



KBX Logistics, LLC
Electronic Data Interchange

ASC X12 4010 EDI Implementation Guidelines
310 Freight Receipt and Invoice

October 5, 2020

KBX Logistics, LLC Electronic Data Interchange
 Transportation EDI Implementation Guidelines
 ASC X12 4010 310: Freight Receipt and Invoice (Ocean)

Change Summary

Date	Action	Segment	Segment Description	Element	Description of Change
03/27/2018	Updated	N9	Reference	N9-01	Added N9 qualifiers to represent account# (11), Client# (23), and Division# (19)
03/20/2020	Updated	N9	Reference	N9-01	Qualifier 8X
03/20/2020	Updated	N9	Reference	N9-02	Full Container Load (FCL), Less than Container Load (LCL)
03/20/2020	Updated	N9	Reference	N9-01	Added qualifier BN Booking Number
03/20/2020	Updated	B3	Shipment ID	B3-03	Booking Number is required unless otherwise noted
03/20/2020	Updated	C3	Currency	C3-01	Updated to Mandatory
03/25/2020	Updated	B3	Pickup Date	B3-12	Updated to Mandatory
10/5/2020	Updated	L1	Charges	L1-04	Updated to Mandatory
10/5/2020	Updated	L1	Special Charge or Allowance Code	L1-08	Updated to Mandatory

Electronic Commerce Help Desk – Contact List

<u>Name</u>	<u>Group/Support Area</u>	<u>Phone</u>	<u>Email</u>
EC Help Desk	Electronic Commerce Help Desk	(920) 438-2100	GRPEDIHelpdesk@gapac.com

This document identifies all data elements KBX Logistics, LLC would like our transportation vendors to provide when sending electronic freight invoices (310's). The Georgia-Pacific EDI team handles KBX Logistics' EDI transactions, so you will see Georgia-Pacific referenced below which indicates both KBX Logistics and Georgia-Pacific requirements. Please contact EC Help Desk if you have any questions.

Please notify the EC Help Desk if you do not wish to receive 997's for 310 Transactions

Transaction Example:

ST*310*000005483~
B3*B*802222609*802222609*PP**20180420*548700**20180529*139*SCAC*20180420*PP~
B2A*00*BL~
Y6*CA*GEORGIA PACIFIC*20180420~
N9*BM*802222609*BILL OF LADING NBR*20180405~
N9*CT*EX11-47841*CONTRACT NBR~
N9*BN*802222609*ORIGINAL BKG NBR*20180314~
N9*CG*254531*CONSIGNEE REF NBR~
N9*SI*34546 CMP/19086/USA*SHIPPER REF NBR~
N9*FM*000230*FORWARDER FMC NUMBER~
N9*8X*FCL*FULL CONTAINERLOAD
V1*9780859*CC A. LINCOLN*GB*295*APLU***L~
C3*USD~
N1*CN*TO ORDER~
N3*TO ORDER~
N1*FW*KARR, ELLIS, & CO., INC.*3*000230~
N3*KARR, ELLIS, & CO., INC.*1975 LINDEN BLVD., SUITE 205~
N3*ELMONT NEW YORK 11003 UNITED STATES~
N1*N1*SRIPATHI PAPER AND BOARDS PVT. LTD~
N2*SUKKARVARPATTI, ANAIKUTTAM~
N3*SRIPATHI PAPER AND BOARDS PVT. LTD*SUKKARVARPATTI, ANAIKUTTAM~
N3*SIVAKASI - 626 130 (INDIA).*IEC# 3502004307~
N1*SH*GP HARMON RECYCLING LLC~
N3*GP HARMON RECYCLING LLC*2 JERICHO PLAZA~
N3*JERICHO, NY 11753~
R4*R*D*3901*CHICAGO, IL*US*CHICAGO GLOBAL GATEWAY**IL~
DTM*370*20180329~
R4*J*D*2704*SAN PEDRO, CA,*US***CA~
DTM*370*20180418*1800*LT~
R4*K*K*53395*TUTICORIN, INDIA*IN***TN~
DTM*369*20180529*1200*LT~
R4*E*K*53395*TUTICORIN, INDIA*IN***TN~
DTM*369*20180529~
R4*W*D*3307*NASHVILLE*US***TN~
R4*F*D*2811*OAKLAND*US***CA~
R4*V*D*2811*OAKLAND*US***CA~
R4*2*K*53395*TUTICORIN*IN***TN~
LX*1~
N7*CMAU*5999187*19468*G*3859***47.573*X*N*CN*APLU***0040*A*K*7*HH***4500~
QTY*39*35*BA~
M7*70683010*N/A~
N7*TCNU*2837178*20267*G*3899***47.573*X*N*CN*APLU***0040*A*K*8*HH***4500~
QTY*39*36*BA~
M7*70683008*N/A~
N7*TGBU*5060902*21092*G*3899***47.573*X*N*CN*APLU***0040*A*K*2*HH***4500~
QTY*39*37*BA~

