



Department
of
Defense

DoD
Transportation
Electronic Business
(DTEB) Convention

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

VERSION 0

May 2012



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Section 1.0

INTRODUCTION

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

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

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

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

https://cris.transcom.mil/cris/dteb/ic/trans_ics.cfm

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

Who Needs to Use This Document?

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

Why Use a Convention?

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

Contents

Additional sections are included in this document.

- Section 2.0, Control Segments, identifies the specific data requirements for formatting the EDI interchange control segments that envelop all EDI transactions.
- Section 3.0, 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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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 Select appropriate code value for sender from 4010 X12 code list for data element I05. For Department of Defense Agency Address Code (DoDAAC) use code value '10'.	M ID 2/2
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. DoD activities use DoDAAC or other code coordinated with trading partners. Non-DoD activities use identification code qualified by ISA05 and coordinated with network value added network (VAN) Administrator.	M AN 15/15
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 Select appropriate code value for receiver from 4010 X12 code list for data element I05. For DoDAAC use code value '10'.	M ID 2/2
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. DoD activities use DoDAAC or other code coordinated with trading partners. Non-DoD activities use identification code qualified by ISA05 and coordinated with VAN Administrator.	M AN 15/15

M	ISA09	I08	Interchange Date Date of the interchange	M DT 6/6						
<p>Date in YYMMDD format assigned by translation software</p>										
M	ISA10	I09	Interchange Time Time of the interchange	M DT 4/4						
<p>Time in HHMM format assigned by translation software</p>										
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						
<table border="0"><thead><tr><th><u>Code</u></th><th><u>Definition</u></th></tr></thead><tbody><tr><td>U</td><td>U.S. EDI Community of ASC X12, TDCC, and UCS</td></tr></tbody></table>					<u>Code</u>	<u>Definition</u>	U	U.S. EDI Community of ASC X12, TDCC, and UCS		
<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						
<table border="0"><thead><tr><th><u>Code</u></th><th><u>Definition</u></th></tr></thead><tbody><tr><td>00401</td><td>Draft Standards for Trial Use Approved for Publication by ASC 12 Procedures Review Board through October 1997</td></tr></tbody></table>					<u>Code</u>	<u>Definition</u>	00401	Draft Standards for Trial Use Approved for Publication by ASC 12 Procedures Review Board through October 1997		
<u>Code</u>	<u>Definition</u>									
00401	Draft Standards for Trial Use Approved for Publication by ASC 12 Procedures Review Board through October 1997									
<p>Version/release of control segment, as agreed upon by the trading partners</p>										
M	ISA13	I12	Interchange Control Number A control number assigned by the interchange sender	M N0 9/9						
<p>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	ISA14	I13	Acknowledgment Requested Code sent by the sender to request an interchange acknowledgment (TA1)	M ID 1/1						
<table border="0"><thead><tr><th><u>Code</u></th><th><u>Definition</u></th></tr></thead><tbody><tr><td>0</td><td>No Acknowledgment Requested</td></tr><tr><td>1</td><td>Interchange Acknowledgment Requested</td></tr></tbody></table>					<u>Code</u>	<u>Definition</u>	0	No Acknowledgment Requested	1	Interchange Acknowledgment Requested
<u>Code</u>	<u>Definition</u>									
0	No Acknowledgment Requested									
1	Interchange Acknowledgment Requested									
<p>Send code agreed upon by trading partners.</p>										

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	Date Date expressed as CCYYMMDD. Information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03) Date assigned by translation software	M DT 8/8				
M	GS05	337	Time Time expressed in 24-hour clock time as follows: HHMM or HHMMSS, or HHMMSSD, or HHMMSSDD, where H – hours (00-23), M = minutes (00-59), S = integer seconds (00-59), and D = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) Time expressed in HHMM format assigned by translation software	M TM 4/8				
M	GS06	28	Group Control Number Assigned number originated and maintained by the sender Number assigned by translation software. The sender, receiver, and all third parties should be able to maintain an audit trail of interchanges using this number.	M N0 1/9				
M	GS07	455	Responsible Agency Code Code used in conjunction with Data Element 480 to identify the issuer of the standard. <table border="0"> <tr> <td style="border-bottom: 1px solid black;">Code</td> <td style="border-bottom: 1px solid black;">Definition</td> </tr> <tr> <td>X</td> <td>Accredited Standards Committee X12</td> </tr> </table>	Code	Definition	X	Accredited Standards Committee X12	M ID 1/1
Code	Definition							
X	Accredited Standards Committee X12							
M	GS08	480	Version / Release / Industry Identified Code 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. <table border="0"> <tr> <td style="border-bottom: 1px solid black;">Code</td> <td style="border-bottom: 1px solid black;">Definition</td> </tr> <tr> <td>004010</td> <td>Draft Standard Approved for Publication by ASC X12 Procedures Review Board through October 1997</td> </tr> </table> 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.	Code	Definition	004010	Draft Standard Approved for Publication by ASC X12 Procedures Review Board through October 1997	M AN 6/6
Code	Definition							
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		
LOOP ID - E1						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
LOOP ID - N7					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
LOOP ID - E1					2
Not Used	381	E1	Empty Car Disposition - Pended Destination Consignee	O	1
Not Used	382	E4	Empty Car Disposition - Pended Destination City	O	1
Not Used	383	E5	Empty Car Disposition - Pended Destination Route	O	13
Not Used	384	PI	Price Authority Identification	O	1
LOOP ID - N1					12
Must Use	390	N1	Name	O	1
	400	N2	Additional Name Information	O	2
	410	N3	Address Information	O	2
	420	N4	Geographic Location	O	1
	430	REF	Reference Identification	O	12
	440	PER	Administrative Communications Contact	O	3
Not Used	445	H3	Special Handling Instructions	O	5
LOOP ID - S5					999
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
LOOP ID - N1					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		
Not Used	138	G62	Date/Time	O	10		
Not Used	140	NTE	Note/Special Instruction	O	100		
Not Used	142	LP	Load Planning	O	1		
Not Used	143	AXL	Vehicle Axle Measurements	O	12		
			LOOP ID - L0			20	
Must Use	145	L0	Line Item - Quantity and Weight	O	1		
Must Use	150	L1	Rate and Charges	O	20		
	160	MEA	Measurements	O	10		
			LOOP ID - LH1			100	
	170	LH1	Hazardous Identification Information	O	1		
	180	LH2	Hazardous Classification Information	O	4		n2
Not Used	190	LH3	Hazardous Material Shipping Name	O	12		
Not Used	191	LFH	Freeform Hazardous Material Information	O	20		
Not Used	192	LEP	EPA Required Data	O	3		
Not Used	200	LH4	Canadian Dangerous Requirements	O	1		
Not Used	201	LHT	Transborder Hazardous Requirements	O	3		
Not Used	210	LHR	Hazardous Material Identifying Reference Numbers	O	10		n3
Not Used	215	PER	Administrative Communications Contact	O	5		
Not Used	220	LHE	Empty Equipment Hazardous Material Information	O	1		n4
			LOOP ID - FA1			>1	
	230	FA1	Type of Financial Accounting Data	O	1		
M	240	FA2	Accounting Data	M	>1		
	250	L10	Weight	O	1		
			LOOP ID - NM1			4	
Not Used	260	NM1	Individual or Organizational Name	O	1		

Not Used	270	N3	Address Information	O	2
Not Used	280	N4	Geographic Location	O	1
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: [1] ST SEGMENT - Express Package Header

Data Element Summary

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

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

Data Element Summary

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

TP Third Party Pay

[2-03] Third Party Pay

>>	BX04	145	Shipment Identification Number	O AN 1/30
			Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)	
			[2-04] 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	
			[2-05] Standard Carrier Alpha Code	
			The industry assigned alpha code representing the carrier who received the shipment.	
			SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	
X	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	
			[2-14] Application Type	
			ELEMENT CONDITION: Use when broker.	
			21 Vessel Import Manifest (Canadian)	
			22 Vessel Export Manifest (Canadian)	
			23 Vessel In-Transit Manifest (Canadian)	
			24 Vessel Consignment Import Manifest (Canadian)	
			25 Vessel Consignment Export Manifest (Canadian)	

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

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

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

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

Semantic Notes:

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

Comments:

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

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
M	N901	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		[3-01] Reference Number Qualifier	
		[4-01] Reference Number Qualifier	
		[5-01] Reference Number Qualifier	
		[6-01] Carrier Data Qualifier	
	AW	Air Waybill Number	
		[6-01] Air Waybill Number	
		Use 'AW' to denote Tracking Number Qualifier	
	BA	Retirement Plan Policy Number	
		[6-01] Retirement Plan Policy Number	
		Use 'BA' to denote Bill To Account Number Qualifier	
	BT	Batch Number	
		[6-01] Batch Number	
	CB	Combined Shipment	
		[6-01] Combined Shipment	
	CN	Carrier's Reference Number (PRO/Invoice)	
		[3-01] Carrier's Reference Number (PRO/Invoice)	
	DV	Diversion Authority Number	
		[6-01] Diversion Authority Number	
		Use 'DV' to denote Declared Value Qualifier	
	E4	Charge Card Number	
		[5-01] Charge Card Number	
	ED	Export Declaration	
		[6-01] Export Declaration	
		Use 'ED' to denote TAC Code Qualifier	
	GL	Geographic Destination Zone Number	
		[6-01] Geographic Destination Zone Number	
	HT	Code of Federal Regulations	
		[6-01] Code of Federal Regulations	

				Use 'HT' to denote Height Qualifier
L1				Letters or Notes
				[6-01] Letters or Notes
				Use 'L1' to denote Product Qualifier
LN				Non pickup Limited Tariff Number
				[6-01] Non pickup Limited Tariff Number
				Use 'LN' to denote Length Qualifier
MG				Meter Number
				[6-01] Meter Number
P8				Pickup Reference Number
				[4-01] Pickup Reference Number
				[6-01] Pickup Reference Number
PQ				Payee Identification
				[6-01] Payee Identification
PR				Price Quote Number
				[6-01] Price Quote Number
				Use 'PR' to denote Pickup record number qualifier
QY				Service Performed Code
				Number indicating the type of service performed to repair a product
				[6-01] Service Performed Code
RN				Run Number
				[6-01] Run Number
SI				Shipper's Identifying Number for Shipment (SID)
				A unique number (to the shipper) assigned by the shipper to identify the shipment
				[6-01] Shipper's Identifying Number for Shipment (SID)
				Use 'SI' to denote Shippers Identifying Number
SV				Service Charge Number
				[6-01] Service Charge Number
				Use 'SV' to denote Service Level Qualifier
TG				Transportation Control Number (TCN)
				[6-01] Transportation Control Number (TCN)
				Use 'TG' to denote TCN Number Qualifier
WD				Review Period Number
				An indicator representing the period of time before which an action will occur
				[6-01] Review Period Number
				Use 'WD' to denote Width Qualifier
WY				Waybill Number
				[3-01] Waybill Number
ZZ				Mutually Defined
				[6-01] Mutually Defined
				Use 'ZZ' to denote Shipper's Reference Number Qualifier

>>	N902	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			[3-02] Carrier Waybill/PRO Number		
			[4-02] Carrier Pickup Number		
			[5-02] Credit Card Number		
			The credit card account number owned by the shipper. That card number is used by the carrier to bill the shipper's paying activity.		
			[6-02] Carrier Data		
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: **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: [7] C3 SEGMENT - Currency Code
This segment indicates the currency used for the bill of lading.
SEGMENT CONDITION: The segment is not required, and will not be used, when currency is in U.S. Dollars.

