Military Sales (FMS) Line Item Number

TA Transportation Account Code (TAC)

[117] Transportation Account Code (TAC)

ZZ Mutually Defined

[117] Mutually Defined

M FA202 1195 Financial Information Code M AN 1/80

Code representing financial accounting information

[118] 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.

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: [119] 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.
[218] 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.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	HL01	628 Hierarchical ID Number	M AN 1/12
		A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
		[120] Hierarchical ID Number A sequential number assigned by the shipper's application system.	
		[219] Hierarchical ID Number A sequential number assigned by the shipper's application system.	
X	HL02	734 Hierarchical Parent ID Number	O AN 1/12

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: [122] SL1 SEGMENT - Level of Service
 Use for DLA Level of Service.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	SL101	284 Service Level Code	M ID 2/2
		Code indicating the level of transportation service or the billing service offered by the transportation carrier	
		[123] Service Level Code	
		CX Express Service	
		[123] Express Service	
		ND Next Day Air	
		Delivery during business day hours of next business day	
		[123] Next Day Air	
		ON Overnight	
		[123] Overnight	
		SC Second Day Air	
		Delivery during business day hours no later than second business day	
		[123] Second Day Air	
		SE Second Day	
		[123] Second Day	
		SG Standard Ground	
		[123] Standard Ground	
		SH Second Day Hundred Weight	
		[123] Second Day Hundred Weight	
X	SL102	171 Tariff Number	O AN 1/7
		Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	

>>	SL103	22	Commodity Code	X AN 1/30
			Code describing a commodity or group of commodities	
			[124] Commodity Code	
			Use value 'ZZ' to satisfy X12 syntax.	
	SL104	320	Scale	X AN 1/10
			A carrier-maintained reference used to further identify a schedule of rates within a tariff	
			[125] Scale	
			Required only for DLA UPS SCS (Emery/Menlo) shipments. Zero fill for UPS SCS syntax compliance.	
X	SL105	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	
X	SL106	284	Service Level Code	O ID 2/2
			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.	
	SL107	146	Shipment Method of Payment	O ID 2/2
			Code identifying payment terms for transportation charges	
			[126] Shipment Method of Payment	
			Required for DLA DHL shipments only if third party is paying.	
			TP Third Party Pay	
			[126] Third Party Pay	
X	SL108	982	Data Source Code	O ID 2/2
			Code identifying source of data	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	SL109	210	International/Domestic Code	O ID 1/1
			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:**
- [127] N9 SEGMENT - TCN
 - [130] N9 SEGMENT - Project Code
 - [133] N9 SEGMENT - Carrier Tracking Number
 - [136] N9 SEGMENT - Package Aggregation Number
Use this segment when aggregating packages is required.
 - [139] N9 SEGMENT - Rate Code Number
 - [142] N9 SEGMENT - Passenger Cargo Notification
SEGMENT CONDITION: Required for DLA UPS SCS (Emery/Menlo) shipments. Otherwise segment is not used.
 - [145] N9 SEGMENT - Arrival Airport Code
SEGMENT CONDITION: Required for DLA DHL shipments. Otherwise segment is not used.
 - [148] N9 SEGMENT - Product Code
SEGMENT CONDITION: Required for DLA DHL shipments. Otherwise segment is not used.
 - [151] N9 SEGMENT - DoD Identification Code (DoDIC)
Required for DTTS if the hazardous shipment contains ammunition.

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
M	128 Reference Identification Qualifier	M ID 2/3
	Code qualifying the Reference Identification	
	[134] Reference Number Qualifier	
	[152] DoDIC Qualifier	
	[137] Reference Number Qualifier	
	[131] Reference Identification Qualifier	
	[149] Product Code Qualifier Use code value 'PRT' to denote Product Code.	
	[140] Reference Number Qualifier	
	[146] Arrival Airport Code Qualifier Use code value 'RU' to denote Arrival Airport Code.	
	[128] Reference Identification Qualifier	

Notification indicator. Default value is 'C'.

If shipment is not hazardous and flying, then do not use this segment.

[147] Arrival Airport Code

Enter the airport code of the country to which the shipment is going.

[150] Product Code

Enter the following values as indicated:

Enter value 'D' for Document

Enter value 'P' for Parcel

Enter value 'W' for WWX

Enter value 'X' for EXP (Express Document - less than 1/2 lb).

CHANGE NOTE: Value 'P' added per DM 703.

[153] DoDIC

MANDATORY for all ammunition and explosives. Also called Navy Ammunition Logistics Code (NALC).

X	N903	369	Free-form Description	X AN 1/45
			Free-form descriptive text	
X	N904	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	
X	N905	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
X	N906	623	Time Code	O ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	N907	C040	Reference Identifier	O
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	
X	C04001	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	C04002	127	Reference Identification	M AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
X	C04003	128	Reference Identification Qualifier	X ID 2/3
			Code qualifying the Reference Identification	

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

Segment: **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: [159] L5 SEGMENT - Item Description

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
X	L501	213	Lading Line Item Number	O N0 1/3
			Sequential line number for a lading item	
>>	L502	79	Lading Description	O AN 1/50
			Description of an item as required for rating and billing purposes	
			[160] Item Description	
			Clear text description of contents of package.	
X	L503	22	Commodity Code	X AN 1/30
			Code describing a commodity or group of commodities	
X	L504	23	Commodity Code Qualifier	X ID 1/1
			Code identifying the commodity coding system used for Commodity Code	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	L505	103	Packaging Code	O AN 3/5
			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.	
X	L506	87	Marks and Numbers	X AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment	
X	L507	88	Marks and Numbers Qualifier	O ID 1/2
			Code specifying the application or source of Marks and Numbers (87)	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	L508	23	Commodity Code Qualifier	X ID 1/1
			Code identifying the commodity coding system used for Commodity Code	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

X	L509	22	Commodity Code	X AN 1/30
			Code describing a commodity or group of commodities	
X	L510	595	Compartment ID Code	O ID 1/1
			Code identifying the compartment in a compartmentalized tank car	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **G62** Date/Time

Position: 138

Loop: HL Mandatory

Level: Detail

Usage: Optional

Max Use: 10

Purpose: To specify pertinent dates and times

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

Semantic Notes:

Comments:

Notes: [154] G62 SEGMENT - Date/Time Available for Pickup
SEGMENT CONDITION: Required for DLA DHL shipments. Otherwise segment is not used.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	G6201	432	Date Qualifier	X ID 2/2
			Code specifying type of date	
			[155] Pickup Date Qualifier	
			Use code value '86' to denote Date Available for Pickup.	
			86 Actual Pickup Date	
			[155] Actual Pickup Date	
>>	G6202	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
			[156] Date Available for Pickup	
			Use format CCYYMMDD.	
>>	G6203	176	Time Qualifier	X ID 1/2
			Code specifying the reported time	
			[157] Pickup Time Qualifier	
			Use code value '4' to denote Time Available for Pickup.	
			4 Pickup Requested Scheduled Time	
			[157] Pickup Requested Scheduled Time	
>>	G6204	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
			[158] Time Available for Pickup	
			Use format HHMMSS.	
X	G6205	623	Time Code	O ID 2/2

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

Refer to 004010 Data Element Dictionary for acceptable code values.

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: [161] L0 SEGMENT - Actual Weight
 [178] L0 SEGMENT - Dimensional Weight
 Dimensional Weight is the chargeable weight computed on the basis of volume rather than actual weight.
 [221] L0 SEGMENT - Accessorial Service

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	L001	213 Lading Line Item Number	O N0 1/3
		Sequential line number for a lading item	
		[222] Lading Line Item Number	
		In order to use the L1 segment to identify service level code, enter '1' in this data element 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	

[164] Weight Unit Code	
Use code value 'K' only for DLA DHL shipments.	
[181] Weight Unit Code	
K	Kilograms
	[164] Kilograms
L	Pounds
	[164] Pounds
	[181] Pounds

X	L012	56	Type of Service Code	O ID 2/2
			Code specifying extent of transportation service requested	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	L013	380	Quantity	X R 1/15
			Numeric value of quantity	
X	L014	211	Packaging Form Code	O ID 3/3
			Code for packaging form of the lading quantity	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	L015	1073	Yes/No Condition or Response Code	X ID 1/1
			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:**
- [165] L1 SEGMENT - Item Charges
 - [223] L1 SEGMENT - Accessorial Service Charge
 - [226] L1 SEGMENT - Shipping Cost