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M7*70683005*N/A~
L0*1***60827*G*142.719*X*108*BAL**K*HH~

L5*1*WASTE PAPER BOX BOARD CUTTINGS~
L5*1* (CONT FROM NOTIFY PARTY)~
L5*1*TEL +91-422-231-0415 EMAIL:~
L5*1*IMPORT@SRIPATHI.NET~
L5*1*FREIGHT PREPAID~
L5*1*ALL DESTINATION CHARGES, INCLUDING~
L5*1*CONTAINER IMBALANCE FEE'S,~
L5*1*ON-CARRIAGE FEES, DTHC (CONTAINER~
L5*1*SERVICE CHARGE) AND SERVICE TAXES~
L5*1*ARE COLLECT / PAYABLE AT~
L5*1*DESTINATION~
L5*1* FREIGHT PREPAID~
L5*1*14 DAYS FREE TIME AT DESTINATION~
L3*60827*G***548700**548700**142.719*X*108*K~
L1*1*1775*PA*532500**532500**COF***P*OCF RATE TOTALS*****3*NR~
C3*USD~
L1*4*29*PA*8700**8700**999***P*LSF RATE TOTALS*****3*NR~
C3*USD~
L1*6*75*PU*7500**7500**DOC***P*DOC RATE TOTALS*****1*EA~
C3*USD~
K1* UNITED ST~
K1*X20180404251035~
SE*69*000005483~

310 Freight Receipt and Invoice (Ocean)

Functional Group ID=**IO**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Freight Receipt and Invoice (Ocean) Transaction Set (310) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide ocean bill of lading information. It is sent by ocean carriers to interested parties and can be used as the receipt for the shipment; to substitute for a paper bill of lading where the parties have agreed that a paper bill of lading is not necessary; to allow shipper or forwarder to verify bill of lading information before an original is printed and released; for information purposes, i.e., as a bill of lading copy; by the carrier to convey manifest information to a terminal operator; and as an invoice for freight.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	B3	Beginning Segment for Carrier's Invoice	M	1		
	030	B2A	Set Purpose	O	1		
	040	Y6	Authentication	O	2		
	050	G3	Compensation Information	O	1		
	060	N9	Reference Identification	O	15		
M	070	V1	Vessel Identification	M	2		
	080	M0	Letter of Credit Reference	O	1		
	090	M1	Insurance	O	5		
	100	C2	Bank ID	O	1		
	110	C3	Currency	M	1		
	120	Y2	Container Details	O	10		
						LOOP ID - N1	10
M	130	N1	Name	M	1		
	140	N2	Additional Name Information	O	1		
	150	N3	Address Information	O	2		
	160	N4	Geographic Location	O	1		
	170	G61	Contact	O	3		
						LOOP ID - R4	20
M	180	R4	Port or Terminal	M	1		
	190	DTM	Date/Time Reference	O	15		
	199	R2A	Route Information with Preference	O	25		
	200	R2	Route Information	O	13		
	210	K1	Remarks	O	12		
	220	H3	Special Handling Instructions	O	6		
	230	L5	Description, Marks and Numbers	O	1		
						LOOP ID - C8	20
	240	C8	Certifications and Clauses	O	1		

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250 C8C Certifications Clauses Continuation 0 5