Data Element Summary

<u>Ref.</u>	<u>Data</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	
			[7-01] Currency Code	
			Data element C301 indicates a particular country's/region's currency used for all items on the Bill of Lading. (For example, the code value for EURO dollars is 'EUR'.) Other appropriate currency code values from the ISO 4217 table may be found on the web at: http://www.iso.org/iso/en/prods-services/popstds/currencycodeslist.html . SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute	
X	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: [8] G62 SEGMENT - Required Delivery Date (RDD)
 [9] G62 SEGMENT - Carrier Pickup Date
 [10] G62 SEGMENT - Bill Prepared Date

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
>> G6201	432	Date Qualifier Code specifying type of date [8-01] Date Qualifier [9-01] Date Qualifier [10-01] Date Qualifier 54 Deliver No Later Than Date [8-01] Deliver No Later Than Date 76 Bill of Lading [10-01] Bill of Lading 86 Actual Pickup Date [9-01] Actual Pickup Date	X ID 2/2
>> G6202	373	Date Date expressed as CCYYMMDD [8-02] Required Delivery Latest date the shipment is expected to be delivered. Use CCYYMMDD format. [9-02] Carrier Pickup Date Date shipment is picked up from the shipper by the carrier. Use CCYYMMDD format. [10-02] Bill of Lading Prepared Date Date shipment is prepared by the shipper. Use CCYYMMDD format.	X DT 8/8
G6203	176	Time Qualifier Code specifying the reported time [8-03] Time Qualifier [9-03] Time Qualifier CHANGE NOTE: Requirement attribute changed to CONDITIONAL per DM 895. 4 Pickup Requested Scheduled Time [8-03] Pickup Requested Scheduled Time 8 Actual Pickup Time [9-03] Actual Pickup Time	X ID 1/2
G6204	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) [8-04] Delivery Time	X TM 4/8

Segment: **N1** Name

Position: 390

Loop: N1 Optional (Must Use)

Level: Heading

Usage: Optional (Must Use)

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

Syntax Notes:

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

Semantic Notes:

Comments:

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

Notes:

[11] N1 SEGMENT - Destination Begins destination identifier loop. This loop calls for an N1, N2, N3, N4, and PER segments.
 LOOP CONDITION: Required to accommodate the MRM 15 direction to use PowerTrack for small package/express shipments either this destination identifier loop or the one in Table 2 must appear.

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

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

[23] N1 SEGMENT - Bill Charges To Begins Bill Charges To loop. This loop calls for a single N1 segment. It identifies the customer who is ultimately responsible for paying the transportation cost.
 LOOP CONDITION: Use when applicable.

[24] N1 SEGMENT - Hold at Location Address
 LOOP CONDITION: Use when Hold at Location Address is applicable.

[28] N1 SEGMENT - Issuing Office GBLOC
 LOOP CONDITION: Use when Issuing Office GBLOC is available.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	N101	Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		[11-01] Destination Qualifier	
		[16-01] Origin Qualifier	
		[21-01] Party to Receive Carrier's Invoice Qualifier	
		[23-01] Payer Identifier Code	
		[24-01] Hold at Location Qualifier	
		[28-01] Issuing Office Qualifier	
	BT	Bill-to-Party	
		[23-01] Bill-to-Party	
	IU	Issuer	
		[28-01] Issuer	
	PO	Party to Receive Invoice for Goods or Services	
		[21-01] Party to Receive Invoice for Goods or Services	
	SF	Ship From	
		[16-01] Ship From	
	ST	Ship To	
		[11-01] Ship To	
	WD	Storage Facility at Destination	
		A storage facility located in the geographic vicinity of a destination location	
		[24-01] Storage Facility at Destination	

>>	N102	93	Name	X	AN 1/60
			Free-form name		
			[11-02] Destination Name Name of party responsible for receiving delivery of the shipment.		
			[16-02] Origin Name		
			[24-02] Hold at Location Name		
			[28-02] Issuing Office Name		
>>	N103	66	Identification Code Qualifier	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			[11-03] DoDAAC/CAGE Qualifier		
			[16-03] DoDAAC/CAGE Qualifier		
			[21-03] Identification Code Qualifier		
			[23-03] Payer Account Number Qualifier		
			[28-03] Issuing Office GBLOC Qualifier		
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
			[21-03] D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
			Use '9' to denote D-U-N-S+4		
		10	Department of Defense Activity Address Code (DODAAC)		
			[11-03] Department of Defense Activity Address Code (DODAAC)		
			[16-03] Department of Defense Activity Address Code (DODAAC)		
			[21-03] Department of Defense Activity Address Code (DODAAC)		
		25	Carrier's Customer Code		
			[23-03] Carrier's Customer Code		
		27	Government Bill Of Lading Office Code (GBLOC)		
			[28-03] Government Bill Of Lading Office Code (GBLOC)		
		33	Commercial and Government Entity (CAGE)		
			[11-03] Commercial and Government Entity (CAGE)		
			[16-03] Commercial and Government Entity (CAGE)		
>>	N104	67	Identification Code	X	AN 2/80
			Code identifying a party or other code		
			[11-04] Destination DoDAAC or CAGE		
			Code that identifies the activity responsible for receiving delivery of the shipment. (Use 5 or 6 characters.)		
			[16-04] Origin DoDAAC or CAGE		
			Identification code of the responsible activity at the pickup location.		
			[21-04] Bill Charges To Organization Identification Number		
			DoDAAC or DUNS+4 number that identifies the party to receive the invoice. If the origination identification number is other than DoDAAC or DUNS, it should be specified in the trading partner agreement.		
			[23-04] Payer Account Number		
			The format of payer account number should be specified in the trading partner agreement.		
			[28-04] 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 (Must Use)
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes:

[12] 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.
 [17] N2 SEGMENT - Origin
 SEGMENT CONDITION: Use when Origin Additional Name is needed.
 [22] N2 SEGMENT - Additional Name
 SEGMENT CONDITION: Use when Additional Name is needed.

Data Element Summary

	Ref.	Data		Attributes
	Des.	Element	Name	
M	N201	93	Name	M AN 1/60
			Free-form name	
			[12-01] Destination Additional Name	
			[17-01] Origin Additional Name	
			[22-01] Additional Name	
	N202	93	Name	O AN 1/60
			Free-form name	
			[22-02] Additional Name	

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

[13] 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.
 [18] N3 SEGMENT - Origin
 SEGMENT CONDITION: Use when Origin Street Address is needed.
 [25] N3 SEGMENT - Hold at Location Street Address
 SEGMENT CONDITION: Use when Hold at Location Street Address is applicable.

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	
			[13-01] Destination Street	
			[18-01] Origin Street	
			[25-01] Hold at Location Street Address	
	N302	166	Address Information	O AN 1/55
			Address information	
			[13-02] Destination Street Additional	
			[18-02] Origin Street Additional	

Segment: **N4 Geographic Location**
Position: 420
Loop: N1 Optional (Must Use)
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
 2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: [14] 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.
 [19] N4 SEGMENT - Origin City, State/Province, ZIP/Postal Code, and Country
 SEGMENT CONDITION: Use when Origin City, State/Province, ZIP/Postal Code, and Country is needed.
 [26] N4 SEGMENT - Hold at Location City, State/Province, ZIP/Postal Code, and Country
 SEGMENT CONDITION: Use when Hold at Location City, State/Province, ZIP/Postal Code, and Country is applicable.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	N401	19	City Name
			O AN 2/30
			Free-form text for city name
			[14-01] Destination City
			[19-01] Origin City
			[26-01] 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
			[14-02] Destination State/Province Code
			SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center
			[19-02] Origin State/Province Code
			SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center
			[26-02] Hold at Location State/Province Code
			SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center
>>	N403	116	Postal Code
			O ID 3/15
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)
			[14-03] Destination Zip/Postal Code
			ELEMENT CONDITION: If a postal code exists, it is required.
			SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents
			[19-03] Origin Zip/Postal Code
			ELEMENT CONDITION: If a postal code exists, it is required.
			SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents
			[26-03] Hold at Location Zip/Postal Code
			SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual

N404	26	Country Code	O ID 2/3
Code identifying the country			
[14-04] Destination Country Code			
ELEMENT CONDITION: When the shipment moves from CONUS-to-CONUS or OCONUS-to-OCONUS, use the two- or three-character abbreviation code for the country where delivery will occur.			
SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute			
[19-04] Origin Country Code			
ELEMENT CONDITION: When the shipment moves from CONUS-to-CONUS or OCONUS-to-OCONUS, use the two- or three-character abbreviation code for the country where delivery will occur.			
SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute			
[26-04] Hold at Location Country Code			
SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute			
X	N405	309	Location Qualifier
Code identifying type of location			
Refer to 004010 Data Element Dictionary for acceptable code values.			
X	N406	310	Location Identifier
Code which identifies a specific location			

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

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

Semantic Notes:

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

Comments:
Notes: [20] REF SEGMENT - Carrier Origin Code
 SEGMENT CONDITION: Use when Carrier Origin Code is available.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification [20-01] Reference Identification Qualifier 4B Shipment Origin Code [20-01] 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 [20-02] 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 Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
X	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/3
X	C04006	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

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

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

Semantic Notes:

Comments:

Notes:

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

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named [15-01] Contact Function Code [27-01] Hold at Location Contact Qualifier CN General Contact [27-01] General Contact EM Emergency Contact [15-01] Emergency Contact	M ID 2/2
X	PER02	93	Name Free-form name	O AN 1/60
>>	PER03	365	Communication Number Qualifier Code identifying the type of communication number [15-03] Communication Number Qualifier [27-03] Hold at Location Contact Commercial Phone Qualifier TE Telephone [15-03] Telephone [27-03] Telephone	X ID 2/2
>>	PER04	364	Communication Number Complete communications number including country or area code when applicable [15-04] Destination Contact Phone Number The commercial phone number (Not FTS or DSN) of the party responsible for receiving delivery of the shipment. [27-04] Hold at Location Contact Commercial Phone Number	X AN 1/80
X	PER05	365	Communication Number Qualifier Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
X	PER06	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
X	PER07	365	Communication Number Qualifier Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
X	PER08	364	Communication Number Complete communications number including country or area code when	X AN 1/80

X	PER09	443	applicable 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: [29] FA1 SEGMENT - Appropriation Number
 SEGMENT CONDITION: REQUIRED except when transmitting data to carriers. Carriers do not need to receive appropriation data. Begins the Appropriation Number loop. This contains the FA1 and FA2 segments. Shipper systems that are capable of receiving, storing, and sending structured DoD appropriation numbers may use this loop to exchange those numbers with trading partners.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	FA101	559	Agency Qualifier Code Code identifying the agency assigning the code values [29-01] Agency Qualifier Code	M ID 2/2
			DF Department of Defense (DoD) [29-01] Department of Defense (DoD)	
			DN Department of the Navy [29-01] Department of the Navy	
			DX United States Marine Corps [29-01] United States Marine Corps	
			DY Department of Air Force [29-01] Department of Air Force	
			DZ Department of Army [29-01] Department of Army	
X	FA102	1300	Service, Promotion, Allowance, or Charge Code Code identifying the service, promotion, allowance, or charge Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 4/4
X	FA103	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1

Segment: **FA2 Accounting Data**
Position: 560
Loop: FA1 Optional (Must Use)
Level: Heading
Usage: Mandatory
Max Use: >1
Purpose: To specify the detailed accounting data
Syntax Notes:
Semantic Notes:
Comments:
Notes: [30] FA2 SEGMENT - Appropriation Number