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
X	L101	213 Lading Line Item Number	O N0 1/3
		Sequential line number for a lading item	
X	L102	60 Freight Rate	X R 1/9
		Rate that applies to the specific commodity	
X	L103	122 Rate/Value Qualifier	X ID 2/2
		Code qualifying how to extend charges or interpret value	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
>>	L104	58 Charge	X N2 1/12
		For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	
		[166] Item Charge	
		Provides transportation linehaul charges for shipment. Package aggregation and other discounts should be applied.	
		[224] Accessorial Service Charge	
		The charge for an accessorial service. Use up to 9-digits with an implied decimal at the second position.	
		[227] Shipping Cost	
X	L105	191 Advances	X N2 1/9
		Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and	

			reconsignment, icing) expressed in the standard monetary denomination for the currency specified	
X	L106	117	Prepaid Amount	X N2 1/9
			Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified	
X	L107	120	Rate Combination Point Code	O AN 3/9
			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.	
>>	L108	150	Special Charge or Allowance Code	O ID 3/3
			Code identifying type of special charge or allowance	
			[225] Accessorial Service Code	
			See Section 6.0 (DTEDI Express Package Bill of Lading Implementation Convention) for list of service codes.	
			To find Section 6.0 on the web, go to https://dteb.lmi.org/dod/dteb.nsf/(DocLevel2)?OpenView&cat1=IC&cat2=4010	
			[Instructions: At that web location sign in as Guest and select the desired implementation convention. That document is available in PDF format.]	
X	L109	121	Rate Class Code	O ID 1/3
			Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	L110	39	Entitlement Code	O ID 1/1
			Code identifying entitlement party	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	L111	16	Charge Method of Payment	O ID 1/1
			Code defining method of payment	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	L112	276	Special Charge Description	O AN 2/25
			Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150	
X	L113	257	Tariff Application Code	O ID 1/1
			Code indicating to which traffic a tariff applies	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	L114	74	Declared Value	X N2 2/12
			Monetary assigned value expressed in the standard monetary denomination for the currency specified	
			[167] 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	Rate/Value Qualifier	X	ID 2/2
			Code qualifying how to extend charges or interpret value		
			[168] Declared Value Units Qualifier		
			PZ Per Package Charge		
			[168] Per Package Charge		
X	L116	372	Lading Liability Code	O	ID 1/1
			Code identifying limits of liability		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	L117	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	L118	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.		
X	L119	954	Percent	O	R 1/10
			Percentage expressed as a decimal		
X	L120	100	Currency Code	O	ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified		
X	L121	610	Amount	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: [169] MEA SEGMENT - Line Item Value
 [173] MEA SEGMENT - Length, Height, Width
 SEGMENT CONDITION: For DLA DHL shipments, only use this segment if dimensional weight is passed in the L0 segment. All dimensions are required for all 3PL carrier shipments.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
X	MEA01	737	Measurement Reference ID Code 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	Measurement Qualifier O ID 1/3 Code identifying a specific product or process characteristic to which a measurement applies [174] Measurement Qualifier HT Height [174] Height LN Length [174] Length WD Width [174] Width
>>	MEA03	739	Measurement Value X R 1/20 The value of the measurement [170] Line Item Value The value of the line item as reported on the Item Requisition and Receipt Data (IRRD) packing list. [175] Measurement

>>	MEA04	C001	Composite Unit of Measure	X
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
			[171] Unit or Basis for Measurement Code	
			CHANGE NOTE: Requirement attribute corrected.	
			[176] Composite Unit of Measure	
M	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			[172] Unit or Basis for Measurement Code	
			[177] Unit or Basis for Measurement Code	
			DO Dollars, U.S.	
			[172] Dollars	
			IN Inch	
			[177] Inch	
X	C00104	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	C00107	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	C00110	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	C00113	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	MEA05	740	Range Minimum	X R 1/20
			The value specifying the minimum of the measurement range	
X	MEA06	741	Range Maximum	X R 1/20
			The value specifying the maximum of the measurement range	
X	MEA07	935	Measurement Significance Code	O ID 2/2
			Code used to benchmark, qualify or further define a measurement value	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	MEA08	936	Measurement Attribute Code	X ID 2/2
			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.	

X	MEA09	752	Surface/Layer/Position Code	O ID 2/2
			Code indicating the product surface, layer or position that is being described	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	MEA10	1373	Measurement Method or Device	O ID 2/4
			The method or device used to record the measurement	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **LH1 Hazardous Identification Information**

Position: 170

Loop: LH1 Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify the hazardous commodity identification reference number and quantity

Syntax Notes:

Semantic Notes:

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

Notes: [182] LH1 SEGMENT - HAZMAT

Data Element Summary

Ref.	Data	Element	Name	Attributes
M	LH101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			[183] Unit or Basis for Measurement Code	
			Use 'ZZ' in this data element to satisfy X12 syntax.	
			ZZ	Mutually Defined
			[183] Mutually Defined	
M	LH102	80	Lading Quantity	M N0 1/7
			Number of units (pieces) of the lading commodity	
			[184] Lading Quantity	
			Use '0' in this data element to satisfy X12 syntax.	
>>	LH103	277	UN/NA Identification Code	O ID 6/6
			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	
			[185] 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).	
X	LH104	200	Hazardous Materials Page	O AN 1/6
			The United Nations page number as required for the international transport of hazardous materials	
X	LH105	22	Commodity Code	O AN 1/30
			Code describing a commodity or group of commodities	

X	LH106	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	LH107	380	Quantity	O R 1/15
			Numeric value of quantity	
X	LH108	595	Compartment ID Code	O ID 1/1
			Code identifying the compartment in a compartmentalized tank car	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	LH109	665	Residue Indicator Code	O ID 1/1
			Code indicating that the material being described is that which remains in a packaging (including a tank car) after it has been unloaded	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	LH110	254	Packing Group Code	O ID 1/3
			Code indicating degree of danger in terms of Roman number I, II or III	
X	LH111	1375	Interim Hazardous Material Regulatory Number	O AN 1/5
			Identifies the current regulatory version number used for hazardous materials shipments	

Segment: **LH2 Hazardous Classification Information**

Position: 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.
 - 4 If either LH212 or LH213 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: [186] LH2 SEGMENT - HAZMAT

Data Element Summary

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

X	LH208	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
X	LH209	408	Temperature Temperature	X R 1/4
X	LH210	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
X	LH211	408	Temperature Temperature	X R 1/4
X	LH212	188	Weight Unit Code Code specifying the weight unit Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
X	LH213	267	Net Explosive Quantity Net weight of the explosive quantity of the hazardous commodity	X N0 1/6

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: [188] FA1 SEGMENT - TCN Appropriation Number Loop
 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.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	FA101	559	Agency Qualifier Code		M ID 2/2
				Code identifying the agency assigning the code values	
				[189] Agency Qualifier Code	
				Use code value 'HS' to denote Department of Homeland Security/US Coast Guard.	
			DF	Department of Defense (DoD)	
				[189] Department of Defense (DoD)	
			DN	Department of the Navy	
				[189] Department of the Navy	
			DX	United States Marine Corps	
				[189] United States Marine Corps	
			DY	Department of Air Force	
				[189] Department of Air Force	
			DZ	Department of Army	
				[189] Department of Army	
			HS	Department of Health and Human Services	
				[189] Department of Health and Human Services	
X	FA102	1300	Service, Promotion, Allowance, or Charge Code		O ID 4/4
				Code identifying the service, promotion, allowance, or charge	
				Refer to 004010 Data Element Dictionary for acceptable code values.	
X	FA103	248	Allowance or Charge Indicator		O ID 1/1

Code which indicates an allowance or charge for the service specified
Refer to 004010 Data Element Dictionary for acceptable code values.

Segment: **FA2 Accounting Data**
Position: 240
Loop: FA1 Optional
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: To specify the detailed accounting data
Syntax Notes:
Semantic Notes:
Comments:
Notes: [190] FA2 SEGMENT - TCN Appropriation Elements

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	FA201	1196	Breakdown Structure Detail Code	M ID 2/2
Codes identifying details relating to a reporting breakdown structure tree				
[191] Breakdown Structure Detail Code				
		84	Total Direct Costs	[191] Total Direct Costs
		A1	Department Indicator	[191] Department Indicator
		A2	Transfer from Department	[191] Transfer from Department
		A3	Fiscal Year Indicator	[191] Fiscal Year Indicator
		A4	Basic Symbol Number	[191] Basic Symbol Number
		A5	Sub-class	[191] Sub-class
		A6	Sub-Account Symbol	[191] Sub-Account Symbol
		AT	Air Force Transportation Account Code (ATAC)	[191] Air Force Transportation Account Code (ATAC)
		B1	Budget Activity Number	[191] Budget Activity Number
		B2	Budget Sub-activity Number	[191] Budget Sub-activity Number
		B3	Budget Program Activity	[191] Budget Program Activity
		C1	Program Element	