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>
			LOOPID - LX			999	
M	010	LX	Assigned Number	M	1		
			LOOPID - N7			999	
	020	N7	Equipment Details	O	1		
	025	QTY	Quantity	O	1		
	030	V4	Cargo Location Reference	O	1		
	040	N12	Equipment Environment	O	1		
	050	M7	Seal Numbers	O	5		
	060	W09	Equipment and Temperature	O	1		
			LOOPID - L1			20	
	070	L1	Rate and Charges	O	1		
	080	C3	Currency	M	1		
	090	L7	Tariff Reference	O	1		
	100	X1	Export License	O	1		
	110	X2	Import License	O	1		
	120	N9	Reference Identification	M	3		
			LOOPID - H1			10	
	130	H1	Hazardous Material	O	1		
	140	H2	Additional Hazardous Material Description	O	10		
			LOOPID - L0			120	
	150	L0	Line Item - Quantity and Weight	O	1		
	160	L5	Description, Marks and Numbers	O	999		
			LOOPID - L1			20	
	170	L1	Rate and Charges	O	1		
	180	C3	Currency	M	1		
	190	L7	Tariff Reference	O	1		
	200	X1	Export License	O	1		
	210	X2	Import License	O	1		
			LOOPID - C8			20	
	220	C8	Certifications and Clauses	O	1		
	221	C8C	Certifications Clauses Continuation	O	5		
			LOOPID - H1			10	
	230	H1	Hazardous Material	O	1		
	240	H2	Additional Hazardous Material Description	O	10		

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>
M	010	L3	Total Weight and Charges	M	1		
	020	PWK	Paperwork	O	25		

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		LOOPID - L1		20
	030	L1	Rate and Charges	O 1
	040	C3	Currency	M 1
	050	V9	Event Detail	O 10
	055	C8	Certifications and Clauses	O 20
	060	K1	Remarks	O 999
	070	L11	Business Instructions and Reference Number	O 1
M	080	SE	Transaction Set Trailer	M 1

ISA Interchange Control Header

Pos:	Max: 1
	- Mandatory
Loop: N/A	Elements: 16

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
ISA01	I01	Authorization Information Qualifier Description: Code to identify the type of information in the Authorization Information All valid standard codes are used.	M	ID	2/2	Must use				
ISA02	I02	Authorization Information Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)	M	AN	10/10	Must use				
ISA03	I03	Security Information Qualifier Description: Code to identify the type of information in the Security Information All valid standard codes are used.	M	ID	2/2	Must use				
ISA04	I04	Security Information Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)	M	AN	10/10	Must use				
ISA05	I05	Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified All valid standard codes are used.	M	ID	2/2	Must use				
ISA06	I06	Interchange Sender ID Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element	M	AN	15/15	Must use				
ISA07	I05	Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <table border="0" style="margin-left: 40px;"> <tr> <td>Code</td> <td>Name</td> </tr> <tr> <td>ZZ</td> <td>Mutually Defined</td> </tr> </table>	Code	Name	ZZ	Mutually Defined	M	ID	2/2	Must use
Code	Name									
ZZ	Mutually Defined									
ISA08	I07	Interchange Receiver ID Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them	M	AN	15/15	Must use				

User Note 1: *The Receiver ID for Georgia-Pacific is GPTSPP.
For Testing Purposes use Receiver ID of GPTSPT.*

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<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>						
ISA09	I08	Interchange Date Description: Date of the interchange	M	DT	6/6	Must use						
ISA10	I09	Interchange Time Description: Time of the interchange	M	TM	4/4	Must use						
ISA11	I10	Interchange Control Standards Identifier Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer All valid standard codes are used.	M	ID	1/1	Must use						
ISA12	I11	Interchange Control Version Number Description: This version number covers the interchange control segments All valid standard codes are used.	M	ID	5/5	Must use						
ISA13	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9	Must use						
ISA14	I13	Acknowledgment Requested Description: Code sent by the sender to request an interchange acknowledgment (TA1) All valid standard codes are used.	M	ID	1/1	Must use						
ISA15	I14	Usage Indicator Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information	M	ID	1/1	Must use						
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>P</td> <td>Production Data</td> </tr> <tr> <td>T</td> <td>Test Data</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	P	Production Data	T	Test Data				
<u>Code</u>	<u>Name</u>											
P	Production Data											
T	Test Data											
ISA16	I15	Component Element Separator Description: 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	M		1/1	Must use						