Data Element Summary

Ref.	Data Element	Name	Attributes
M	FA201	Breakdown Structure Detail Code	M ID 2/2
	1196	Codes identifying details relating to a reporting breakdown structure tree	
		[30-01] Breakdown Structure Detail Code	
	84	Total Direct Costs	[30-01] Total Direct Costs
	A1	Department Indicator	[30-01] Department Indicator
	A2	Transfer from Department	[30-01] Transfer from Department
	A3	Fiscal Year Indicator	[30-01] Fiscal Year Indicator
	A4	Basic Symbol Number	[30-01] Basic Symbol Number
	A5	Sub-class	[30-01] Sub-class
	A6	Sub-Account Symbol	[30-01] Sub-Account Symbol
	AT	Air Force Transportation Account Code (ATAC)	[30-01] Air Force Transportation Account Code (ATAC)
	B1	Budget Activity Number	[30-01] Budget Activity Number
	B2	Budget Sub-activity Number	[30-01] Budget Sub-activity Number
	B3	Budget Program Activity	[30-01] Budget Program Activity
	C1	Program Element	[30-01] Program Element
	C2	Project Task or Budget Subline	[30-01] Project Task or Budget Subline
	D1	Defense Agency Allocation Recipient	[30-01] Defense Agency Allocation Recipient
	D4	Component Sub-allocation Recipient	[30-01] Component Sub-allocation Recipient
	D6	Sub-allotment Recipient	[30-01] Sub-allotment Recipient
	D7	Work Center Recipient	[30-01] Work Center Recipient

E1	Major Reimbursement Source Code
	[30-01] Major Reimbursement Source Code
E2	Detail Reimbursement Source Code
	[30-01] Detail Reimbursement Source Code
E3	Customer Indicator
	[30-01] Customer Indicator
F1	Object Class
	[30-01] Object Class
F3	Government or Public Sector Identifier
	[30-01] Government or Public Sector Identifier
G2	Special Interest Code or Special Program Cost Code
	[30-01] Special Interest Code or Special Program Cost Code
I1	Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC)
	[30-01] Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC) Use 'I1' to denote Abbreviated Department of Defense (DoD) Budget and Accounting Classification
J1	Document or Record Reference Number
	[30-01] Document or Record Reference Number
K6	Accounting Classification Reference Code
	[30-01] Accounting Classification Reference Code
L1	Accounting Installation Number
	[30-01] Accounting Installation Number
M1	Local Installation Data
	[30-01] Local Installation Data
MD	Movement Designator Code (MDC)
	[30-01] Movement Designator Code (MDC)
N1	Transaction Type
	[30-01] Transaction Type
P5	Foreign Military Sales (FMS) Line Item Number
	[30-01] Foreign Military Sales (FMS) Line Item Number
TA	Transportation Account Code (TAC)
	[30-01] Transportation Account Code (TAC)
ZZ	Mutually Defined
	[30-01] Mutually Defined

M FA202 1195 Financial Information Code M AN 1/80

Code representing financial accounting information

[30-02] Financial Information Code

When FA201 contains code value '84', FA202 should be formatted as a dollar amount including a decimal character and two positions after the decimal, representing cents even if the value is a whole dollar amount.

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:

[31] 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.
 [50] HL SEGMENT - Accessorial Service Description Loop Begins Accessorial Service Level loop. This loop calls for an HL, L0, and L1 segments. This loop occurs once for each accessorial service that applies to the shipment.
 LOOP CONDITION: Use this loop when Accessorial Service applies

Data Element Summary

Ref.	Data Element	Name	Attributes
M	HL01	628 Hierarchical ID Number	M AN 1/12
		A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
		[31-01] Hierarchical ID Number	
		A sequential number assigned by the shipper's application system.	
		[50-01] Hierarchical ID Number	
		A sequential number assigned by the shipper's application system.	
X	HL02	734 Hierarchical Parent ID Number	O AN 1/12
		Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	
M	HL03	735 Hierarchical Level Code	M ID 1/2
		Code defining the characteristic of a level in a hierarchical structure	
		[31-03] Hierarchical Level Code	
		Qualifier identifying that all information within this HL loop corresponds to line item (package) details.	
		[50-03] Hierarchical Level Code	
		9 Line Detail	
		Code identifying the supporting detail associated with the charge or group	
		[31-03] Line Detail	
		SS Services	

X

HL04

736

Hierarchical Child Code

O ID 1/1

Code indicating if there are hierarchical child data segments subordinate to the level being described
Refer to 004010 Data Element Dictionary for acceptable code values.

Segment: SL1 **Tariff Reference**
Position: 095
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To reference details of the tariff used to arrive at applicable rates or charges for customer-requested service
Syntax Notes: 1 At least one of SL103 or SL104 is required.
Semantic Notes: 1 SL101 is the service requested by the customer.
2 SL105 is the effective date.
3 SL106 is the service provided by the carrier.
Comments: 1 Scale and commodity codes are proprietary codes maintained by the carrier.
Notes: [32] SL1 SEGMENT - Level of Service
SEGMENT CONDITION: Use for DLA Level of Service, when applicable.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	SL101	284	Service Level Code Code indicating the level of transportation service or the billing service offered by the transportation carrier [32-01] Service Level Code	M ID 2/2
			ON Overnight [32-01] Overnight	
			SC Second Day Air Delivery during business day hours no later than second business day [32-01] Second Day Air	
			SE Second Day [32-01] Second Day	
			SG Standard Ground [32-01] Standard Ground	
			SH Second Day Hundred Weight [32-01] Second Day Hundred Weight	
X	SL102	171	Tariff Number Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	O AN 1/7
>>	SL103	22	Commodity Code Code describing a commodity or group of commodities [32-03] Commodity Code	X AN 1/30
			0 New Code Added by IC [32-03] Entered to satisfy X12 syntax	
X	SL104	320	Scale A carrier-maintained reference used to further identify a schedule of rates within a tariff	X AN 1/10
X	SL105	373	Date Date expressed as CCYYMMDD	O DT 8/8
X	SL106	284	Service Level Code Code indicating the level of transportation service or the billing service offered by the transportation carrier Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
X	SL107	146	Shipment Method of Payment Code identifying payment terms for transportation charges Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2

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:

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

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>ID 2/3</u>
M	N901	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		[33-01] Reference Identification Qualifier	
		[34-01] Reference Identification Qualifier	
		[35-01] Reference Number Qualifier	
		[36-01] Reference Number Qualifier	
		[37-01] Reference Number Qualifier	
		[38-01] DoDIC Qualifier	
		08 Carrier Assigned Package Identification Number	
		A reference number assigned by a carrier to uniquely identify a single package	
		[35-01] Carrier Assigned Package Identification Number	
		1I Department of Defense Identification Code (DoDIC)	
		Qualifies a code that uniquely identifies a type of explosive or ammunition	
		[38-01] Department of Defense Identification Code (DoDIC)	
		BT Batch Number	
		[36-01] Batch Number	
		P4 Project Code	
		[34-01] Project Code	
		RB Rate code number	
		[37-01] Rate code number	
		TG Transportation Control Number (TCN)	
		[33-01] Transportation Control Number (TCN)	
>>	N902	127 Reference Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as	

specified by the Reference Identification Qualifier

[33-02] Transportation Control Number

A DoD unique number identifying a shipment.

[34-02] Project Code

[35-02] Carrier Tracking Number

Carrier assigned shipment identification number.

[36-02] Package Aggregation Number

Identifies multiple packages going to the same recipient using the same type of service.

[37-02] Rate Code Number

Identifies the system used to rate the shipment.

[38-02] DoDIC

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

1 New Code Added by IC

[37-02] Rated by Shipper System

2 New Code Added by IC

[37-02] Rated by Carrier System

3 New Code Added by IC

[37-02] Rated for Transport of Repair or Return Packages

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

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: [39] L5 SEGMENT - Item Description

SEGMENT CONDITION: Use when Item Description is applicable.

Data Element Summary

Ref.	Data Element	Name	Attributes
X	L501	213 Lading Line Item Number Sequential line number for a lading item	O N0 1/3
>>	L502	79 Lading Description Description of an item as required for rating and billing purposes [39-02] Item Description Clear text description of contents of package.	O AN 1/50
X	L503	22 Commodity Code Code describing a commodity or group of commodities	X AN 1/30
X	L504	23 Commodity Code Qualifier Code identifying the commodity coding system used for Commodity Code Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
X	L505	103 Packaging Code Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required Refer to 004010 Data Element Dictionary for acceptable code values.	O AN 3/5
X	L506	87 Marks and Numbers Marks and numbers used to identify a shipment or parts of a shipment	X AN 1/48
X	L507	88 Marks and Numbers Qualifier Code specifying the application or source of Marks and Numbers (87) Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/2
X	L508	23 Commodity Code Qualifier Code identifying the commodity coding system used for Commodity Code Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
X	L509	22 Commodity Code Code describing a commodity or group of commodities	X AN 1/30
X	L510	595 Compartment ID Code Code identifying the compartment in a compartmentalized tank car Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1

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

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

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

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

Notes: [40] L0 SEGMENT - Actual Weight
 [44] L0 SEGMENT - Dimensional Weight
 Dimensional Weight is the chargeable weight computed on the basis of volume rather than actual weight.
 LOOP CONDITION: Use when applicable.
 [51] L0 SEGMENT - Accessorial Service

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
>>	L001	213 Lading Line Item Number	O N0 1/3
		Sequential line number for a lading item	
		[51-01] Lading Line Item Number	
		1 New Code Added by IC	
		[51-01] Entered to satisfy X12 syntax.	
X	L002	220 Billed/Rated-as Quantity	X R 1/11
		Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	
X	L003	221 Billed/Rated-as Qualifier	X ID 2/2
		Code identifying the type of quantity or value on which the rate or item pricing is based	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
>>	L004	81 Weight	X R 1/10
		Numeric value of weight	
		[40-04] Actual Weight	
		[44-04] Dimensional Weight	
		When applicable, dimensional weight shall be calculated using the following formula: Length x Width x Height divided by 166 equals dimensional weight (all measurements in inches).	
>>	L005	187 Weight Qualifier	X ID 1/2
		Code defining the type of weight	
		[40-05] Weight Qualifier	
		[44-05] Weight Qualifier	
		A1 Dimensional Weight	
		[44-05] Dimensional Weight	
		FR Freight Weight	

[40-05] Freight Weight					
X	L006	183	Volume		X R 1/8
			Value of volumetric measure		
X	L007	184	Volume Unit Qualifier		X ID 1/1
			Code identifying the volume unit		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	L008	80	Lading Quantity		X N0 1/7
			Number of units (pieces) of the lading commodity		
X	L009	211	Packaging Form Code		X ID 3/3
			Code for packaging form of the lading quantity		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	L010	458	Dunnage Description		O AN 2/25
			Material used to protect lading		
>>	L011	188	Weight Unit Code		O ID 1/1
			Code specifying the weight unit		
			[40-11] Weight Unit Code		
			[44-11] Weight Unit Code		
			L Pounds		
			[40-11] Pounds		
			[44-11] 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:
 [41] L1 SEGMENT - Item Charges
 [52] L1 SEGMENT - Accessorial Service Charge
 SEGMENT CONDITION: Use when Accessorial Service Charge applies.
 [53] L1 SEGMENT - Shipping Cost
 SEGMENT CONDITION: Use when Shipping Cost applies to accessorial services.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
X	L101	213	Lading Line Item Number Sequential line number for a lading item	O N0 1/3
X	L102	60	Freight Rate Rate that applies to the specific commodity	X R 1/9
X	L103	122	Rate/Value Qualifier Code qualifying how to extend charges or interpret value Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
>>	L104	58	Charge 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 [41-04] Item Charge Provides transportation linehaul charges for shipment. Package aggregation and other discounts should be applied. [52-04] Service Charge The charge for an accessorial service. Use up to 9-digits with an implied decimal at the second position. [53-04] Shipping Cost	X N2 1/12
X	L105	191	Advances Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified	X N2 1/9
X	L106	117	Prepaid Amount Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified	X N2 1/9
X	L107	120	Rate Combination Point Code The code denoting the connecting station for a joint rate obtained by combining two or more published rates which are used for the calculation of transportation charges Refer to 004010 Data Element Dictionary for acceptable code values.	O AN 3/9
>>	L108	150	Special Charge or Allowance Code Code identifying type of special charge or allowance	O ID 3/3