	[191] Program Element
C2	Project Task or Budget Subline
	[191] Project Task or Budget Subline
D1	Defense Agency Allocation Recipient
	[191] Defense Agency Allocation Recipient
D4	Component Sub-allocation Recipient
	[191] Component Sub-allocation Recipient
D6	Sub-allotment Recipient
	[191] Sub-allotment Recipient
D7	Work Center Recipient
	[191] Work Center Recipient
E1	Major Reimbursement Source Code
	[191] Major Reimbursement Source Code
E2	Detail Reimbursement Source Code
	[191] Detail Reimbursement Source Code
E3	Customer Indicator
	[191] Customer Indicator
F1	Object Class
	[191] Object Class
F3	Government or Public Sector Identifier
	[191] Government or Public Sector Identifier
G2	Special Interest Code or Special Program Cost Code
	[191] Special Interest Code or Special Program Cost Code
I1	Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC)
	[191] Abbreviated Department of Defense (DoD) Budget and Accounting Classification
J1	Document or Record Reference Number
	[191] Document or Record Reference Number
K6	Accounting Classification Reference Code
	[191] Accounting Classification Reference Code
L1	Accounting Installation Number
	[191] Accounting Installation Number
M1	Local Installation Data
	[191] Local Installation Data
MD	Movement Designator Code (MDC)
	[191] Movement Designator Code (MDC)
N1	Transaction Type
	[191] Transaction Type
P5	Foreign Military Sales (FMS) Line Item Number

[191] Foreign Military Sales (FMS) Line Item
Number

TA Transportation Account Code (TAC)

[191] Transportation Account Code (TAC)

ZZ Mutually Defined

[191] Mutually Defined

M FA202 1195 Financial Information Code M AN 1/80

Code representing financial accounting information

[192] 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.

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: [193] L10 SEGMENT - TCN Weight

Data Element Summary

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

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: [197] N1 SEGMENT - Destination
SEGMENT 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.

CHANGE NOTE: N1 Destination Address Information loop moved to present HL loop position per DM #683.

[214] N1 SEGMENT - Bill Charges To
SEGMENT CONDITION: Use segment when a small parcel manifest has different billed to accounts for each line item.

CHANGE NOTE: Bill Charges To N1 segment added per DM #683.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		[215] Payer Identifier Code	
		[198] Ship To Qualifier	
		BT Bill-to-Party	
		[215] Bill-to-Party	
		ST Ship To	
		[198] Ship To	
>>	N102	93 Name	X AN 1/60
		Free-form name	
		[199] Destination Name	
		Name of party responsible for receiving delivery of the shipment.	
		[216] Payer Account Number	
		The format of the Payer Account Number should be specified in the trading partner agreement.	

	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			[200] DoDAAC/CAGE Qualifier	
			[217] Payer Account Number Qualifier	
		10	Department of Defense Activity Address Code (DODAAC)	
			[200] Department of Defense Activity Address Code (DODAAC)	
		25	Carrier's Customer Code	
			[217] Carriers Customer Code	
		33	Commercial and Government Entity (CAGE)	
			[200] Commercial and Government Entity (CAGE)	
	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
			[201] Destination DoDAAC or CAGE	
X	N105	706	Entity Relationship Code	O ID 2/2
			Code describing entity relationship	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	N106	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **N2 Additional Name Information**
Position: 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: [202] 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

	Ref.	Data	Attributes
	Des.	Element Name	
M	N201	93 Name Free-form name	M AN 1/60
		[203] Destination Name	
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: [204] 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.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	N301	166	Address Information Address information [205] Destination Address Information	M AN 1/55
	N302	166	Address Information Address information [206] 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: [207] 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

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>> N401	19	City Name	O AN 2/30
		Free-form text for city name	
		[208] Destination City Name	
N402	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
		[209] Destination State/Province Code	
		Required for DLA DHL shipments and otherwise when applicable, since this information is not always available for international shipments.	
N403	116	Postal Code	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
		[210] Destination ZIP/Postal Code	
		Required for DLA DHL shipments and otherwise when applicable, since this information is not always available for international shipments.	
N404	26	Country Code	O ID 2/3
		Code identifying the country	
		[211] Destination Country Code	
		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.	
N405	309	Location Qualifier	X ID 1/2
		Code identifying type of location	
		[212] Country Location Qualifier	

Use code value 'ZZ' to denote In The Clear Country Name. Required and used only for DLA DHL shipments.

ZZ Mutually Defined

[212] Mutually Defined

N406 310 Location Identifier O AN 1/30

Code which identifies a specific location

[213] Destination Country Location

Required and used only for DLA DHL shipments. Enter the in the clear country name (e.g., AFGHANISTAN).

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: [228] L3 SEGMENT - Total Charge for Shipment

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
X	L301	81	Weight	X R 1/10
			Numeric value of weight	
X	L302	187	Weight Qualifier	X ID 1/2
			Code defining the type of weight	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	L303	60	Freight Rate	X R 1/9
			Rate that applies to the specific commodity	
X	L304	122	Rate/Value Qualifier	X ID 2/2
			Code qualifying how to extend charges or interpret value	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
>>	L305	58	Charge	O N2 1/12
			For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	
			[229] Total Charge for Shipment	
			Calculated charge for entire shipment including linehaul and accessorial services.	
X	L306	191	Advances	O N2 1/9
			Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified	
X	L307	117	Prepaid Amount	O N2 1/9
			Money paid at point of origin (usually by shipper) expressed in the	

			standard monetary denomination for the currency specified	
X	L308	150	Special Charge or Allowance Code	O ID 3/3
			Code identifying type of special charge or allowance	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	L309	183	Volume	X R 1/8
			Value of volumetric measure	
X	L310	184	Volume Unit Qualifier	X ID 1/1
			Code identifying the volume unit	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	L311	80	Lading Quantity	O N0 1/7
			Number of units (pieces) of the lading commodity	
X	L312	188	Weight Unit Code	O ID 1/1
			Code specifying the weight unit	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	L313	171	Tariff Number	O AN 1/7
			Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	
X	L314	74	Declared Value	X N2 2/12
			Monetary assigned value expressed in the standard monetary denomination for the currency specified	
X	L315	122	Rate/Value Qualifier	X ID 2/2
			Code qualifying how to extend charges or interpret value	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

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

Syntax Notes:
Semantic Notes:

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

Notes: [230] SE SEGMENT - Express Package Trailer

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments M N0 1/10 Total number of segments included in a transaction set including ST and SE segments [231] Number of Included Segments Total segments in this transaction set including the ST and SE segments.
M	SE02	329	Transaction Set Control Number M AN 4/9 Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set [232] Transaction Set Control Number This data element ends the transaction set and should match the number that appears in the ST02 that begins the transaction set.

Section 4.0

IC ELEMENT MATRIX

OVERVIEW

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

PURPOSE

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

HOW TO READ THE IC ELEMENT MATRIX

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

Record Types

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

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

Two Categories of Record Information

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

- IC application information describes attributes outside the structure and syntax of the ASC X12 standard.

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

Matrix Layout

The IC element matrix lists information in sixteen columns.

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

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

Sort Order of the Matrix

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

APPLICATION NOTES

The IC element matrix in this section maps data requirements for Commercial Air Carrier Transportation Information into the ASC X12 Transaction Set 858 Shipment Information. These requirements were developed by transportation activities involved in the Defense Transportation Electronic Business data interchange effort.

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
1		ST SEGMENT - Express Package Header		M	1	10	M	1							
2		Transaction Set Identifier Code		M ID 3/3	1	10		1				ST01	143	M ID 3/3	
		858 - Shipment Information													
3		Transaction Set Control Number		M AN 4/9	1	10		1				ST02	329	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. 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.)													
4		BX SEGMENT - Express Package Beginning Segment		M	1	30	M	1							
5		Transaction Set Purpose Code		M ID 2/2	1	30		1				BX01	353	M ID 2/2	
		00 - Original 01 - Cancellation 04 - Change 14 - Advance Notification													
6		Transportation Method/Type Code (Mode Code)		M ID 2/2	1	30		1				BX02	91	M ID 1/2	
		AF - Air Freight AH - Air Taxi FA - Air Freight Forwarder MP - Motor (Package Carrier) AE - Air Express													
7		Shipment Method of Payment		M ID 2/2	1	30		1				BX03	146	M ID 2/2	
		CD - Collect on Delivery PP - Prepaid (by Seller) TP - Third Party Pay													