GS Functional Group Header

Pos:	Max: 1
- Mandatory	
Loop: N/A	Elements: 8

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	Functional Identifier Code Description: Code identifying a group of application related transaction sets	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u> IO Freight Receipt and Invoice (Ocean)				
GS02	142	Application Sender's Code Description: Code identifying party sending transmission; codes agreed to by trading partners	M	AN	2/15	Must use
GS03	124	Application Receiver's Code Description: Code identifying party receiving transmission. Codes agreed to by trading partners	M	AN	2/15	Must use
		User Note 1: <i>The Application Receiver's ID for Georgia-Pacific is GPTSPP. For Testing Purposes use Receiver ID of GPTSPT.</i>				
GS04	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8	Must use
GS05	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	M	TM	4/8	Must use
GS06	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	N0	1/9	Must use
GS07	455	Responsible Agency Code Description: Code used in conjunction with Data Element 480 to identify the issuer of the standard	M	ID	1/2	Must use
		<u>Code</u> <u>Name</u> X Accredited Standards Committee X12				
GS08	480	Version / Release / Industry Identifier Code Description: 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 user); if code in DE455 in GS segment is T, then other formats are allowed	M	AN	1/12	Must use
		<u>Code</u> <u>Name</u>				

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<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
	4010	Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997				

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

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

Comments:

Business Rules: Variable Name: STST

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 3/3
M	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

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Segment: **B3** Beginning Segment for Carrier's Invoice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To transmit basic data relating to the carrier's invoice
Syntax Notes: 1 If either B309 or B310 is present, then the other is required.
Semantic Notes: 1 B306 is the billing date.
 2 On collect freight bills the data in B309 will be the actual delivery date. For the shipments invoiced prior to delivery, the B309 will be the estimated date of delivery.
 3 If B314 is used, B304 will indicate the party or parties responsible for payment of the transportation terms identified in B314.
 4 B303 is booking number unless otherwise specified by your EDI Coordinator
 5 B312 is actual pickup date

Comments:

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
B301	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.		
M	B302	76 Invoice Number		M AN 1/22
		Identifying number assigned by issuer		
	B303	145 Shipment Identification Number		M 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)		
M	B304	146 Shipment Method of Payment		M ID 2/2
		Code identifying payment terms for transportation charges Refer to 004010 Data Element Dictionary for acceptable code values.		
	B305	188 Weight Unit Code		O ID 1/1
		Code specifying the weight unit Refer to 004010 Data Element Dictionary for acceptable code values.		
M	B306	373 Date		M DT 8/8
		Date expressed as CCYYMMDD		
M	B307	193 Net Amount Due		M N2 1/12
		Total charges to be paid by the receiver of this transaction set expressed in the standard monetary denomination for the currency specified		
	B308	202 Correction Indicator		O ID 2/2
		Code used to indicate that the transaction set contains information which corrects previous information Refer to 004010 Data Element Dictionary for acceptable code values.		
	B309	32 Delivery Date		X DT 8/8
		Date for delivery of cargo to final consignee or to next mode expressed in format CCYYMMDD		
	B310	374 Date/Time Qualifier		X ID 3/3
		Code specifying type of date or time, or both date and time		

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Refer to 004010 Data Element Dictionary for acceptable code values.

M	B311	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	M ID 2/4
	B312	373	Date Date expressed as CCYYMMDD	M DT 8/8
	B313	375	Tariff Service Code Code specifying the types of services for rating purposes Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
	B314	335	Transportation Terms Code Code identifying the trade terms which apply to the shipment transportation responsibility Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 3/3

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Segment: **B2A** Set Purpose
Position: 030
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To allow for positive identification of transaction set purpose
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	B2A01	353	Transaction Set Purpose Code Code identifying purpose of transaction set Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
	B2A02	346	Application Type Code identifying an application Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2

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Segment: **Y6 Authentication**
Position: 040
Loop:
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the authority for authorizing an action and the date authentication is made
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
		313	Authority Identifier Code Code indicating authority for authentication Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
M	Y602	151	Authority Name or code of authority for authorizing action or reservation	M AN 1/20
M	Y603	275	Authorization Date Date authentication is made expressed in format CCYYMMDD	M DT 8/8

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Segment: **G3 Compensation Information**
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To convey brokerage, freight forwarder compensation, and other compensation information related to shipments

Syntax Notes:
Semantic Notes:
Comments: 1 G305 is the amount on which compensation is based.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
G301	315	Compensation Paid Commission paid to broker for services rendered	O R 2/5
M	G302	Total Compensation Amount Amount calculated from brokerage amount	M N0 3/10
G303	93	Name Free-form name	O AN 1/60
G304	201	Business Transaction Status Code indicating the status of an ocean business transaction as it relates to the processing of ocean bills of lading Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/3
G305	782	Monetary Amount Monetary amount	O R 1/18
G306	73	Compensation Qualifier Code indicating type of compensation Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1