[52-08] Service Code	
080	Air Transportation Charge [52-08] Air Transportation Charge
510	Offshore - Alaska/Hawaii [52-08] Offshore - Alaska/Hawaii Use '510' to denote Offshore Alaska/Hawaii
535	Pickup - Out of Area [52-08] Pickup - Out of Area Use '535' to denote Pickup Out of Area
645	Restricted Article Fee [52-08] Restricted Article Fee
665	Saturday Delivery [52-08] Saturday Delivery
670	Saturday Pick-Up [52-08] Saturday Pick-Up
COD	COD Amount [52-08] COD Amount
COL	Fee for Collecting COD Charge [52-08] Fee for Collecting COD Charge Use 'COL' to denote Fee for Collection COD
CTG	Cartage Charge [52-08] Cartage Charge
EVC	Excessive Value Charge [52-08] Excessive Value Charge Use 'EVC' to denote Excess Value Charge
FUE	Fuel Charge [52-08] Fuel Charge Use 'FUE' to denote Fuel Surcharge
HAZ	Hazardous Cargo Charge [52-08] Hazardous Cargo Charge Use 'HAZ' to denote Hazardous Materials
HDG	Holding Charge [52-08] Holding Charge
HMA	Accessible Hazardous Material [52-08] Accessible Hazardous Material
HMI	Inaccessible Hazardous Material [52-08] Inaccessible Hazardous Material
HOL	Sunday or Holiday Pick-up or Delivery [52-08] Sunday or Holiday Pick-up or Delivery
IDL	Inside Delivery [52-08] Inside Delivery
INC	Insurance Surcharge [52-08] Insurance Surcharge
IPU	Inside Pick-up [52-08] Inside Pick-up
LIE	Liability of Carrier Charge [52-08] Liability of Carrier Charge
NCH	Order Notify Charge [52-08] Order Notify Charge
NDA	New Code Added by IC [52-08] Next Day Air
OCP	New Code Added by IC [52-08] On Call Pickup

OUT	Out of Zone Pick-up or Delivery [52-08] Out of Zone Pick-up or Delivery Use 'OUT' to denote Delivery Out of Area
OVN	New Code Added by IC [52-08] Overnight
PDY	Pickup and Delivery Beyond Service Area Charge [52-08] Pickup and Delivery Beyond Service Area Charge
PMS	Pickup of Shipments Requiring Same Day Delivery Service Charge [52-08] Pickup of Shipments Requiring Same Day Delivery Service Charge
POD	Proof of Delivery [52-08] Proof of Delivery
PYS	Priority Service Charge [52-08] Priority Service Charge
RCC	Reconsignment Charge [52-08] Reconsignment Charge
REP	Residential Pick-up [52-08] Residential Pick-up Use 'REP' to denote Residential Pickup
RES	Residential Delivery [52-08] Residential Delivery
SAT	Saturday Pick-up or Delivery Charge [52-08] Saturday Pick-up or Delivery Charge
SCN	New Code Added by IC [52-08] Second Day
SDW	New Code Added by IC [52-08] Second Day Hundredweight
STG	New Code Added by IC [52-08] Standard Ground
ZZZ	Mutually Defined [52-08] Mutually Defined

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 [41-14] Declared Value Value of the shipment as declared by the shipper for insurance purposes. Use

			up to 8-digits with an implied decimal at the second position.	
	L115	122	Rate/Value Qualifier	X ID 2/2
			Code qualifying how to extend charges or interpret value	
			[41-15] Declared Value Units Qualifier	
			PZ Per Package Charge	
			[41-15] 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:

[42] MEA SEGMENT - Line Item Value
CHANGE NOTE: Segment condition changed per DM 1044.
SEGMENT CONDITION: Declared value is required for all shipments that will be processed through a foreign host nation's customs and border clearance program.

[43] MEA SEGMENT - Length, Height, Width
SEGMENT CONDITION: 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	
			[43-02] Measurement Qualifier	
		HT	Height	[43-02] Height
		LN	Length	[43-02] Length
		WD	Width	[43-02] Width
>>	MEA03	739	Measurement Value	X R 1/20
			The value of the measurement	
			[42-03] Line Item Value The value of the line item as reported on the Item Requisition and Receipt Data (IRRD) packing list.	
			[43-03] Measurement	
>>	MEA04	C001	Composite Unit of Measure	X
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
			[42-04] Unit or Basis for Measurement Code The element separator is not used in this template. Its elements are concatenated together without using a delimiter. CHANGE NOTE: Requirement attribute corrected.	
			[43-04] 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	

[42-04-01] Unit or Basis for Measurement Code
[43-04-01] Unit or Basis for Measurement Code
DO Dollars, U.S.
[42-04-01] Dollars, U.S.
IN Inch
[43-04-01] Inch

	C00102	1018	Exponent	O R 1/15
			Power to which a unit is raised	
	C00103	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
	C00104	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	
	C00105	1018	Exponent	O R 1/15
			Power to which a unit is raised	
	C00106	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
	C00107	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	
	C00108	1018	Exponent	O R 1/15
			Power to which a unit is raised	
	C00109	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
	C00110	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	
	C00111	1018	Exponent	O R 1/15
			Power to which a unit is raised	
	C00112	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
	C00113	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	
	C00114	1018	Exponent	O R 1/15
			Power to which a unit is raised	
	C00115	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
X	MEA05	740	Range Minimum	X R 1/20
			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: [45] 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	
		[45-01] Unit or Basis for Measurement Code	
		Use 'ZZ' in this data element to satisfy X12 syntax.	
		ZZ Mutually Defined	
		[45-01] Mutually Defined	
M	LH102	80 Lading Quantity	M N0 1/7
		Number of units (pieces) of the lading commodity	
		[45-02] Lading Quantity	
		0 New Code Added by IC	
		[45-02] Entered 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	
		[45-03] UN/NA Identification Code	
		United Nations/North America code identifying the hazardous material identification number as required by Title 49 Code of Federal Regulations (CFR).	
		SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	
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:	<ol style="list-style-type: none"> 1 If either LH206 or LH207 is present, then the other is required. 2 If either LH208 or LH209 is present, then the other is required. 3 If either LH210 or LH211 is present, then the other is required.
Semantic Notes:	<ol style="list-style-type: none"> 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:	[46] LH2 SEGMENT - HAZMAT SEGMENT CONDITION: Required when HAZMAT is applicable.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
>>	LH201	215	Hazardous Classification	O ID 1/30
			The hazardous classification corresponding to the shipping name of the hazardous commodity [46-01] Hazardous Classification Identifies the hazard class or division prescribed for the material as shown in column 3 of 49 CFR Table 172.101. SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	
X	LH202	983	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	X ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	
X	LH209	408	Temperature	X R 1/4
			Temperature	
X	LH210	355	Unit or Basis for Measurement Code	X ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	

X

LH211

408

Temperature
Temperature

X R 1/4

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

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	FA101	559	Agency Qualifier Code Code identifying the agency assigning the code values [47-01] Agency Qualifier Code	M ID 2/2
			DF Department of Defense (DoD) [47-01] Department of Defense (DoD)	
			DN Department of the Navy [47-01] Department of the Navy	
			DX United States Marine Corps [47-01] United States Marine Corps	
			DY Department of Air Force [47-01] Department of Air Force	
			DZ Department of Army [47-01] Department of Army	
X	FA102	1300	Service, Promotion, Allowance, or Charge Code Code identifying the service, promotion, allowance, or charge Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 4/4
X	FA103	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1

Segment: FA2 Accounting Data
Position: 240
Loop: FA1 Optional
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: To specify the detailed accounting data
Syntax Notes:
Semantic Notes:
Comments:
Notes: [48] FA2 SEGMENT - TCN Appropriation Elements

Data Element Summary

<u>Ref.</u>	<u>Data</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	
		[48-01] Breakdown Structure Detail Code	
		84	Total Direct Costs [48-01] Total Direct Costs
		A1	Department Indicator [48-01] Department Indicator
		A2	Transfer from Department [48-01] Transfer from Department
		A3	Fiscal Year Indicator [48-01] Fiscal Year Indicator
		A4	Basic Symbol Number [48-01] Basic Symbol Number
		A5	Sub-class [48-01] Sub-class
		A6	Sub-Account Symbol [48-01] Sub-Account Symbol
		AT	Air Force Transportation Account Code (ATAC) [48-01] Air Force Transportation Account Code (ATAC)
		B1	Budget Activity Number [48-01] Budget Activity Number
		B2	Budget Sub-activity Number [48-01] Budget Sub-activity Number
		B3	Budget Program Activity [48-01] Budget Program Activity
		C1	Program Element [48-01] Program Element
		C2	Project Task or Budget Subline [48-01] Project Task or Budget Subline
		D1	Defense Agency Allocation Recipient [48-01] Defense Agency Allocation Recipient
		D4	Component Sub-allocation Recipient [48-01] Component Sub-allocation Recipient
		D6	Sub-allotment Recipient [48-01] Sub-allotment Recipient
		D7	Work Center Recipient [48-01] Work Center Recipient

E1	Major Reimbursement Source Code
	[48-01] Major Reimbursement Source Code
E2	Detail Reimbursement Source Code
	[48-01] Detail Reimbursement Source Code
E3	Customer Indicator
	[48-01] Customer Indicator
F1	Object Class
	[48-01] Object Class
F3	Government or Public Sector Identifier
	[48-01] Government or Public Sector Identifier
G2	Special Interest Code or Special Program Cost Code
	[48-01] Special Interest Code or Special Program Cost Code
I1	Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC)
	[48-01] Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC) Use 'I1' to denote Abbreviated Department of Defense (DoD) Budget and Accounting Classification
J1	Document or Record Reference Number
	[48-01] Document or Record Reference Number
K6	Accounting Classification Reference Code
	[48-01] Accounting Classification Reference Code
L1	Accounting Installation Number
	[48-01] Accounting Installation Number
M1	Local Installation Data
	[48-01] Local Installation Data
MD	Movement Designator Code (MDC)
	[48-01] Movement Designator Code (MDC)
N1	Transaction Type
	[48-01] Transaction Type
P5	Foreign Military Sales (FMS) Line Item Number
	[48-01] Foreign Military Sales (FMS) Line Item Number
TA	Transportation Account Code (TAC)
	[48-01] Transportation Account Code (TAC)
ZZ	Mutually Defined
	[48-01] Mutually Defined

M FA202 1195 Financial Information Code M AN 1/80

Code representing financial accounting information

[48-02] Financial Information Code

When FA201 contains code value '84', FA202 should be formatted as a dollar amount including a decimal character and two positions after the decimal, representing cents even if the value is a whole dollar amount.