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
8		Commercial Bill of Lading Number		M	AN 1/30	1	30		1				BX04	145	O	AN 1/30
		Use this element to identify the shipper assigned bill of lading number.														
9		Standard Carrier Alpha Code		M	ID 2/4	1	30		1				BX05	140	O	ID 2/4
		The industry assigned alpha code representing the carrier who received the shipment.														
10		Application Type		C	ID 2/2	1	30		1				BX14	346	O	ID 2/2
		Use when broker. Use migration code value 'BF' to denote Broker Files.														
11		N9 SEGMENT - Carrier Waybill/PRO Number		C		1	60	O	30							
						See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 02= R0203; 06= C0605										
12		Reference Number Qualifier		M	ID 2/2	1	60		30				N901	128	M	ID 2/3
		CN - Carriers Reference Number (PRO/Invoice) WY - Waybill Number														
13		Carrier Waybill/PRO Number		M	ID 1/30	1	60		30				N902	127	C	AN 1/30
14		N9 SEGMENT - Carrier Pickup Number		C		1	60	O	30							
						See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 02= R0203; 06= C0605										
15		Reference Number Qualifier		M	ID 2/2	1	60		30				N901	128	M	ID 2/3
		P8 - Pickup Reference Number														
16		Carrier Pickup Number		M	AN 1/30	1	60		30				N902	127	C	AN 1/30
17		N9 SEGMENT - Credit Card Number		C		1	60	O	30							
		Use this segment if the shipper is following credit card procedures to pay the carrier.				See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 02= R0203; 06= C0605										

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name	Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
18		Reference Number Qualifier		M ID 2/2	1	60		30				N901	128	M ID 2/3	
		E4 - Charge Card Number													
19		Credit Card Number		M AN 1/30	1	60		30				N902	127	C AN 1/30	
		The credit card account number owned by the shipper. That card number is used by the carrier to bill the shipper's paying activity.													
20		N9 SEGMENT - Carrier Data		C	1	60	O	30							
21		Carrier Data Qualifier		M ID 2/2	1	60		30				N901	128	M ID 2/3	
		See Section 6.0 (DTEB COMMERCIAL AIR TRANSPORTATION NOTIFICATION Implementation Convention) for codes used to communicate carrier specific data.													
		To find Section 6.0 on the web, go to https://dteb.lmi.org/dod/dteb.nsf/(DocLevel2)?OpenView&cat1=IC&cat2=4010													
		[Instructions: At that web location sign in as Guest and select the desired implementation convention. That document is available in PDF format.]													
		CHANGE NOTE: User note changed per NVR DM 779.													
22		Carrier Data		M AN 1/30	1	60		30				N902	127	C AN 1/30	
23		N9 SEGMENT - Number of Items on Manifest		C	1	60	O	30							
		SEGMENT CONDITION: Required for DLA DHL shipments. Otherwise segment is not used.													
24		Manifest Count Qualifier		M ID 2/2	1	60		30				N901	128	M ID 2/3	
		Use code value 'ZZ' to denote Number of Items on Manifest. ZZ - Mutually Defined													

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes	
25		Number of Items on Manifest		M AN 7/7	1	60		30				N902	127	C AN 1/30		
		Enter the quantity of items on the manifest. Zero fill from the left to fill out the field (e.g., 0000011)														
26		N9 SEGMENT - Departure Airport Code		C	1	60	O	30								
		SEGMENT CONDITION: Required for DLA DHL shipments. Otherwise segment is not used.														
27		Departure Airport Code Qualifier		M ID 2/2	1	60		30				N901	128	M ID 2/3		
		Use code value 'RU' denote Departure Airport Code. RU - Route Number														
28		Departure Airport Code		M AN 3/3	1	60		30				N902	127	C AN 1/30		
		Enter the Airport Code of the depot shipping the item (e.g., where it will leave the U.S.)														
29		N9 SEGMENT - Product Code		C	1	60	O	30								
		SEGMENT CONDITION: Required for DLA UPS SCS (Emery/Menlo) shipments. Otherwise segment is not used.														
30		Product Code Qualifier		M ID 3/3	1	60		30				N901	128	M ID 2/3		
		Use code value 'PRT' to denote Product Code. PRT - Product Type														
31		Product Code		M AN 7/7	1	60		30				N902	127	C AN 1/30		
		Always enter value 'FREIGHT' to denote the product being shipped.														
32		C3 SEGMENT - Currency Code		C	1	90	O	1								
		This segment indicates the currency used for the bill of lading. The segment is not required, and will not be used, when currency is in U.S. Dollars.														

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
33		Currency Code		M ID 3/3	1	90		1				C301	100	M ID 3/3	
<p>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:</p> <p>http://www.iso.org/iso/en/prods-services/popstds/currencycode/slist.html.</p>															
34		G62 SEGMENT - Required Delivery Date (RDD)		M	1	110	O	10							
<p>See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 01= R0103; 01= P0102; 03= P0304</p>															
35		Date Qualifier		M ID 2/2	1	110		10				G6201	432	C ID 2/2	
<p>54 - Deliver No Later Than Date</p>															
36		Required Delivery		M DT 8/8	1	110		10				G6202	373	C DT 8/8	
<p>Latest date the shipment is expected to be delivered. Use CCYYMMDD format.</p>															
37		Time Qualifier		C ID 1/1	1	110		10				G6203	176	C ID 1/2	
<p>4 - Pickup Requested Scheduled Time</p>															
38		Delivery Time		C TM 4/4	1	110		10				G6204	337	C TM 4/8	
<p>Latest time the shipment is expected to be delivered. Use HHMM format.</p>															
39		G62 SEGMENT - Carrier Pickup Date		M	1	110	O	10							
<p>See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 01= R0103; 01= P0102; 03= P0304</p>															
40		Date Qualifier		M ID 2/2	1	110		10				G6201	432	C ID 2/2	
<p>86 - Actual Pickup Date</p>															
41		Carrier Pickup Date		M DT 8/8	1	110		10				G6202	373	C DT 8/8	
<p>Date shipment is picked up from the shipper by the carrier. Use CCYYMMDD format.</p>															

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
42		Time Qualifier		M ID 1/1	1	110		10				G6203	176	C ID 1/2	
		8 - Actual Pickup Time													
43		Carrier Pickup Time		M TM 4/4	1	110		10				G6204	337	C TM 4/8	
		Time shipment is picked up from the shipper by the carrier. Use HHMM format.													
44		G62 SEGMENT - Bill Prepared Date		M	1	110	O	10							
45		Date Qualifier		M ID 2/2	1	110		10				G6201	432	C ID 2/2	
		76 - Bill of Lading													
46		Bill of Lading Prepared Date		M DT 8/8	1	110		10				G6202	373	C DT 8/8	
		Date shipment is prepared by the shipper. Use CCYYMMDD format.													
47		N1 SEGMENT - Destination		C	1	390	O	1	12	1	N1				
		SEGMENT 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.													
48		Destination Qualifier		M ID 2/2	1	390		1	12	1	N1	N101	98	M ID 2/3	
		ST - Ship To													
49		Destination Name		M AN 1/60	1	390		1	12	1	N1	N102	93	C AN 1/60	
		Name of party responsible for receiving delivery of the shipment.													

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes	
50		DoDAAC/CAGE Qualifier		C ID 2/2	1	390		1	12	1	N1	N103	66	C ID 1/2		
		10 - Department of Defense Activity Address Code (DODAAC) 33 - Commercial and Government Entity (CAGE)														
51		Destination DoDAAC or CAGE		C AN 5/6	1	390		1	12	1	N1	N104	67	C AN 2/80		
		Code that identifies the activity responsible for receiving delivery of the shipment. (Use 5 or 6 characters.)														
52		N2 SEGMENT - Destination		C	1	400	O	2	12	1	N1					
		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.														
53		Destination Additional Name		M AN 1/60	1	400		2	12	1	N1	N201	93	M AN 1/60		
54		N3 SEGMENT - Destination		C	1	410	O	2	12	1	N1					
		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.														
55		Destination Street		M AN 1/55	1	410		2	12	1	N1	N301	166	M AN 1/55		
56		Destination Street Additional		C AN 1/55	1	410		2	12	1	N1	N302	166	O AN 1/55		
57		N4 SEGMENT - Destination City, State/Province, ZIP/Postal Code, and Country		C	1	420	O	1	12	1	N1					
		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.														
58		Destination City		M AN 2/30	1	420		1	12	1	N1	N401	19	O AN 2/30		
59		Destination State/Province Code		C ID 2/2	1	420		1	12	1	N1	N402	156	O ID 2/2		