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Segment: **N9 Reference Identification**
Position: 060
Loop:
Level: Heading
Usage: Mandatory (codes 8X and BN)
Max Use: 15
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:

Data Element Summary

Ref.	Data Element	Name	Attributes
M	N901	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
		<u>Code</u> <u>Name</u>	
		11 Account Number (mandatory if specifically stated by EDI coordinator)	
		23 Client Number (mandatory if specifically stated by EDI coordinator)	
		19 Division Identifier (mandatory if specifically stated by EDI coordinator)	
		8X Full ContainerLoad (FCL) Less than ContainerLoad (LCL)	
		BN Booking Number	
	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	
	N903	369 Free-form Description	X AN 1/45
		Free-form descriptive text	
	N904	373 Date	O DT 8/8
		Date expressed as CCYYMMDD	
	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)	
	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.	

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ASC X12 4010 310: Freight Receipt and Invoice (Ocean)

	N907	C040	Reference Identifier	O
M	C04001	128	To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/3
M	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
	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/3
	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
	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/3
	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

KBX Logistics, LLC Electronic Data Interchange
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 ASCX12 4010 310: Freight Receipt and Invoice (Ocean)

Segment: **V1** Vessel Identification
Position: 070
Loop:
Level: Heading
Usage: Mandatory
Max Use: 2
Purpose: To provide vessel details and voyage number
Syntax Notes: 1 At least one of V101 or V102 is required.
 2 If V108 is present, then V101 is required.
Semantic Notes: 1 V103 is the code identifying the country in which the ship (vessel) is registered.
 2 V105 identifies the ocean carrier.
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
V101	597	Vessel Code Code identifying vessel	X ID 1/8
V102	182	Vessel Name Name of ship as documented in "Lloyd's Register of Ships"	X AN 2/28
V103	26	Country Code Code identifying the country	O ID 2/3
V104	55	Flight/Voyage Number Identifying designator for the particular flight or voyage on which the cargo travels	O AN 2/10
V105	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	O ID 2/4
V106	249	Vessel Requirement Code Code specifying options for satisfying vessel requirements Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
V107	854	Vessel Type Code Code to determine type of vessel Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
V108	897	Vessel Code Qualifier Code specifying vessel code source Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
V109	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/2

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Segment: **M0** Letter of Credit Reference
Position: 080
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit letter of credit details
Syntax Notes:
Semantic Notes:

- 1 M002 is the date on which a letter of credit was issued.
- 2 M003 is the date on which the letter of credit expires.
- 3 M004 is the date on which cargo was physically placed onboard said ship voyage.

Comments:

Data Element Summary

M	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
	M001	250	Letter of Credit Number Identifying reference number for a letter of credit	M AN 2/40
	M002	373	Date Date expressed as CCYYMMDD	O DT 8/8
	M003	373	Date Date expressed as CCYYMMDD	O DT 8/8
	M004	373	Date Date expressed as CCYYMMDD	O DT 8/8

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Segment: **M1 Insurance**
Position: 090
Loop:
Level: Heading
Usage: Optional
Max Use: 5
Purpose: To specify details related to insurance
Syntax Notes: 1 If either M107 or M108 is present, then the other is required.
 2 If either M109 or M110 is present, then the other is required.
 3 If either M111 or M112 is present, then the other is required.
Semantic Notes: 1 M101 is the code identifying the country in whose currency the insurance is specified.
 2 M105 (organization identifier) is the code for the beneficiary of the insurance policy.
 3 M106 is free-form information used to describe the type of insurance coverage.
Comments: 1 M107 through M112 may be used to specify the values to be used in insurance formulas. For example: M107 and M108 may specify the basis of application and the premium rate (\$0.25 per hundred), M109 and M110 may specify the value at which insurance is to be obtained (insure at 110% of bill of lading value), and M111 and M112 may specify the premium rate (rate of .015 per dollar).