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

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	L1001	81	Weight Numeric value of weight [49-01] Weight Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	M R 1/10
M	L1002	187	Weight Qualifier Code defining the type of weight [49-02] Weight Qualifier N Actual Net Weight [49-02] Actual Net Weight	M ID 1/2
>>	L1003	188	Weight Unit Code Code specifying the weight unit [49-03] Weight Unit Code L Pounds [49-03] Pounds	O ID 1/1

Segment: **N1** Name
Position: 290
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.
Notes: [54] N1 SEGMENT - Destination
LOOP CONDITION: Required to accommodate the MRM 15 direction to use PowerTrack for small package/express shipments either this destination identifier loop or the one in Table 1 must appear.

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			[54-01] Ship To Qualifier	
		ST	Ship To	
			[54-01] Ship To	
>>	N102	93	Name	X AN 1/60
			Free-form name	
			[54-02] Destination Name	
			Name of party responsible for receiving delivery of the shipment.	
	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			[54-03] DoDAAC/CAGE Qualifier	
		10	Department of Defense Activity Address Code (DODAAC)	
			[54-03] Department of Defense Activity Address Code (DODAAC)	
		33	Commercial and Government Entity (CAGE)	
			[54-03] Commercial and Government Entity (CAGE)	
	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
			[54-04] 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:

[55] 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. Des.	Data Element	Name	Attributes
M	N201	93	Name Free-form name	M AN 1/60
X	N202	93	Name Free-form name	O AN 1/60

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

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

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information Address information [56-01] Destination Address Information	M AN 1/55
	N302	166	Address Information Address information [56-02] Destination Address Information	O AN 1/55

Segment: **N4 Geographic Location**
Position: 320
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: [57] 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 Element	Name	Attributes
>>	N401	19 City Name Free-form text for city name [57-01] Destination City Name	O AN 2/30
	N402	156 State or Province Code Code (Standard State/Province) as defined by appropriate government agency [57-02] Destination State/Province Code ELEMENT CONDITION: Required when applicable, since this information is not always available for international shipments. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	O ID 2/2
	N403	116 Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States) [57-03] Destination ZIP/Postal Code ELEMENT CONDITION: Required when applicable, since this information is not always available for international shipments. SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	O ID 3/15
	N404	26 Country Code Code identifying the country [57-04] Destination Country Code ELEMENT CONDITION: When the shipment moves from CONUS-to-CONUS or OCONUS-to-OCONUS, use the two- or three-character abbreviation code for the country where delivery will occur. SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute	O ID 2/3
X	N405	309 Location Qualifier Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
X	N406	310 Location Identifier Code which identifies a specific location	O AN 1/30

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

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

Semantic Notes: 1 L305 is the total charges.

Comments:

Notes: [58] L3 SEGMENT - Total Charge for Shipment

Data Element Summary

Ref.	Data	Attributes	
<u>Des.</u>	<u>Element</u> <u>Name</u>	<u>X</u>	<u>R</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		
	[58-05] 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 Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	O AN 1/7
X	L314	74	Declared Value Monetary assigned value expressed in the standard monetary denomination for the currency specified	X N2 2/12
X	L315	122	Rate/Value Qualifier Code qualifying how to extend charges or interpret value Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2

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: [59] SE SEGMENT - Express Package Trailer

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
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	
		[59-01] 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	
		[59-02] Transaction Set Control Number	
		This data element ends the transaction set and should match the number that appears in the ST02 that begins the transaction set.	

Section 4.0

IC ELEMENT MATRIX

OVERVIEW

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

PURPOSE

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

HOW TO READ THE IC ELEMENT MATRIX

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

Record Types

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

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

Two Categories of Record Information

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

- IC application information describes attributes about the application requirement.

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

Matrix Layout

The IC element matrix lists information in ten columns.

- IC Data Element Name (DATA NAME) is a label for each data element using terminology common to the business environment. The IC element matrix identifies an element as a “Route Order Number Qualifier.” This is more concise than using the generic X12 label of “Reference Number Qualifier.” A segment header record identifies the segment ID in this column.
- IC Element Number (INDEX) enables analysts and programmers to quickly cite a record in the matrix.
- IC Data Group Number (DATA GRP) is a number assigned by the IC developers. That number identifies an IC element with a group of elements that form a relation (database table) within the application data model. In order to quickly reference a relation, Defense transportation developers label them with a Data Group number. For example, a “Bill To Address” may belong to the “PURCHASE ORDER” relation (DATA GRP = 10). A “Stop-off Delivery Address” may belong to the “ITEM DELIVERY” relation (DATA GRP = 60).
- X12 Transaction Set Table Number (TBL). 1= Header Table, 2= Detail Table, 3= Summary Table.
- X12 Segment Position (POS). The position of the segment in the transaction set table.
- X12 Segment Reference Designator (REF DES). The segment ID and position of the element within the segment. This column is blank for all segment header records.
- X12 Simple or Composite Data Element Number (DE#). The X12 data element that occurs at the REF DES of the segment. This column is blank for all segment header records.
- IC Requirement Designator (DoD REQ). In a segment header record, this column indicates the usage of the segment. In an element record, this column indicates the usage of the element within the segment, if the segment is used.
- IC Element Code List (VALUE). This column lists both X12 standard codes and application-unique codes. If the list is large, it appears in the Section 6.0 - Application Code Lists.
- IC Element Notes (DoD CONVENTION NOTES) can contain information about various segment and element attributes. Element attributes may differ from those in the X12 standard. For example, if trading partners expect to exchange a purchase order number that has a specific length and structure, those attributes are described here. Further, if a DoD REQ is conditional, the condition is usually described here. Finally, the note may contain the following references:
 - > DTR — Appearing in brackets (e.g. [DTR: T_9 D-15 54/80]), this notation references the DTR data identifier card (DIC) where the data originates. It also identifies the beginning and ending columns (e.g. 54/80) where the data occurs in the DIC.
 - > ALTSEG/NTE — When a data element cites this notation, always carry the data element in a data group 9001 NTE segment and include the T_9 rp 80 counter number. Further, when the application system can identify trailer data content, carry the data as described by the citing data element and exclude the T_9 rp 80 counter number.

Sort Order of the Matrix

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

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

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DoD INFORMATION				X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
2-05		Standard Carrier Alpha Code The industry assigned alpha code representing the carrier who received the shipment. SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	M ID 2/4	1	030	M	1				BX05	140	O ID	2/4
2-14		Application Type ELEMENT CONDITION: Use when broker. BF - [Migration Code] Broker Files	C ID 2/2	1	030	M	1				BX14	346	O ID	2/2
3		N9 SEGMENT - Carrier Waybill/PRO Number SEGMENT CONDITION: Use when Carrier Waybill/PRO Number is available.	C	1	060	O	30							See X12 Standards for explanation of syntax notes. R0203C0605
3-01		Reference Number Qualifier CN - Carrier's Reference Number (PRO/Invoice) WY - Waybill Number	M ID 2/2	1	060	O	30				N901	128	M ID	2/3
3-02		Carrier Waybill/PRO Number	M ID 1/30	1	060	O	30				N902	127	C AN	1/30
4		N9 SEGMENT - Carrier Pickup Number SEGMENT CONDITION: Use when Carrier Pickup Number is available.	C	1	060	O	30							See X12 Standards for explanation of syntax notes. R0203C0605
4-01		Reference Number Qualifier P8 - Pickup Reference Number	M ID 2/2	1	060	O	30				N901	128	M ID	2/3
4-02		Carrier Pickup Number	M AN 1/30	1	060	O	30				N902	127	C AN	1/30
5		N9 SEGMENT - Credit Card Number SEGMENT CONDITION: Use this segment if the shipper is following credit card procedures to pay the carrier.	C	1	060	O	30							See X12 Standards for explanation of syntax notes. R0203C0605
5-01		Reference Number Qualifier E4 - Charge Card Number	M ID 2/2	1	060	O	30				N901	128	M ID	2/3
5-02		Credit Card Number The credit card account number owned by the shipper. That card number is used by the carrier to bill the shipper's paying activity.	M AN 1/30	1	060	O	30				N902	127	C AN	1/30
6		N9 SEGMENT - Carrier Data SEGMENT CONDITION: Use when transmission of Carrier Data is needed.	C	1	060	O	30							See X12 Standards for explanation of syntax notes. R0203C0605

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
6-01		Carrier Data Qualifier See Section 6 for list of data values.	M ID 2/2	1	060	O	30				N901	128	M	ID 2/3
6-02		Carrier Data	M AN 1/30	1	060	O	30				N902	127	C	AN 1/30
7		C3 SEGMENT - Currency Code SEGMENT CONDITION: The segment is not required, and will not be used, when currency is in U.S. Dollars. This segment indicates the currency used for the bill of lading.	C	1	090	O	1							
7-01		Currency Code Data element C301 indicates a particular country's/region's currency used for all items on the Bill of Lading. (For example, the code value for EURO dollars is 'EUR'.) Other appropriate currency code values from the ISO 4217 table may be found on the web at: http://www.iso.org/iso/en/prods-services/popstds/currencycodeslist.html . SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute	M ID 3/3	1	090	O	1				C301	100	M	ID 3/3
8		G62 SEGMENT - Required Delivery Date (RDD)	M	1	110	O	10							
				See X12 Standards for explanation of syntax notes. R0103P0102P0304										
8-01		Date Qualifier 54 - Deliver No Later Than Date	M ID 2/2	1	110	O	10				G6201	432	C	ID 2/2
8-02		Required Delivery Latest date the shipment is expected to be delivered. Use CCYYMMDD format.	M DT 8/8	1	110	O	10				G6202	373	C	DT 8/8
8-03		Time Qualifier 4 - Pickup Requested Scheduled Time	C ID 1/1	1	110	O	10				G6203	176	C	ID 1/2
8-04		Delivery Time Latest time the shipment is expected to be delivered. Use HHMM format.	C TM 4/4	1	110	O	10				G6204	337	C	TM 4/8
9		G62 SEGMENT - Carrier Pickup Date	M	1	110	O	10							
				See X12 Standards for explanation of syntax notes. R0103P0102P0304										
9-01		Date Qualifier 86 - Actual Pickup Date	M ID 2/2	1	110	O	10				G6201	432	C	ID 2/2
9-02		Carrier Pickup Date Date shipment is picked up from the shipper by the carrier. Use CCYYMMDD format.	M DT 8/8	1	110	O	10				G6202	373	C	DT 8/8

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes			
9-03		Time Qualifier CHANGE NOTE: Requirement attribute changed to CONDITIONAL per DM 895. 8 - Actual Pickup Time	C	ID	1/1	1	110	O	10			G6203	176	C	ID	1/2	
9-04		Carrier Pickup Time Time shipment is picked up from the shipper by the carrier. Use HHMM format. CHANGE NOTE: Requirement attribute changed to CONDITIONAL per DM 895.	C	TM	4/4	1	110	O	10			G6204	337	C	TM	4/8	
10		G62 SEGMENT - Bill Prepared Date	M			1	110	O	10								
																See X12 Standards for explanation of syntax notes. R0103P0102P0304	
10-01		Date Qualifier 76 - Bill of Lading	M	ID	2/2	1	110	O	10			G6201	432	C	ID	2/2	
10-02		Bill of Lading Prepared Date Date shipment is prepared by the shipper. Use CCYYMMDD format.	M	DT	8/8	1	110	O	10			G6202	373	C	DT	8/8	
11		N1 SEGMENT - Destination LOOP CONDITION: Required to accommodate the MRM 15 direction to use PowerTrack for small package/express shipments either this destination identifier loop or the one in Table 2 must appear. Begins destination identifier loop. This loop calls for an N1, N2, N3, N4, and PER segments.	C			1	390	O	1	12	1	N1				See X12 Standards for explanation of syntax notes. R0203P0304	
11-01		Destination Qualifier ST - Ship To	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M	ID	2/3
11-02		Destination Name Name of party responsible for receiving delivery of the shipment.	M	AN	1/60	1	390	O	1	12	1	N1	N102	93	C	AN	1/60
11-03		DoDAAC/CAGE Qualifier 10 - Department of Defense Activity Address Code (DODAAC) 33 - Commercial and Government Entity (CAGE)	C	ID	2/2	1	390	O	1	12	1	N1	N103	66	C	ID	1/2
11-04		Destination DoDAAC or CAGE Code that identifies the activity responsible for receiving delivery of the shipment. (Use 5 or 6 characters.)	C	AN	5/6	1	390	O	1	12	1	N1	N104	67	C	AN	2/80
12		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.	C			1	400	O	2	12	1	N1					