DoD INFORMATION				X12 SEGMENT INFORMATION								X12 ELEMENT INFORMATION			
Index	DG	Data Name	Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
60		Destination Zip/Postal Code		C ID 3/15	1	420		1	12	1	N1	N403	116	O ID 3/15	
			If a postal code exists, it is required.												
61		Destination Country Code		C ID 2/3	1	420		1	12	1	N1	N404	26	O ID 2/3	
			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.												
62		PER SEGMENT - Destination Contact		C	1	440	O	3	12	1	N1				
			SEGMENT CONDITION: Provide when applicable. Not always available for DLA shipments.												See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 03= P0304; 05= P0506; 07= P0708
63		Contact Function Code		M ID 2/2	1	440		3	12	1	N1	PER01	366	M ID 2/2	
			EM - Emergency Contact												
64		Communication Number Qualifier		M ID 2/2	1	440		3	12	1	N1	PER03	365	C ID 2/2	
			TE - Telephone												
65		Destination Contact Phone Number		M AN 7/21	1	440		3	12	1	N1	PER04	364	C AN 1/80	
			The commercial phone number (Not FTS or DSN) of the party responsible for receiving delivery of the shipment.												
66		N1 SEGMENT - Origin		M	1	390	O	1	12	1	N1				
			Begins origin identifier loop. This loop calls for an N1, N2, N3, N4, and REF segments.												See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 02= R0203; 03= P0304
67		Origin Qualifier		M ID 2/2	1	390		1	12	1	N1	N101	98	M ID 2/3	
			SF - Ship From												
68		Origin Name		M AN 1/60	1	390		1	12	1	N1	N102	93	C AN 1/60	

DoD INFORMATION				X12 SEGMENT INFORMATION								X12 ELEMENT INFORMATION			
Index	DG	Data Name	Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
69		DoDAAC/CAGE/Account Code Qualifier		C ID 2/2	1	390		1	12	1	N1	N103	66	C ID 1/2	
<p>Use code value '25' to denote the Shipper's Account Number with the carrier.</p> <p>CHANGE NOTE: Account Code added to data element name per DM #683. Code value '25' and user note added per DM #683.</p> <p>10 - Department of Defense Activity Address Code (DODAAC)</p> <p>25 - Carriers Customer Code</p> <p>33 - Commercial and Government Entity (CAGE)</p>															
70		Origin DoDAAC/CAGE/Account Code		C AN 5/6	1	390		1	12	1	N1	N104	67	C AN 2/80	
<p>Identification code of the responsible activity at the pickup location.</p> <p>CHANGE NOTE: Account Code added to data element name per DM #683.</p>															
71		N2 SEGMENT - Origin		C	1	400	O	2	12	1	N1				
72		Origin Additional Name		M AN 1/60	1	400		2	12	1	N1	N201	93	M AN 1/60	
73		N3 SEGMENT - Origin		C	1	410	O	2	12	1	N1				
74		Origin Street		M AN 1/55	1	410		2	12	1	N1	N301	166	M AN 1/55	
75		Origin Street Additional		C AN 1/55	1	410		2	12	1	N1	N302	166	O AN 1/55	
76		N4 SEGMENT - Origin City, State/Province, ZIP/Postal Code, and Country		C	1	420	O	1	12	1	N1				
<p>See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 06= C0605</p>															
77		Origin City		C AN 2/30	1	420		1	12	1	N1	N401	19	O AN 2/30	
78		Origin State/Province Code		C ID 2/2	1	420		1	12	1	N1	N402	156	O ID 2/2	

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name	Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
79		Origin Zip/Postal Code		C ID 3/15	1	420		1	12	1	N1	N403	116	O ID 3/15	
			If a postal code exists, it is required.												
80		Origin Country Code		C ID 2/3	1	420		1	12	1	N1	N404	26	O ID 2/3	
			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.												
81		REF SEGMENT - Carrier Origin Code		C	1	430	O	12	12	1	N1				
															See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 02= R0203
82		Reference Identification Qualifier		M ID 2/2	1	430		12	12	1	N1	REF01	128	M ID 2/3	
			4B - Shipment Origin Code												
83		Carrier Origin Code		M AN 1/30	1	430		12	12	1	N1	REF02	127	C AN 1/30	
			Carrier assigned number representing pickup location.												
84		N1 SEGMENT - Party to Receive Carrier's Invoice		M	1	390	O	1	12	1	N1				
			Begins loop. This loop calls for a single N1 segment.												See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 02= R0203; 03= P0304
85		Party to Receive Carrier's Invoice Qualifier		M ID 2/2	1	390		1	12	1	N1	N101	98	M ID 2/3	
			PO - Party to Receive Invoice for Goods or Services												
86		Identification Code Qualifier		M ID 1/2	1	390		1	12	1	N1	N103	66	C ID 1/2	
			10 - Department of Defense Activity Address Code (DODAAC) 9 - D-U-N-S+4												
87		Bill Charges To Organization Identification Number		M AN 6/13	1	390		1	12	1	N1	N104	67	C AN 2/80	
			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.												

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
88		N2 SEGMENT - Additional Name		C	1	400	O	2	12	1	N1				
89		Additional Name		M AN 1/60	1	400		2	12	1	N1	N201	93	M AN 1/60	
90		Additional Name		C AN 1/60	1	400		2	12	1	N1	N202	93	O AN 1/60	
91		N1 SEGMENT - Bill Charges To		C	1	390	O	1	12	1	N1				
		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.													
92		Payer Identifier Code		M ID 2/2	1	390		1	12	1	N1	N101	98	M ID 2/3	
		BT - Bill-to-Party													
93		Payer Account Number Qualifier		M ID 2/2	1	390		1	12	1	N1	N103	66	C ID 1/2	
		25 - Carrier's Customer Code													
94		Payer Account Number		M AN 2/20	1	390		1	12	1	N1	N104	67	C AN 2/80	
		The format of payer account number should be specified in the trading partner agreement.													
95		N1 SEGMENT - Hold at Location Address		C	1	390	O	1	12	1	N1				
96		Hold at Location Qualifier		M ID 2/2	1	390		1	12	1	N1	N101	98	M ID 2/3	
		WD - Storage Facility at Destination													
97		Hold at Location Name		M AN 1/60	1	390		1	12	1	N1	N102	93	C AN 1/60	
98		N3 SEGMENT - Hold at Location Street Address		C	1	410	O	2	12	1	N1				
99		Hold at Location Street Address		M AN 1/55	1	410		2	12	1	N1	N301	166	M AN 1/55	

DoD INFORMATION				X12 SEGMENT INFORMATION								X12 ELEMENT INFORMATION			
Index	DG	Data Name	Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
100		N4 SEGMENT - Hold at Location City, State/Province, ZIP/Postal Code, and Country		C	1	420	O	1	12	1	N1				
101		Hold at Location City Name		M AN 2/30	1	420		1	12	1	N1	N401	19	O AN 2/30	
102		Hold at Location State/Province Code		M ID 2/2	1	420		1	12	1	N1	N402	156	O ID 2/2	
103		Hold at Location Zip/Postal Code		M ID 3/15	1	420		1	12	1	N1	N403	116	O ID 3/15	
104		Hold at Location Country Code		C ID 2/3	1	420		1	12	1	N1	N404	26	O ID 2/3	
105		PER SEGMENT - Hold at Location Contact		C	1	440	O	3	12	1	N1				
106		Hold at Location Contact Qualifier CN - General Contact		M ID 2/2	1	440		3	12	1	N1	PER01	366	M ID 2/2	
107		Hold at Location Contact Commercial Phone Qualifier TE - Telephone		M ID 2/2	1	440		3	12	1	N1	PER03	365	C ID 2/2	
108		Hold at Location Contact Commercial Phone Number		M AN 7/21	1	440		3	12	1	N1	PER04	364	C AN 1/80	
109		N1 SEGMENT - Issuing Office GBLOC		C	1	390	O	1	12	1	N1				
110		Issuing Office Qualifier IU - Issuer		M ID 2/2	1	390		1	12	1	N1	N101	98	M ID 2/3	
111		Issuing Office Name		C AN 1/60	1	390		1	12	1	N1	N102	93	C AN 1/60	
112		Issuing Office GBLOC Qualifier 27 - Government Bill Of Lading Office Code (GBLOC)		M ID 2/2	1	390		1	12	1	N1	N103	66	C ID 1/2	
113		Issuing Office GBLOC		M AN 4/4	1	390		1	12	1	N1	N104	67	C AN 2/80	

DoD INFORMATION				DoD Recommended Attributes	X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name	Notes and Codes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
114		FA1 SEGMENT - Appropriation Number		M	1	550	O	1	>1	1	FA1				
<p>Carriers do not need to receive appropriation data.</p> <p>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.</p>															
115		Agency Qualifier Code		M ID 2/2	1	550		1	>1	1	FA1	FA101	559	M ID 2/2	
<p>Use code value 'HS' to denote Department of Homeland Security/US Coast Guard.</p> <ul style="list-style-type: none"> DF - Department of Defense (DoD) DN - Department of the Navy DX - United States Marine Corps DY - Department of Air Force DZ - Department of Army HS - Department of Health and Human Services 															
116		FA2 SEGMENT - Appropriation Number		M	1	560	M	>1	>1	1	FA1				

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes	
																117
		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														
		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														

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes	
118		Financial Information Code		M AN 1/80	1	560		>1	>1	1	FA1	FA202	1195	M AN 1/80		
		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.														
119		HL SEGMENT - Item Description Loop		M	2	10	M	1	>1	1	HL					
		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.														
120		Hierarchical ID Number		M NO 1/12	2	10		1	>1	1	HL	HL01	628	M AN 1/12		
		A sequential number assigned by the shipper's application system.														
121		Hierarchical Level Code		M ID 1/1	2	10		1	>1	1	HL	HL03	735	M ID 1/2		
		Qualifier identifying that all information within this HL loop corresponds to line item (package) details. 9 - Line Detail														
122		SL1 SEGMENT - Level of Service		C	2	95	O	1	>1	1	HL					
		Use for DLA Level of Service. See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 03= R0304														
123		Service Level Code		M ID 2/2	2	95		1	>1	1	HL	SL101	284	M ID 2/2		
		CX - Express Service ND - Next Day Air ON - Overnight SC - Second Day Air SE - Second Day SG - Standard Ground SH - Second Day Hundred Weight														
124		Commodity Code		M AN 2/2	2	95		1	>1	1	HL	SL103	22	C AN 1/30		
		Use value 'ZZ' to satisfy X12 syntax.														