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	M101	26	Country Code Code identifying the country	M ID 2/3
	M102	14	Carriage Value Carriage value expressed in whole units of the standard monetary denomination for the currency specified	O N0 2/8
	M103	74	Declared Value Monetary assigned value expressed in the standard monetary denomination for the currency specified	O N2 2/12
	M104	122	Rate/Value Qualifier Code qualifying how to extend charges or interpret value Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
	M105	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/3
	M106	61	Free-Form Message Free-form information	O AN 1/30
	M107	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
	M108	782	Monetary Amount Monetary amount	X R 1/18
	M109	1004	Percent Qualifier Code to qualify percent Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
	M110	954	Percent Percentage expressed as a decimal	X R 1/10

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M111	1004	Percent Qualifier	X	ID 1/2
		Code to qualify percent		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
M112	954	Percent	X	R 1/10
		Percentage expressed as a decimal		

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 Transportation EDI Implementation Guidelines
 ASCX12 4010 310: Freight Receipt and Invoice (Ocean)

Segment: **C2 Bank ID**
Position: 100
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify data required for electronic payment
Syntax Notes:
Semantic Notes:
Comments: 1 C207 is the effective payment date.

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
M	C201	8	Bank Client Code Code identifying payee or payer Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 1/1
M	C202	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 1/2
M	C203	67	Identification Code Code identifying a party or other code	M AN 2/80
	C204	20	Client Bank Number Federal Reserve Routing Code	O AN 3/9
	C205	7	Bank Account Number ID number assigned by bank to its client	O AN 6/17
	C206	107	Payment Method Code Code identifying type of payment procedures Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/2
	C207	373	Date Date expressed as CCYYMMDD	O DT 8/8

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Segment: **C3** Currency
Position: 110
Loop:
Level: Heading
Usage: Mandatory
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.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	C301	100	Currency Code	M ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified	
	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	
	C303	100	Currency Code	O ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified	
	C304	100	Currency Code	O ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified	

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Segment: **Y2** Container Details
Position: 120
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify container information and transportation service to be used
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
M	Y201	95	Number of Containers Number of shipping containers	M N0 1/4
	Y202	78	Container Type Request Code Code indicating type of container equipment requested Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
	Y203	56	Type of Service Code Code specifying extent of transportation service requested Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
M	Y204	24	Equipment Type Code identifying equipment type	M ID 4/4
	Y205	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/2
	Y206	177	Intermodal Service Code Code identifying the Intermodal Service Plan	O ID 1/2
	Y207	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	O ID 2/4
	Y208	464	Container Terms Code Code indicating origin and destination of transportation and type of container	O ID 3/3
	Y209	465	Container Terms Code Qualifier Code indicating container terms reference Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
	Y210	466	Total Stop-offs Total number of stop-offs specified for a shipment	O N0 1/2

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Segment: **N1** Name
Position: 130
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
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.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values.	
	N102	93 Name	X AN 1/60
		Free-form name	
	N103	66 Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67) Refer to 004010 Data Element Dictionary for acceptable code values.	
	N104	67 Identification Code	X AN 2/80
		Code identifying a party or other code	
	N105	706 Entity Relationship Code	O ID 2/2
		Code describing entity relationship Refer to 004010 Data Element Dictionary for acceptable code values.	
	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.	

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Segment: **N2** Additional Name Information
Position: 140
Loop: N1 Mandatory
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

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Segment: **N3** Address Information
Position: 150
Loop: N1 Mandatory
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data		
	Des.	Element	Name	Attributes
M	N301	166	Address Information Address information	M AN 1/55
	N302	166	Address Information Address information	O AN 1/55

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Segment: **N4** Geographic Location
Position: 160
Loop: N1 Mandatory
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.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
N401	19	City Name Free-form text for city name	O AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15
N404	26	Country Code Code identifying the country	O ID 2/3
N405	309	Location Qualifier Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
N406	310	Location Identifier Code which identifies a specific location	O AN 1/30

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Segment: **G61** Contact
Position: 170
Loop:
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom communications should be directed
Syntax Notes: 1 If either G6103 or G6104 is present, then the other is required.
Semantic Notes:
Comments: 1 G6103 qualifies G6104.