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
12-01		Destination Additional Name	M	AN	1/60	1	400	O	2	12	1	N1	N201	93	M AN 1/60
13		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.	C			1	410	O	2	12	1	N1			
13-01		Destination Street	M	AN	1/55	1	410	O	2	12	1	N1	N301	166	M AN 1/55
13-02		Destination Street Additional	C	AN	1/55	1	410	O	2	12	1	N1	N302	166	O AN 1/55
14		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.	C			1	420	O	1	12	1	N1			See X12 Standards for explanation of syntax notes. C0605
14-01		Destination City	M	AN	2/30	1	420	O	1	12	1	N1	N401	19	O AN 2/30
14-02		Destination State/Province Code SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	1	420	O	1	12	1	N1	N402	156	O ID 2/2
14-03		Destination Zip/Postal Code ELEMENT CONDITION: If a postal code exists, it is required. SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C	ID	3/15	1	420	O	1	12	1	N1	N403	116	O ID 3/15
14-04		Destination Country Code ELEMENT CONDITION: When the shipment moves from CONUS-to-CONUS or OCONUS-to-OCONUS, use the two- or three-character abbreviation code for the country where delivery will occur. SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute	C	ID	2/3	1	420	O	1	12	1	N1	N404	26	O ID 2/3
15		PER SEGMENT - Destination Contact SEGMENT CONDITION: Provide when applicable. Not always available for DLA shipments.	C			1	440	O	3	12	1	N1			See X12 Standards for explanation of syntax notes. P0304P0506P0708
15-01		Contact Function Code EM - Emergency Contact	M	ID	2/2	1	440	O	3	12	1	N1	PER01	366	M ID 2/2

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DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
15-03		Communication Number Qualifier TE - Telephone	M	ID	2/2	1	440	O	3	12	1	N1	PER03	365	C ID 2/2
15-04		Destination Contact Phone Number The commercial phone number (Not FTS or DSN) of the party responsible for receiving delivery of the shipment.	M	AN	7/21	1	440	O	3	12	1	N1	PER04	364	C AN 1/80
16		N1 SEGMENT - Origin Begins origin identifier loop. This loop calls for an N1, N2, N3, N4, and REF segments.	M			1	390	O	1	12	1	N1			See X12 Standards for explanation of syntax notes. R0203P0304
16-01		Origin Qualifier SF - Ship From	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M ID 2/3
16-02		Origin Name	M	AN	1/60	1	390	O	1	12	1	N1	N102	93	C AN 1/60
16-03		DoDAAC/CAGE Qualifier 10 - Department of Defense Activity Address Code (DODAAC) 33 - Commercial and Government Entity (CAGE)	C	ID	2/2	1	390	O	1	12	1	N1	N103	66	C ID 1/2
16-04		Origin DoDAAC or CAGE Identification code of the responsible activity at the pickup location.	C	AN	5/6	1	390	O	1	12	1	N1	N104	67	C AN 2/80
17		N2 SEGMENT - Origin SEGMENT CONDITION: Use when Origin Additional Name is needed.	C			1	400	O	2	12	1	N1			
17-01		Origin Additional Name	M	AN	1/60	1	400	O	2	12	1	N1	N201	93	M AN 1/60
18		N3 SEGMENT - Origin SEGMENT CONDITION: Use when Origin Street Address is needed.	C			1	410	O	2	12	1	N1			
18-01		Origin Street	M	AN	1/55	1	410	O	2	12	1	N1	N301	166	M AN 1/55
18-02		Origin Street Additional	C	AN	1/55	1	410	O	2	12	1	N1	N302	166	O AN 1/55
19		N4 SEGMENT - Origin City, State/Province, ZIP/Postal Code, and Country SEGMENT CONDITION: Use when Origin City, State/Province, ZIP/Postal Code, and Country is needed.	C			1	420	O	1	12	1	N1			See X12 Standards for explanation of syntax notes. C0605

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
19-01		Origin City	C	AN	2/30	1	420	O	1	12	1	N1	N401	19	O AN 2/30
19-02		Origin State/Province Code SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	1	420	O	1	12	1	N1	N402	156	O ID 2/2
19-03		Origin Zip/Postal Code ELEMENT CONDITION: If a postal code exists, it is required. SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C	ID	3/15	1	420	O	1	12	1	N1	N403	116	O ID 3/15
19-04		Origin Country Code ELEMENT CONDITION: When the shipment moves from CONUS-to-CONUS or OCONUS-to-OCONUS, use the two- or three-character abbreviation code for the country where delivery will occur. SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute	C	ID	2/3	1	420	O	1	12	1	N1	N404	26	O ID 2/3
20		REF SEGMENT - Carrier Origin Code SEGMENT CONDITION: Use when Carrier Origin Code is available.	C			1	430	O	12	12	1	N1			See X12 Standards for explanation of syntax notes. R0203
20-01		Reference Identification Qualifier 4B - Shipment Origin Code	M	ID	2/2	1	430	O	12	12	1	N1	REF01	128	M ID 2/3
20-02		Carrier Origin Code Carrier assigned number representing pickup location.	M	AN	1/30	1	430	O	12	12	1	N1	REF02	127	C AN 1/30
21		N1 SEGMENT - Party to Receive Carrier's Invoice Begins loop. This loop calls for a single N1 segment.	M			1	390	O	1	12	1	N1			See X12 Standards for explanation of syntax notes. R0203P0304
21-01		Party to Receive Carrier's Invoice Qualifier PO - Party to Receive Invoice for Goods or Services	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M ID 2/3
21-03		Identification Code Qualifier 10 - Department of Defense Activity Address Code (DODAAC) 9 - D-U-N-S+4, D-U-N-S Number with Four Character Suffix <i>Use '9' to denote D-U-N-S+4.</i>	M	ID	1/2	1	390	O	1	12	1	N1	N103	66	C ID 1/2

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21-04		Bill Charges To Organization Identification Number DoDAAC or DUNS+4 number that identifies the party to receive the invoice. If the origination identification number is other than DoDAAC or DUNS, it should be specified in the trading partner agreement.	M	AN	6/13	1	390	O	1	12	1	N1	N104	67	C AN	2/80
22		N2 SEGMENT - Additional Name SEGMENT CONDITION: Use when Additional Name is needed.	C			1	400	O	2	12	1	N1				
22-01		Additional Name	M	AN	1/60	1	400	O	2	12	1	N1	N201	93	M AN	1/60
22-02		Additional Name	C	AN	1/60	1	400	O	2	12	1	N1	N202	93	O AN	1/60
23		N1 SEGMENT - Bill Charges To LOOP CONDITION: Use when applicable. Begins Bill Charges To loop. This loop calls for a single N1 segment. It identifies the customer who is ultimately responsible for paying the transportation cost.	C			1	390	O	1	12	1	N1				See X12 Standards for explanation of syntax notes. R0203P0304
23-01		Payer Identifier Code BT - Bill-to-Party	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M ID	2/3
23-03		Payer Account Number Qualifier 25 - Carrier's Customer Code	M	ID	2/2	1	390	O	1	12	1	N1	N103	66	C ID	1/2
23-04		Payer Account Number The format of payer account number should be specified in the trading partner agreement.	M	AN	2/20	1	390	O	1	12	1	N1	N104	67	C AN	2/80
24		N1 SEGMENT - Hold at Location Address LOOP CONDITION: Use when Hold at Location Address is applicable.	C			1	390	O	1	12	1	N1				See X12 Standards for explanation of syntax notes. R0203P0304
24-01		Hold at Location Qualifier WD - Storage Facility at Destination	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M ID	2/3
24-02		Hold at Location Name	M	AN	1/60	1	390	O	1	12	1	N1	N102	93	C AN	1/60
25		N3 SEGMENT - Hold at Location Street Address SEGMENT CONDITION: Use when Hold at Location Street Address is applicable.	C			1	410	O	2	12	1	N1				
25-01		Hold at Location Street Address	M	AN	1/55	1	410	O	2	12	1	N1	N301	166	M AN	1/55

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
26		N4 SEGMENT - Hold at Location City, State/Province, ZIP/Postal Code, and Country SEGMENT CONDITION: Use when Hold at Location City, State/Province, ZIP/Postal Code, and Country is applicable.	C		1	420	O	1	12	1	N1			See X12 Standards for explanation of syntax notes. C0605		
26-01		Hold at Location City Name	M	AN	2/30	1	420	O	1	12	1	N1	N401	19	O AN	2/30
26-02		Hold at Location State/Province Code SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	M	ID	2/2	1	420	O	1	12	1	N1	N402	156	O ID	2/2
26-03		Hold at Location Zip/Postal Code SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S. Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	M	ID	3/15	1	420	O	1	12	1	N1	N403	116	O ID	3/15
26-04		Hold at Location Country Code SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute	C	ID	2/3	1	420	O	1	12	1	N1	N404	26	O ID	2/3
27		PER SEGMENT - Hold at Location Contact SEGMENT CONDITION: Use when Hold at Location Contact is applicable.	C			1	440	O	3	12	1	N1			See X12 Standards for explanation of syntax notes. P0304P0506P0708	
27-01		Hold at Location Contact Qualifier CN - General Contact	M	ID	2/2	1	440	O	3	12	1	N1	PER01	366	M ID	2/2
27-03		Hold at Location Contact Commercial Phone Qualifier TE - Telephone	M	ID	2/2	1	440	O	3	12	1	N1	PER03	365	C ID	2/2
27-04		Hold at Location Contact Commercial Phone Number	M	AN	7/21	1	440	O	3	12	1	N1	PER04	364	C AN	1/80
28		N1 SEGMENT - Issuing Office GBLOC LOOP CONDITION: Use when Issuing Office GBLOC is available.	C			1	390	O	1	12	1	N1			See X12 Standards for explanation of syntax notes. R0203P0304	
28-01		Issuing Office Qualifier IU - Issuer	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M ID	2/3
28-02		Issuing Office Name	C	AN	1/60	1	390	O	1	12	1	N1	N102	93	C AN	1/60