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes	
125		Scale		C AN 9/9	2	95		1	>1	1	HL	SL104	320	C AN 1/10		
			Required only for DLA UPS SCS (Emery/Menlo) shipments. Zero fill for UPS SCS syntax compliance.													
126		Shipment Method of Payment		C ID 2/2	2	95		1	>1	1	HL	SL107	146	O ID 2/2		
			Required for DLA DHL shipments only if third party is paying. TP - Third Party Pay													
127		N9 SEGMENT - TCN		M	2	100	O	10	>1	1	HL					
128		Reference Identification Qualifier		M ID 2/2	2	100		10	>1	1	HL	N901	128	M ID 2/3		
			TG - Transportation Control Number (TCN)													
129		Transportation Control Number		M AN 17/17	2	100		10	>1	1	HL	N902	127	C AN 1/30		
			A DoD unique number identifying a shipment.													
130		N9 SEGMENT - Project Code		C	2	100	O	10	>1	1	HL					
131		Reference Identification Qualifier		M ID 2/2	2	100		10	>1	1	HL	N901	128	M ID 2/3		
			P4 - Project Code													
132		Project Code		M AN 3/3	2	100		10	>1	1	HL	N902	127	C AN 1/30		
133		N9 SEGMENT - Carrier Tracking Number		C	2	100	O	10	>1	1	HL					
134		Reference Number Qualifier		M ID 2/2	2	100		10	>1	1	HL	N901	128	M ID 2/3		
			08 - Carrier Assigned Package Identification Number													
135		Carrier Tracking Number		M AN 1/30	2	100		10	>1	1	HL	N902	127	C AN 1/30		
			Carrier assigned shipment identification number.													

DoD INFORMATION				DoD Recommended Attributes	X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name	Notes and Codes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
136		N9 SEGMENT - Package Aggregation Number		C	2	100	O	10	>1	1	HL				
		Use this segment when aggregating packages is required.													
137		Reference Number Qualifier		M ID 2/2	2	100		10	>1	1	HL	N901	128	M ID 2/3	
		BT - Batch Number													
138		Package Aggregation Number		M AN 1/30	2	100		10	>1	1	HL	N902	127	C AN 1/30	
		Identifies multiple packages going to the same recipient using the same type of service.													
139		N9 SEGMENT - Rate Code Number		C	2	100	O	10	>1	1	HL				
		See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 02= R0203; 06= C0605													
140		Reference Number Qualifier		M ID 2/2	2	100		10	>1	1	HL	N901	128	M ID 2/3	
		RB - Rate code number													
141		Rate Code Number		M N0 1/1	2	100		10	>1	1	HL	N902	127	C AN 1/30	
		Identifies the system used to rate the shipment. Use the following values: Use value '1' to denote Rated by Shipper System Use value '2' to denote Rated by Carrier System Use value '3' to denote Rated for Transport of Repair or Return Packages.													
142		N9 SEGMENT - Passenger Cargo Notification		C	2	100	O	10	>1	1	HL				
		SEGMENT CONDITION: Required for DLA UPS SCS (Emery/Menlo) shipments. Otherwise segment is not used.													
143		Passenger Cargo Notification Qualifier		M ID 2/2	2	100		10	>1	1	HL	N901	128	M ID 2/3	
		Use code value 'ZZ' to denote Passenger Cargo Notification. ZZ - Mutually Defined													

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes	
144		Passenger Cargo Notification		C AN 1/1	2	100		10	>1	1	HL	N902	127	C AN 1/30		
			If shipment is hazardous and going by air, enter the Passenger Cargo Notification indicator. Default value is 'C'. If shipment is not hazardous and flying, then do not use this segment.													
145		N9 SEGMENT - Arrival Airport Code		C	2	100	O	10	>1	1	HL					
			SEGMENT CONDITION: Required for DLA DHL shipments. Otherwise segment is not used.													
146		Arrival Airport Code Qualifier		M ID 2/2	2	100		10	>1	1	HL	N901	128	M ID 2/3		
			Use code value 'RU' to denote Arrival Airport Code. RU - Route Number													
147		Arrival Airport Code		M AN 3/3	2	100		10	>1	1	HL	N902	127	C AN 1/30		
			Enter the airport code of the country to which the shipment is going.													
148		N9 SEGMENT - Product Code		C	2	100	O	10	>1	1	HL					
			SEGMENT CONDITION: Required for DLA DHL shipments. Otherwise segment is not used.													
149		Product Code Qualifier		M ID 3/3	2	100		10	>1	1	HL	N901	128	M ID 2/3		
			Use code value 'PRT' to denote Product Code. PRT - Product Type													
150		Product Code		M AN 1/1	2	100		10	>1	1	HL	N902	127	C AN 1/30		
			Enter the following values as indicated: Enter value 'D' for Document Enter value 'P' for Parcel Enter value 'W' for WWX Enter value 'X' for EXP (Express Document - less than 1/2 lb). CHANGE NOTE: Value 'P' added per DM 703.													

DoD INFORMATION				DoD Recommended Attributes	X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name	Notes and Codes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
161		L0 SEGMENT - Actual Weight		M	2	145	O	1	20	2	L0				
					See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 02= P0203; 04= P0405; 06= P0607; 08= P0809; 11= C1104; 13= P1315										
162		Actual Weight		M R 1/10	2	145		1	20	2	L0	L004	81	C R 1/10	
					<p>The following applications for code values used in L005 apply only to DLA DHL shipments:</p> <p>Code value 'FR' - Round up weights to the nearest tenth and enter with an implied 1 decimal point (e.g., 2.35 lbs = 24). Code value 'B' - Round up weights to the next whole pound and enter with an implied 1 decimal point (e.g., 2.35 lbs = 30). Code value 'A1' - Round up dimensional weights if measurements are in metric to the nearest tenth and enter with an implied 1 decimal point (e.g., 2.35 = 24); if measurements are in US, enter the dimensional weight (without rounding) with an implied 1 decimal point).</p>										
163		Weight Qualifier		M ID 2/2	2	145		1	20	2	L0	L005	187	C ID 1/2	
					<p>Use code values 'A1' and 'B' only for DLA DHL shipments.</p> <p>A1 - Dimensional Weight B - Billed Weight FR - Freight Weight</p>										
164		Weight Unit Code		M ID 1/1	2	145		1	20	2	L0	L011	188	O ID 1/1	
					<p>Use code value 'K' only for DLA DHL shipments.</p> <p>K - Kilograms L - Pounds</p>										
165		L1 SEGMENT - Item Charges		M	2	150	O	20	20	2	L0				
					See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 02= P0203; 04= R040506; 14= P1415; 17= P1718										
166		Item Charge		M N2 2/12	2	150		20	20	2	L0	L104	58	C N2 1/12	
					Provides transportation linehaul charges for shipment. Package aggregation and other discounts should be applied.										