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
M	G6101	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
M	G6102	93	Name Free-form name	M AN 1/60
	G6103	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
	G6104	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
	G6105	443	Contact Inquiry Reference Additional reference number or description to clarify a contact number	O AN 1/20

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Segment: **R4** Port or Terminal
Position: 180
Loop: R4 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: Contractual or operational port or point relevant to the movement of the cargo
Syntax Notes: 1 If either R402 or R403 is present, then the other is required.
Semantic Notes:
Comments: 1 R4 is required for each port to be identified.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	R401	115	Port or Terminal Function Code Code defining function performed at the port or terminal with respect to a shipment Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 1/1
	R402	309	Location Qualifier Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
	R403	310	Location Identifier Code which identifies a specific location	X AN 1/30
	R404	114	Port Name Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property	O AN 2/24
	R405	26	Country Code Code identifying the country	O ID 2/3
	R406	174	Terminal Name Free-form field for terminal name	O AN 2/30
	R407	113	Pier Number Identifying number for the pier	O AN 1/4
	R408	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2

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Segment: **DTM** Date/Time Reference
Position: 190
Loop: R4 Mandatory
Level: Heading
Usage: Optional
Max Use: 15
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.	
	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
	DTM03	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)	
	DTM04	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.	
	DTM05	1250	Date Time Period Format Qualifier	X ID 2/3
			Code indicating the date format, time format, or date and time format Refer to 004010 Data Element Dictionary for acceptable code values.	
	DTM06	1251	Date Time Period	X AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times	

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Segment: **R2A** Route Information with Preference
Position: 199
Loop:
Level: Heading
Usage: Optional
Max Use: 25
Purpose: To specify the responsibilities and carrier preference
Syntax Notes: 1 If R2A05 is present, then R2A06 is required.
Semantic Notes: 1 R2A05 and R2A06 identify the origin point.
 2 R2A10 identifies the party to receive the invoice for the route segment.
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	R2A01	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 1/2
M	R2A02	1431	Preference Code specifying sender's preference Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 1/1
	R2A03	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/2
	R2A04	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	O ID 2/4
	R2A05	309	Location Qualifier Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/2
	R2A06	310	Location Identifier Code which identifies a specific location	X AN 1/30
	R2A07	56	Type of Service Code Code specifying extent of transportation service requested Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
	R2A08	1	Route Code Mutually defined route code	O AN 1/13
	R2A09	742	Route Description Point to point routing description	O AN 1/35
	R2A10	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/3

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Segment: **R2** Route Information
Position: 200
Loop:
Level: Heading
Usage: Optional
Max Use: 13
Purpose: To specify carrier and routing sequences and details
Syntax Notes: 1 If R208 is present, then R207 is required.
Semantic Notes: 1 R203 is the station or city name at which carriers interchange shipments.
 2 R210 is the billing date.
Comments:

Data Element Summary

Ref.	Data Element	Name	Attributes
M	R201	140 Standard Carrier Alpha Code Standard Carrier Alpha Code	M ID 2/4
M	R202	133 Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 1/2
	R203	19 City Name Free-form text for city name	O AN 2/30
	R204	154 Standard Point Location Code Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	O ID 6/9
	R205	177 Intermodal Service Code Code identifying the Intermodal Service Plan	O ID 1/2
	R206	91 Transportation Method/Type Code Code specifying the method or type of transportation for the shipment Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/2
	R207	296 Intermediate Switch Carrier Code defining a road which neither originates nor terminates the shipment but provides a switching service between two roadhaul/rail carriers (SCAC code for rail switch carrier)	X ID 2/4
	R208	296 Intermediate Switch Carrier Code defining a road which neither originates nor terminates the shipment but provides a switching service between two roadhaul/rail carriers (SCAC code for rail switch carrier)	O ID 2/4
	R209	76 Invoice Number Identifying number assigned by issuer	O AN 1/22
	R210	373 Date Date expressed as CCYYMMDD	O DT 8/8
	R211	369 Free-form Description Free-form descriptive text	O AN 1/45
	R212	56 Type of Service Code Code specifying extent of transportation service requested Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
	R213	742 Route Description	O AN 1/35

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Point to point routing description

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Segment: **K1** Remarks
Position: 210
Loop:
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To transmit information in a free-form format for comment or special instruction
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	K101	61	Free-Form Message Free-form information	M AN 1/30
	K102	61	Free-Form Message Free-form information	O AN 1/30

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Segment: **H3** **Special Handling Instructions**
Position: 220
Loop:
Level: Heading
Usage: Optional
Max Use: 6
Purpose: To specify special handling instructions in coded or free-form format
Syntax Notes: 1 Only one of H301 or H302 may be present.
Semantic Notes:
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
H301	152	Special Handling Code Code specifying special transportation handling instructions Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/3
H302	153	Special Handling Description Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate	X AN 2/30
H303	241	Protective Service Code Code specifying perishable protective service- rail carriers only Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/4
H304	242	Vent Instruction Code Code specifying vent instructions Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/7
H305	257	Tariff Application Code Code indicating to which traffic a tariff applies Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1