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28-03		Issuing Office GBLOC Qualifier 27 - Government Bill Of Lading Office Code (GBLOC)	M	ID	2/2	1	390	O	1	12	1	N1	N103	66	C	ID	1/2
28-04		Issuing Office GBLOC	M	AN	4/4	1	390	O	1	12	1	N1	N104	67	C	AN	2/80
29		FA1 SEGMENT - Appropriation Number SEGMENT CONDITION: REQUIRED except when transmitting data to carriers. Carriers do not need to receive appropriation data. Begins the Appropriation Number loop. This contains the FA1 and FA2 segments. Shipper systems that are capable of receiving, storing, and sending structured DoD appropriation numbers may use this loop to exchange those numbers with trading partners.	M			1	550	O	1	>1	1	FA1					
29-01		Agency Qualifier Code DF - Department of Defense (DoD) DN - Department of the Navy DX - United States Marine Corps DY - Department of Air Force DZ - Department of Army	M	ID	2/2	1	550	O	1	>1	1	FA1	FA101	559	M	ID	2/2
30		FA2 SEGMENT - Appropriation Number	M			1	560	M	>1	>1	1	FA1					
30-01		Breakdown Structure Detail Code See Section 6 for list of data values.	M	ID	2/2	1	560	M	>1	>1	1	FA1	FA201	1196	M	ID	2/2
30-02		Financial Information Code When FA201 contains code value '84', FA202 should be formatted as a dollar amount including a decimal character and two positions after the decimal, representing cents even if the value is a whole dollar amount.	M	AN	1/80	1	560	M	>1	>1	1	FA1	FA202	1195	M	AN	1/80
31		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.	M			2	010	M	1	>1	1	HL					
31-01		Hierarchical ID Number A sequential number assigned by the shipper's application system.	M	N0	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
31-03		Hierarchical Level Code Qualifier identifying that all information within this HL loop corresponds to line item (package) details. 9 - Line Detail	M	ID	1/1	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2

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32		SL1 SEGMENT - Level of Service SEGMENT CONDITION: Use for DLA Level of Service, when applicable.	C	2	095	O	1	>1	1	HL				
				See X12 Standards for explanation of syntax notes. R0304										
32-01		Service Level Code ON - Overnight SC - Second Day Air SE - Second Day SG - Standard Ground SH - Second Day Hundred Weight	M ID 2/2	2	095	O	1	>1	1	HL	SL101	284	M ID	2/2
32-03		Commodity Code 0 - Entered to satisfy X12 syntax	M AN 1/1	2	095	O	1	>1	1	HL	SL103	22	C AN	1/30
33		N9 SEGMENT - TCN	M	2	100	O	10	>1	1	HL				
				See X12 Standards for explanation of syntax notes. R0203C0605										
33-01		Reference Identification Qualifier TG - Transportation Control Number (TCN)	M ID 2/2	2	100	O	10	>1	1	HL	N901	128	M ID	2/3
33-02		Transportation Control Number A DoD unique number identifying a shipment.	M AN 17/17	2	100	O	10	>1	1	HL	N902	127	C AN	1/30
34		N9 SEGMENT - Project Code SEGMENT CONDITION: Use when Project Code is applicable	C	2	100	O	10	>1	1	HL				
				See X12 Standards for explanation of syntax notes. R0203C0605										
34-01		Reference Identification Qualifier P4 - Project Code	M ID 2/2	2	100	O	10	>1	1	HL	N901	128	M ID	2/3
34-02		Project Code	M AN 3/3	2	100	O	10	>1	1	HL	N902	127	C AN	1/30
35		N9 SEGMENT - Carrier Tracking Number SEGMENT CONDITION: Use when Carrier Tracking Number is applicable.	C	2	100	O	10	>1	1	HL				
				See X12 Standards for explanation of syntax notes. R0203C0605										
35-01		Reference Number Qualifier 08 - Carrier Assigned Package Identification Number	M ID 2/2	2	100	O	10	>1	1	HL	N901	128	M ID	2/3
35-02		Carrier Tracking Number Carrier assigned shipment identification number.	M AN 1/30	2	100	O	10	>1	1	HL	N902	127	C AN	1/30

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
36		N9 SEGMENT - Package Aggregation Number SEGMENT CONDITION: Use this segment when aggregating packages is required.	C		2	100	O	10	>1	1	HL				
														See X12 Standards for explanation of syntax notes. R0203C0605	
36-01		Reference Number Qualifier BT - Batch Number	M	ID 2/2	2	100	O	10	>1	1	HL	N901	128	M	ID 2/3
36-02		Package Aggregation Number Identifies multiple packages going to the same recipient using the same type of service.	M	AN 1/30	2	100	O	10	>1	1	HL	N902	127	C	AN 1/30
37		N9 SEGMENT - Rate Code Number SEGMENT CONDITION: Use when Rate Code Number is applicable.	C		2	100	O	10	>1	1	HL				
														See X12 Standards for explanation of syntax notes. R0203C0605	
37-01		Reference Number Qualifier RB - Rate code number	M	ID 2/2	2	100	O	10	>1	1	HL	N901	128	M	ID 2/3
37-02		Rate Code Number Identifies the system used to rate the shipment. 1 - Rated by Shipper System 2 - Rated by Carrier System 3 - Rated for Transport of Repair or Return Packages	M	N0 1/1	2	100	O	10	>1	1	HL	N902	127	C	AN 1/30
38		N9 SEGMENT - DoD Identification Code (DoDIC) SEGMENT CONDITION: Required for DTTS if the hazardous shipment contains ammunition.	C		2	100	O	10	>1	1	HL				
														See X12 Standards for explanation of syntax notes. R0203C0605	
38-01		DoDIC Qualifier 1I - Department of Defense Identification Code (DoDIC)	M	ID 2/2	2	100	O	10	>1	1	HL	N901	128	M	ID 2/3
38-02		DoDIC MANDATORY for all ammunition and explosives. Also called Navy Ammunition Logistics Code (NALC).	M	AN 4/4	2	100	O	10	>1	1	HL	N902	127	C	AN 1/30
39		L5 SEGMENT - Item Description SEGMENT CONDITION: Use when Item Description is applicable.	C		2	130	O	10	>1	1	HL				
														See X12 Standards for explanation of syntax notes. P0304C0706P0809	
39-02		Item Description Clear text description of contents of package.	M	AN 1/50	2	130	O	10	>1	1	HL	L502	79	O	AN 1/50
40		L0 SEGMENT - Actual Weight	M		2	145	O	1	20	2	L0				
														See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315	

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40-04		Actual Weight	M	R	1/10	2	145	O	1	20	2	L0	L004	81	C R	1/10	
40-05		Weight Qualifier FR - Freight Weight	M	ID	2/2	2	145	O	1	20	2	L0	L005	187	C	ID	1/2
40-11		Weight Unit Code L - Pounds	M	ID	1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
41		L1 SEGMENT - Item Charges	M			2	150	O	20	20	2	L0	See X12 Standards for explanation of syntax notes. P0203R040506P1415P1718				
41-04		Item Charge Provides transportation linehaul charges for shipment. Package aggregation and other discounts should be applied.	M	N2	2/12	2	150	O	20	20	2	L0	L104	58	C	N2	1/12
41-14		Declared Value Value of the shipment as declared by the shipper for insurance purposes. Use up to 8-digits with an implied decimal at the second position.	C	N2	2/12	2	150	O	20	20	2	L0	L114	74	C	N2	2/12
41-15		Declared Value Units Qualifier PZ - Per Package Charge	C	ID	2/2	2	150	O	20	20	2	L0	L115	122	C	ID	2/2
42		MEA SEGMENT - Line Item Value SEGMENT CONDITION: Declared value is required for all shipments that will be processed through a foreign host nation's customs and border clearance program. CHANGE NOTE: Segment condition changed per DM 1044.	C			2	160	O	10	20	2	L0	See X12 Standards for explanation of syntax notes. R03050608C0504C0604L07030506E0803				
42-03		Line Item Value The value of the line item as reported on the Item Requisition and Receipt Data (IRRD) packing list.	M	R	1/20	2	160	O	10	20	2	L0	MEA03	739	C	R	1/20
42-04		Unit or Basis for Measurement Code The element separator is not used in this template. Its elements are concatenated together without using a delimiter. CHANGE NOTE: Requirement attribute corrected.	M	CE		2	160	O	10	20	2	L0	MEA04	C001	C	CE	
42-04-01		Unit or Basis for Measurement Code DO - Dollars, U.S.	M	ID	2/2	2	160	C	10	20	2	L0	C00101	355	M	ID	2/2
43		MEA SEGMENT - Length, Height, Width SEGMENT CONDITION: All dimensions are required for all 3PL carrier shipments.	C			2	160	O	10	20	2	L0	See X12 Standards for explanation of syntax notes. R03050608C0504C0604L07030506E0803				

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43-02		Measurement Qualifier HT - Height LN - Length WD - Width	M ID 2/2	2	160	O	10	20	2	L0	MEA02	738	O	ID	1/3
43-03		Measurement	M R 1/20	2	160	O	10	20	2	L0	MEA03	739	C	R	1/20
43-04		Composite Unit of Measure	M CE	2	160	O	10	20	2	L0	MEA04	C001	C	CE	
43-04-01		Unit or Basis for Measurement Code IN - Inch	M ID 2/2	2	160	C	10	20	2	L0	C00101	355	M	ID	2/2
44		L0 SEGMENT - Dimensional Weight LOOP CONDITION: Use when applicable. Dimensional Weight is the chargeable weight computed on the basis of volume rather than actual weight.	C	2	145	O	1	20	2	L0					See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315
44-04		Dimensional Weight When applicable, dimensional weight shall be calculated using the following formula: Length x Width x Height divided by 166 equals dimensional weight (all measurements in inches).	M R 1/10	2	145	O	1	20	2	L0	L004	81	C	R	1/10
44-05		Weight Qualifier A1 - Dimensional Weight	M ID 2/2	2	145	O	1	20	2	L0	L005	187	C	ID	1/2
44-11		Weight Unit Code L - Pounds	M ID 1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
45		LH1 SEGMENT - HAZMAT	C	2	170	O	1	100	2	LH1					
45-01		Unit or Basis for Measurement Code Use 'ZZ' in this data element to satisfy X12 syntax. ZZ - Mutually Defined	M ID 2/2	2	170	O	1	100	2	LH1	LH101	355	M	ID	2/2
45-02		Lading Quantity 0 - Entered to satisfy X12 syntax	M Numeric With No Decimal Places 1/1	2	170	O	1	100	2	LH1	LH102	80	M	N0	1/7

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
45-03		UN/NA Identification Code United Nations/North America code identifying the hazardous material identification number as required by Title 49 Code of Federal Regulations (CFR). SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	M ID 6/6	2	170	O	1	100	2	LH1	LH103	277	O ID	6/6
46		LH2 SEGMENT - HAZMAT SEGMENT CONDITION: Required when HAZMAT is applicable.	C	2	180	O	4	100	2	LH1	See X12 Standards for explanation of syntax notes. P0607P0809P1011			
46-01		Hazardous Classification Identifies the hazard class or division prescribed for the material as shown in column 3 of 49 CFR Table 172.101. SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	M ID 1/30	2	180	O	4	100	2	LH1	LH201	215	O ID	1/30
47		FA1 SEGMENT - TCN Appropriation Number Loop LOOP CONDITION: REQUIRED except when transmitting data to carriers. Carriers do not need to receive appropriation data. Begins the appropriation number loop. This contains the FA1 and FA2 segments. Shipper systems that are capable of receiving, storing, and sending structured DoD appropriation numbers may use this loop to exchange those numbers with trading partners.	C	2	230	O	1	>1	2	FA1				
47-01		Agency Qualifier Code DF - Department of Defense (DoD) DN - Department of the Navy DX - United States Marine Corps DY - Department of Air Force DZ - Department of Army	M ID 2/2	2	230	O	1	>1	2	FA1	FA101	559	M ID	2/2
48		FA2 SEGMENT - TCN Appropriation Elements	M	2	240	M	>1	>1	2	FA1				
48-01		Breakdown Structure Detail Code See Section 6 for list of data values.	M ID 2/2	2	240	M	>1	>1	2	FA1	FA201	1196	M ID	2/2
48-02		Financial Information Code When FA201 contains code value '84', FA202 should be formatted as a dollar amount including a decimal character and two positions after the decimal, representing cents even if the value is a whole dollar amount.	M AN 1/80	2	240	M	>1	>1	2	FA1	FA202	1195	M AN	1/80
49		L10 SEGMENT - TCN Weight SEGMENT CONDITION: Use except when transmitting HAZMAT data to carriers. Carriers do not need to receive appropriation data.	C	2	250	O	1	>1	2	FA1				