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
167		Declared Value		C N2 2/12	2	150		20	20	2	L0	L114	74	C N2 2/12	
		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.													
168		Declared Value Units Qualifier		C ID 2/2	2	150		20	20	2	L0	L115	122	C ID 2/2	
		PZ - Per Package Charge													
169		MEA SEGMENT - Line Item Value		C	2	160	O	10	20	2	L0				
					See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 03= R03050608; 05= C0504; 06= C0604; 07= L07030506; 08= E0803										
170		Line Item Value		M R 1/20	2	160		10	20	2	L0	MEA03	739	C R 1/20	
		The value of the line item as reported on the Item Requisition and Receipt Data (IRRD) packing list.													
171		Unit or Basis for Measurement Code		M	2	160		10	20	2	L0	MEA04	C001	C	
		CHANGE NOTE: Requirement attribute corrected.													
172		Unit or Basis for Measurement Code		M ID 2/2	2	160		10	20	2	L0	MEA04	C001	C	
		DO - Dollars										C00101	355		M ID 2/2
173		MEA SEGMENT - Length, Height, Width		C	2	160	O	10	20	2	L0				
		SEGMENT CONDITION: For DLA DHL shipments, only use this segment if dimensional weight is passed in the L0 segment. All dimensions are required for all 3PL carrier shipments.			See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 03= R03050608; 05= C0504; 06= C0604; 07= L07030506; 08= E0803										
174		Measurement Qualifier		M ID 2/2	2	160		10	20	2	L0	MEA02	738	O ID 1/3	
		HT - Height LN - Length WD - Width													
175		Measurement		M R 1/20	2	160		10	20	2	L0	MEA03	739	C R 1/20	
176		Composite Unit of Measure		M	2	160		10	20	2	L0	MEA04	C001	C	

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
177		Unit or Basis for Measurement Code		M ID 2/2	2	160		10	20	2	L0	MEA04 C00101	C001 355	C	M ID 2/2
		IN - Inch													
178		L0 SEGMENT - Dimensional Weight		C	2	145	O	1	20	2	L0				
		Dimensional Weight is the chargeable weight computed on the basis of volume rather than actual weight.													
179		Dimensional Weight		M R 1/10	2	145		1	20	2	L0	L004	81	C R 1/10	
		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).													
180		Weight Qualifier		M ID 2/2	2	145		1	20	2	L0	L005	187	C ID 1/2	
		A1 - Dimensional Weight													
181		Weight Unit Code		M ID 1/1	2	145		1	20	2	L0	L011	188	O ID 1/1	
		L - Pounds													
182		LH1 SEGMENT - HAZMAT		C	2	170	O	1	100	2	LH1				
183		Unit or Basis for Measurement Code		M ID 2/2	2	170		1	100	2	LH1	LH101	355	M ID 2/2	
		Use 'ZZ' in this data element to satisfy X12 syntax.													
		ZZ - Mutually Defined													
184		Lading Quantity		M NO 1/1	2	170		1	100	2	LH1	LH102	80	M NO 1/7	
		Use '0' in this data element to satisfy X12 syntax.													
185		UN/NA Identification Code		M ID 6/6	2	170		1	100	2	LH1	LH103	277	O ID 6/6	
		United Nations/North America code identifying the hazardous material identification number as required by Title 49 Code of Federal Regulations (CFR).													

DoD INFORMATION				DoD Recommended Attributes	X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name	Notes and Codes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
186		LH2 SEGMENT - HAZMAT		C	2	180	O	4	100	2	LH1				
					See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 06= P0607; 08= P0809; 10= P1011										
187		Hazardous Classification		M ID 1/30	2	180		4	100	2	LH1	LH201	215	O	ID 1/30
					Identifies the hazard class or division prescribed for the material as shown in column 3 of 49 CFR Table 172.101.										
188		FA1 SEGMENT - TCN Appropriation Number Loop		C	2	230	O	1	>1	2	FA1				
					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.										
189		Agency Qualifier Code		M ID 2/2	2	230		1	>1	2	FA1	FA101	559	M	ID 2/2
					Use code value 'HS' to denote Department of Homeland Security/US Coast Guard. DF - Department of Defense (DoD) DN - Department of the Navy DX - United States Marine Corps DY - Department of Air Force DZ - Department of Army HS - Department of Health and Human Services										
190		FA2 SEGMENT - TCN Appropriation Elements		M	2	240	M	>1	>1	2	FA1				

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes	
191		Breakdown Structure Detail Code		M ID 2/2	2	240		>1	>1	2	FA1	FA201	1196	M ID 2/2		
		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														
		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														

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
192		Financial Information Code		M	AN 1/80	2	240		>1	>1	2	FA1	FA202	1195	M AN 1/80	
		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.														
193		L10 SEGMENT - TCN Weight		C		2	250	O	1	>1	2	FA1				
194		Weight		M	R 1/10	2	250		1	>1	2	FA1	L1001	81	M R 1/10	
		Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.														
195		Weight Qualifier		M	ID 1/1	2	250		1	>1	2	FA1	L1002	187	M ID 1/2	
		N - Actual Net Weight														
196		Weight Unit Code		M	ID 1/1	2	250		1	>1	2	FA1	L1003	188	O ID 1/1	
		L - Pounds														
197		N1 SEGMENT - Destination		C		2	290	O	1	4	2	N1				
		SEGMENT 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.														
		CHANGE NOTE: N1 Destination Address Information loop moved to present HL loop position per DM #683.														
198		Ship To Qualifier		M	ID 2/2	2	290		1	4	2	N1	N101	98	M ID 2/3	
		ST - Ship To														
199		Destination Name		M	AN 1/60	2	290		1	4	2	N1	N102	93	C AN 1/60	
		Name of party responsible for receiving delivery of the shipment.														

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
200		DoDAAC/CAGE Qualifier		C ID 2/2	2	290		1	4	2	N1	N103	66	C ID 1/2	
		10 - Department of Defense Activity Address Code (DODAAC)													
		33 - Commercial and Government Entity (CAGE)													
201		Destination DoDAAC or CAGE		C AN 2/80	2	290		1	4	2	N1	N104	67	C AN 2/80	
202		N2 SEGMENT - Destination		C	2	300	O	2	4	2	N1				
		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.													
203		Destination Name		M AN 1/60	2	300		2	4	2	N1	N201	93	M AN 1/60	
204		N3 SEGMENT - Destination		C	2	310	O	2	4	2	N1				
		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.													
205		Destination Address Information		M AN 1/55	2	310		2	4	2	N1	N301	166	M AN 1/55	
206		Destination Address Information		C AN 1/55	2	310		2	4	2	N1	N302	166	O AN 1/55	
207		N4 SEGMENT - Destination City, State/Province, ZIP/Postal Code, and Country		C	2	320	O	1	4	2	N1				
		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.													
208		Destination City Name		M AN 2/30	2	320		1	4	2	N1	N401	19	O AN 2/30	
209		Destination State/Province Code		C ID 2/2	2	320		1	4	2	N1	N402	156	O ID 2/2	
		Required for DLA DHL shipments and otherwise when applicable, since this information is not always available for international shipments.													

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
210		Destination ZIP/Postal Code		C ID 5/9	2	320		1	4	2	N1	N403	116	O ID 3/15	
			Required for DLA DHL shipments and otherwise when applicable, since this information is not always available for international shipments.												
211		Destination Country Code		C ID 2/3	2	320		1	4	2	N1	N404	26	O ID 2/3	
			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.												
212		Country Location Qualifier		C ID 2/2	2	320		1	4	2	N1	N405	309	C ID 1/2	
			Use code value 'ZZ' to denote In The Clear Country Name. Required and used only for DLA DHL shipments. ZZ - Mutually Defined												
213		Destination Country Location		C AN 1/30	2	320		1	4	2	N1	N406	310	O AN 1/30	
			Required and used only for DLA DHL shipments. Enter the in the clear country name (e.g., AFGHANISTAN).												
214		N1 SEGMENT - Bill Charges To		C	2	290	O	1	4	2	N1				
			SEGMENT CONDITION: Use segment when a small parcel manifest has different billed to accounts for each line item. CHANGE NOTE: Bill Charges To N1 segment added per DM #683.												
215		Payer Identifier Code		M ID 2/2	2	290		1	4	2	N1	N101	98	M ID 2/3	
			BT - Bill-to-Party												
216		Payer Account Number		M AN 2/20	2	290		1	4	2	N1	N102	93	C AN 1/60	
			The format of the Payer Account Number should be specified in the trading partner agreement.												
217		Payer Account Number Qualifier		M ID 2/2	2	290		1	4	2	N1	N103	66	C ID 1/2	
			25 - Carriers Customer Code												

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
218		HL SEGMENT - Accessorial Service Description Loop		C	2	10	M	1	>1	1	HL				
		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.													
219		Hierarchical ID Number		M AN 1/12	2	10		1	>1	1	HL	HL01	628	M AN 1/12	
		A sequential number assigned by the shipper's application system.													
220		Hierarchical Level Code		M ID 2/2	2	10		1	>1	1	HL	HL03	735	M ID 1/2	
		SS - Services													
221		L0 SEGMENT - Accessorial Service		M	2	145	O	1	20	2	L0				
222		Lading Line Item Number		M NO 1/1	2	145		1	20	2	L0	L001	213	O NO 1/3	
		In order to use the L1 segment to identify service level code, enter '1' in this data element to satisfy X12 syntax.													
223		L1 SEGMENT - Accessorial Service Charge		C	2	150	O	20	20	2	L0				
224		Accessorial Service Charge		M N2 2/12	2	150		20	20	2	L0	L104	58	C N2 1/12	
		The charge for an accessorial service. Use up to 9-digits with an implied decimal at the second position.													
225		Accessorial Service Code		M ID 3/3	2	150		20	20	2	L0	L108	150	O ID 3/3	
		See Section 6.0 (DTEDI Express Package Bill of Lading Implementation Convention) for list of service codes.													
226		L1 SEGMENT - Shipping Cost		C	2	150	O	20	20	2	L0				
227		Shipping Cost		M N2 2/12	2	150		20	20	2	L0	L104	58	C N2 1/12	

DoD INFORMATION				DoD Recommended Attributes	X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name	Notes and Codes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
228		L3 SEGMENT - Total Charge for Shipment		M	3	10	O	1							
					See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 01= P0102; 03= P0304; 09= P0910; 12= C1201; 14= P1415										
229		Total Charge for Shipment		M N2 2/12	3	10		1				L305	58	O N2 1/12	
					Calculated charge for entire shipment including linehaul and accessorial services.										
230		SE SEGMENT - Express Package Trailer		M	3	20	M	1							
231		Number of Included Segments		M NO 1/10	3	20		1				SE01	96	M NO 1/10	
					Total segments in this transaction set including the ST and SE segments.										
232		Transaction Set Control Number		M AN 4/9	3	20		1				SE02	329	M AN 4/9	
					This data element ends the transaction set and should match the number that appears in the ST02 that begins the transaction set.										

Section 6.0

APPLICATION CODE LISTS

This section identifies codes used by carriers in position 1/060/N902 to describe carrier unique data requirements. Further, it identifies codes used in position 2/150/L108 to describe the type of service used to move the shipment. PLEASE NOTE: Tables display X12 Code Definitions where DoD definitions differ.

[21] - Carrier Data Qualifier

858 Mapping: 1 60 N901 128

EMERY WORLDWIDE

N901 Value	DoD Definition	N902 Carrier Data	Attributes
AW <i>X12 Definition:</i>	Tracking Number Qualifier <i>Air Waybill Number</i>	Tracking Number (EWW shipment number)	10/AN
BA <i>X12 Definition:</i>	Bill To Account Number Qualifier <i>Retirement Plan Policy Number</i>	To Account Number	9/N
DV <i>X12 Definition:</i>	Declared Value Qualifier <i>Diversion Authority Number</i>	Declared Value	10/AN
ED <i>X12 Definition:</i>	TAC code qualifier <i>Export Declaration</i>	TAC code	9/N
HT <i>X12 Definition:</i>	Height qualifier <i>Code of Federal Regulations</i>	Height	1-5.2/N (explicit decimal point with 2 decimal positions)
L1 <i>X12 Definition:</i>	Product qualifier <i>Letters or Notes</i>	Product ("M" for miscellaneous freight)	4/AN
LN <i>X12 Definition:</i>	Length qualifier <i>Non pickup Limited Tariff Number</i>	Length	1-5/N, optionally 1-2 decimal places with explicit decimal point
PR <i>X12 Definition:</i>	Pickup record number qualifier <i>Price Quote Number</i>	Pickup record number	1/A
SV <i>X12 Definition:</i>	Service level qualifier <i>Service Charge Number</i>	Service level	1-5/N, optionally 1-2 decimal places with explicit decimal point
TG <i>X12 Definition:</i>	TCN number qualifier <i>Transportation Control Number (TCN)</i>	TCN number	12/AN
WD <i>X12 Definition:</i>	Width qualifier <i>Review Period Number</i>	Width	2/AN
ZZ <i>X12 Definition:</i>	Shipper's Reference Number Qualifier <i>Mutually Defined</i>	Pickup record number	17/AN

FEDERAL EXPRESS

N901 Value	DoD Definition	N902 Carrier Data	Attributes
AW <i>X12 Definition:</i>	Air Waybill <i>Air Waybill Number</i>	FedEx Tracking Number	30/AN
BT	Batch Number	FedEx Invoice Bundle Number	30/AN
CB	Combined Shipment	FedEx COD Tracking Number	30/AN
GL	Geographic Destination Zone Number	FedEx Service Region Code	30/AN
MG	Meter Number	Powership Meter Number	30/AN
P8	Pickup Reference Number	FedEx Airbill Form Id	30/AN
PQ	Payee Identification	FedEx COD Service Indicator	30/AN
QY	Service Performed Code	FedEx Service Type	30/AN
RN	Run Number	FedEx Shipping Cycle Number	30/AN
SI <i>X12 Definition:</i>	Shippers Identifying Number <i>Shipper's Identifying Number for Shipment (SID)</i>	Shipper's Reference Number	30/AN
TG <i>X12 Definition:</i>	Transportation Control Number <i>Transportation Control Number (TCN)</i>	DOD TCN Number	30/AN

[225] - Service Code

858 Mapping: 2 150 L108 150

EMERY WORLDWIDE

L108 Value	DoD Definition	N902 Carrier Data	Attributes
080	Air Transportation Charge	Base Freight Charge	10/N2
510 <i>X12 Definition:</i>	Offshore Alaska/Hawaii <i>Offshore - Alaska/Hawaii</i>	Alaska/Hawaii Surcharge	10/N2
535 <i>X12 Definition:</i>	Pickup Out of Area <i>Pickup - Out of Area</i>	Out of Pickup Area Surcharge	10/N2
645	Restricted Article Fee	Inaccessible Dangerous Goods	10/N2
665	Saturday Delivery	Saturday Delivery Surcharge	10/N2
670	Saturday Pick-up	Pickup Surcharge	10/N2
COD	COD Amount	Cash on Delivery Amount	10/N2
COL <i>X12 Definition:</i>	Fee for Collection COD <i>Fee for Collecting COD Charge</i>	COD Surcharge	10/N2
CTG	Cartage Charge	Dimensional Freight Charge	10/N2
FUE <i>X12 Definition:</i>	Fuel Surcharge <i>Fuel Charge</i>	Fuel Surcharge Amount	10/N2
HAZ <i>X12 Definition:</i>	Hazardous Materials <i>Hazardous Cargo Charge</i>	Accessible Dangerous Goods Surcharge	10/N2
HDG	Holding Charge	Hold for Pickup	10/N2
HOL	Sunday or Holiday Pick-up or Delivery	Holiday Surcharge	10/N2
IDL	Inside Delivery	Inside Delivery Surcharge	10/N2
INC	Insurance Surcharge	Value Insurance Surcharge	10/N2
IPU	Inside Pick-up	Inside Pickup Surcharge	10/N2
LIE	Liability of Carrier Charge	Increased Liability Coverage	10/N2
NCH	Order Notify Charge	On-Call Pickup	10/N2
OUT <i>X12 Definition:</i>	Delivery Out of Area <i>Out of Zone Pick-up or Delivery</i>	Out of Delivery Area Surcharge	10/N2
PDY	Pickup and Delivery Beyond Service Area Charge	Extended Area Surcharge	10/N2
RES	Residential Delivery	Residential Delivery Surcharge	10/N2

FEDEX DOM

L108 Value	DoD Definition
COL	Fee for Collecting COD Charge
EVC <i>X12 Definition:</i>	Excess Value Charge <i>Excessive Value Charge</i>
HMA	Accessible Hazardous Material
HMI	Inaccessible Hazardous Material
HOL	Sunday or Holiday Pick-up or Delivery
SAT	Saturday Pick-up or Delivery Charge

GSA CONTRACT/TENDER SERVICE DEFINITIONS

L108 Value	DoD Definition	N902 Carrier Data
NDA *	Next Day Air	Next Day Air
OCP *	On Call Pickup	On Call Pickup
OVN *	Overnight	Overnight
PMS	Pickup of Shipments Requiring Same Day Delivery Service Charge	Same Day
PYS	Priority Service Charge	Priority Mail
SCN *	Second Day	Second Day
SDW *	Second Day Hundredweight	Second Day Hundredweight
STG *	Standard Ground	Standard Ground
ZZZ	Mutually Defined	Mutually Defined

* Migration Code

RPS

L108 Value	DoD Definition
EVC <i>X12 Definition:</i>	Excess Value Charge <i>Excessive Value Charge</i>
HAZ <i>X12 Definition:</i>	Excess Value Charge <i>Hazardous Cargo Charge</i>
POD	Proof of Delivery
RCC	Reconsignment Charge

WORLD WIDE EXPRESS SERVICE DEFINITIONS

L108 Value	DoD Definition	N902 Carrier Data
HDG	Holding Charge	Hold for Pick Up
LIE	Liability of Carrier Charge	Increased Liability Coverage
OCP *	On Call Pickup	On-Call Pick Up
PDY	Pickup and Delivery Beyond Service Area Charge	Extended Area Surcharge
REP <i>X12 Definition:</i>	<i>Residential Pick-up</i>	
SAT	Saturday Pick-up or Delivery Charge	Saturday Pick-up or Delivery Charge

* Migration Code