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49-01		Weight Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	M	R	1/10	2	250	O	1	>1	2	FA1	L1001	81	M R	1/10
49-02		Weight Qualifier N - Actual Net Weight	M	ID	1/1	2	250	O	1	>1	2	FA1	L1002	187	M ID	1/2
49-03		Weight Unit Code L - Pounds	M	ID	1/1	2	250	O	1	>1	2	FA1	L1003	188	O ID	1/1
50		HL SEGMENT - Accessorial Service Description Loop LOOP CONDITION: Use this loop when Accessorial Service applies Begins Accessorial Service Level loop. This loop calls for an HL, L0, and L1 segments. This loop occurs once for each accessorial service that applies to the shipment.	C			2	010	M	1	>1	1	HL				
50-01		Hierarchical ID Number A sequential number assigned by the shipper's application system.	M	AN	1/12	2	010	M	1	>1	1	HL	HL01	628	M AN	1/12
50-03		Hierarchical Level Code SS - Services	M	ID	2/2	2	010	M	1	>1	1	HL	HL03	735	M ID	1/2
51		L0 SEGMENT - Accessorial Service	M			2	145	O	1	20	2	L0				
																See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315
51-01		Lading Line Item Number 1 - Entered to satisfy X12 syntax.	M	N0	1/1	2	145	O	1	20	2	L0	L001	213	O N0	1/3
52		L1 SEGMENT - Accessorial Service Charge SEGMENT CONDITION: Use when Accessorial Service Charge applies.	C			2	150	O	20	20	2	L0				
																See X12 Standards for explanation of syntax notes. P0203R040506P1415P1718
52-04		Service Charge The charge for an accessorial service. Use up to 9-digits with an implied decimal at the second position.	M	N2	2/12	2	150	O	20	20	2	L0	L104	58	C N2	1/12
52-08		Service Code See Section 6 for list of data values.	M	ID	3/3	2	150	O	20	20	2	L0	L108	150	O ID	3/3
53		L1 SEGMENT - Shipping Cost SEGMENT CONDITION: Use when Shipping Cost applies to accessorial services.	C			2	150	O	20	20	2	L0				
																See X12 Standards for explanation of syntax notes. P0203R040506P1415P1718
53-04		Shipping Cost	M	N2	2/12	2	150	O	20	20	2	L0	L104	58	C N2	1/12

DoD INFORMATION					X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
54		N1 SEGMENT - Destination LOOP CONDITION: Required to accommodate the MRM 15 direction to use PowerTrack for small package/express shipments either this destination identifier loop or the one in Table 1 must appear.	C		2	290	O	1	4	2	N1			See X12 Standards for explanation of syntax notes. R0203P0304	
54-01		Ship To Qualifier ST - Ship To	M	ID 2/2	2	290	O	1	4	2	N1	N101	98	M	ID 2/3
54-02		Destination Name Name of party responsible for receiving delivery of the shipment.	M	AN 1/60	2	290	O	1	4	2	N1	N102	93	C	AN 1/60
54-03		DoDAAC/CAGE Qualifier 10 - Department of Defense Activity Address Code (DODAAC) 33 - Commercial and Government Entity (CAGE)	C	ID 2/2	2	290	O	1	4	2	N1	N103	66	C	ID 1/2
54-04		Destination DoDAAC or CAGE	C	AN 2/80	2	290	O	1	4	2	N1	N104	67	C	AN 2/80
55		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.	C		2	300	O	2	4	2	N1				
55-01		Destination Name	M	AN 1/60	2	300	O	2	4	2	N1	N201	93	M	AN 1/60
56		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.	C		2	310	O	2	4	2	N1				
56-01		Destination Address Information	M	AN 1/55	2	310	O	2	4	2	N1	N301	166	M	AN 1/55
56-02		Destination Address Information	C	AN 1/55	2	310	O	2	4	2	N1	N302	166	O	AN 1/55
57		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.	C		2	320	O	1	4	2	N1			See X12 Standards for explanation of syntax notes. C0605	
57-01		Destination City Name	M	AN 2/30	2	320	O	1	4	2	N1	N401	19	O	AN 2/30

DEPARTMENT OF DEFENSE
TRANSPORTATION EDI CONVENTION

EXPRESS PACKAGE BILL OF LADING
858.D.004010

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
57-02		Destination State/Province Code ELEMENT CONDITION: Required when applicable, since this information is not always available for international shipments. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C ID 2/2	2	320	O	1	4	2	N1	N402	156	O	ID 2/2
57-03		Destination ZIP/Postal Code ELEMENT CONDITION: Required when applicable, since this information is not always available for international shipments. SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C ID 5/9	2	320	O	1	4	2	N1	N403	116	O	ID 3/15
57-04		Destination Country Code ELEMENT CONDITION: When the shipment moves from CONUS-to-CONUS or OCONUS-to-OCONUS, use the two- or three-character abbreviation code for the country where delivery will occur. SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute	C ID 2/3	2	320	O	1	4	2	N1	N404	26	O	ID 2/3
58		L3 SEGMENT - Total Charge for Shipment	M	3	010	O	1							
														See X12 Standards for explanation of syntax notes. P0102P0304P0910C1201P1415
58-05		Total Charge for Shipment Calculated charge for entire shipment including linehaul and accessorial services.	M N2 2/12	3	010	O	1				L305	58	O	N2 1/12
59		SE SEGMENT - Express Package Trailer	M	3	020	M	1							
59-01		Number of Included Segments Total segments in this transaction set including the ST and SE segments.	M N0 1/10	3	020	M	1				SE01	96	M	N0 1/10
59-02		Transaction Set Control Number This data element ends the transaction set and should match the number that appears in the ST02 that begins the transaction set.	M AN 4/9	3	020	M	1				SE02	329	M	AN 4/9

Section 5.0

IC ELEMENTS IN EDI FORMAT

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

Example - DLA Ten Pound Package

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

Section 6.0

APPLICATION CODE LISTS

[6-01] - Carrier Data Qualifier

EMERY WORLDWIDE

N901 Value	DoD Definition	N902 Carrier Data	Attributes
AW <i>X12 Definition: Air Waybill Number</i>	Tracking Number Qualifier <i>Air Waybill Number</i>	Tracking Number (EWW shipment number)	10/AN
BA <i>X12 Definition: Retirement Plan Policy Number</i>	Bill To Account Number Qualifier <i>Retirement Plan Policy Number</i>	To Account Number	9/N
DV <i>X12 Definition: Diversion Authority Number</i>	Declared Value Qualifier <i>Diversion Authority Number</i>	Declared Value	10/AN
ED <i>X12 Definition: Export Declaration</i>	TAC Code Qualifier <i>Export Declaration</i>	TAC Code	9/N
HT <i>X12 Definition: Code of Federal Regulations</i>	Height Qualifier <i>Code of Federal Regulations</i>	Height	1-5.2/N (explicit decimal point with two decimal positions)
L1 <i>X12 Definition: Letters or Notes</i>	Product Qualifier <i>Letters or Notes</i>	Product ("M" for miscellaneous freight)	4/AN
LN <i>X12 Definition: Non Pickup Limited Tariff Number</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: Price Quote Number</i>	Pickup record number qualifier <i>Price Quote Number</i>	Pickup record number	1/A
SV <i>X12 Definition: Service Charge Number</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: Transportation Control Number (TCN)</i>	TCN Number Qualifier <i>Transportation Control Number (TCN)</i>	TCN	12/AN
WD <i>X12 Definition: Review Period Number</i>	Width Qualifier <i>Review Period Number</i>	Width	2/AN
ZZ <i>X12 Definition: Mutually Defined</i>	Shipper's Reference Number Qualifier <i>Mutually Defined</i>	Pickup Number Qualifier	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	30/AN

[30-01] - Breakdown Structure Detail Code

Code Value	DoD Definition
84	Total Direct Costs
A1	Department Indicator
A2	Transfer from Department
A3	Fiscal Year Indicator
A4	Basic Symbol Number
A5	Sub-Class
A6	Sub-Account Symbol
AT	Air Force Transportation Account Code (ATAC)
B1	Budget Activity Number
B2	Budget Sub-Activity Number
B3	Budget Program Activity
C1	Program Element
C2	Project Task or Budget Subline
D1	Defense Agency Allocation Recipient
D4	Component Sub-allocation Recipient
D6	Sub-Allotment Recipient
D7	Work Center Recipient
E1	Major Reimbursement Source Code
E2	Detail Reimbursement Source Code
E3	Customer Indicator
F1	Object Class
F3	Government or Public Sector Identifier
G2	Special Interest Code or Special Program Cost Code
I1	Abbreviated Department of Defense (DoD) Budget and Accounting Classification
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

[48-01] - Breakdown Structure Detail Code

Code Value	DoD Definition
84	Total Direct Costs
A1	Department Indicator
A2	Transfer from Department
A3	Fiscal Year Indicator
A4	Basic Symbol Number
A5	Sub-Class
A6	Sub-Account Symbol
AT	Air Force Transportation Account Code (ATAC)
B1	Budget Activity Number
B2	Budget Sub-Activity Number
B3	Budget Program Activity
C1	Program Element
C2	Project Task or Budget Subline
D1	Defense Agency Allocation Recipient
D4	Component Sub-allocation Recipient
D6	Sub-Allotment Recipient
D7	Work Center Recipient
E1	Major Reimbursement Source Code
E2	Detail Reimbursement Source Code
E3	Customer Indicator
F1	Object Class
F3	Government or Public Sector Identifier
G2	Special Interest Code or Special Program Cost Code
I1	Abbreviated Department of Defense (DoD) Budget and Accounting Classification
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

[52-08] - Service Code

EMERY WORLDWIDE

L108 Value	DoD Definition	N902 Carrier Data	Attributes
080	Air Transportation Charge	Base Freight Charge	10/N2
510	Offshore Alaska/Hawaii	Alaska/Hawaii Surcharge	10/N2
<i>X12 Definition:</i>	<i>Offshore - Alaska/Hawaii</i>		
535	Pickup Out of Area	Out of Pickup Area Surcharge	10/N2
<i>X12 Definition:</i>	<i>Pickup - Out of Area</i>		
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	Fee for Collection COD	COD Surcharge	10/N2
<i>X12 Definition:</i>	<i>Fee for Collecting COD Charge</i>		
CTG	Cartage Charge	Dimensional Freight Charge	
FUE	Fuel Surcharge	Fuel Surcharge Amount	10/N2
<i>X12 Definition:</i>	<i>Fuel Charge</i>		
HAZ	Hazardous Materials	Accessible Dangerous Goods Surcharge	10/N2
<i>X12 Definition:</i>	<i>Hazardous Cargo Charge</i>		
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	Delivery Out of Area	Out of Delivery Area Surcharge	10/N2
<i>X12 Definition:</i>	<i>Out of Zone Pick-up or Delivery</i>		
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	Excess Value Charge
<i>X12 Definition:</i>	<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

WORLDWIDE 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	Residential Pickup	
SAT	Saturday Pickup or Delivery Charge	Saturday Pick-up or Delivery Charge

* Migration Code