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Segment: **L5** Description, Marks and Numbers
Position: 230
Loop:
Level: Heading
Usage: Optional
Max Use: 1
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.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
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	O AN 1/50
L503	22	Commodity Code Code describing a commodity or group of commodities	X AN 1/30
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
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
L506	87	Marks and Numbers Marks and numbers used to identify a shipment or parts of a shipment	X AN 1/48
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
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
L509	22	Commodity Code Code describing a commodity or group of commodities	X AN 1/30
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

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Segment: **C8** Certifications and Clauses
Position: 240
Loop: C8 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify applicable certifications and clauses
Syntax Notes: 1 At least one of C803 or C802 is required.
Semantic Notes:
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
C801	213	Lading Line Item Number Sequential line number for a lading item	O N0 1/3
C802	246	Certification/Clause Code Code identifying certification/clause information Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/4
C803	247	Certification/Clause Text Free-form description of commercial invoice certification/clause	X AN 2/60
C804	1302	Shipper's Export Declaration Requirements Code identifying which Shipper's Export Declaration (SED) requirements are being met	O AN 1/2

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Segment: **C8C** **Certifications Clauses Continuation**
Position: 250
Loop: C8 Optional
Level: Heading
Usage: Optional
Max Use: 5
Purpose: To specify additional applicable certifications and clauses
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	C8C01	247	Certification/Clause Text Free-form description of commercial invoice certification/clause	M AN 2/60
	C8C02	247	Certification/Clause Text Free-form description of commercial invoice certification/clause	O AN 2/60
	C8C03	247	Certification/Clause Text Free-form description of commercial invoice certification/clause	O AN 2/60

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Segment: **LX** Assigned Number
Position: 010
Loop: LX Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	LX01	554	Assigned Number	M N0 1/6
			Number assigned for differentiation within a transaction set	

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Segment: **N7 Equipment Details**
Position: 020
Loop: N7 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify the equipment
Syntax Notes: 1 If either N703 or N704 is present, then the other is required.
 2 If either N705 or N716 is present, then the other is required.
 3 If either N708 or N709 is present, then the other is required.
Semantic Notes: 1 N712 is the owner of the equipment.
 2 N723 is the operator or carrier of the rights of the equipment.
Comments: 1 N701 is mandatory for rail transactions.
 2 N720 and N721 are expressed in inches.

Data Element Summary

Ref.	Data	Element	Name	Attributes
		206	Equipment Initial	O AN 1/4
			Prefix or alphabetic part of an equipment unit's identifying number	
M	N702	207	Equipment Number	M AN 1/10
			Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	
	N703	81	Weight	X R 1/10
			Numeric value of weight	
	N704	187	Weight Qualifier	X ID 1/2
			Code defining the type of weight Refer to 004010 Data Element Dictionary for acceptable code values.	
	N705	167	Tare Weight	X N0 3/8
			Weight of the equipment	
	N706	232	Weight Allowance	O N0 2/6
			Allowance made for increased weight due to such factors as snow	
	N707	205	Dunnage	O N0 1/6
			Weight of material used to protect lading (even bracings, false floors, etc.)	
	N708	183	Volume	X R 1/8
			Value of volumetric measure	
	N709	184	Volume Unit Qualifier	X ID 1/1
			Code identifying the volume unit Refer to 004010 Data Element Dictionary for acceptable code values.	
	N710	102	Ownership Code	O ID 1/1
			Code indicating the relationship of equipment to carrier or ownership of equipment Refer to 004010 Data Element Dictionary for acceptable code values.	
	N711	40	Equipment Description Code	O ID 2/2
			Code identifying type of equipment used for shipment Refer to 004010 Data Element Dictionary for acceptable code values.	
	N712	140	Standard Carrier Alpha Code	O ID 2/4
			Standard Carrier Alpha Code	
	N713	319	Temperature Control	O AN 3/6

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		Free-form abbreviation of temperature range or flash-point temperature	
N714	219	Position	O AN 1/3
		Relative position of shipment in car, trailer, or container (mutually defined)	
N715	567	Equipment Length	O N0 4/5
		Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	
N716	571	Tare Qualifier Code	X ID 1/1
		Code identifying the type of tare	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
N717	188	Weight Unit Code	O ID 1/1
		Code specifying the weight unit	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
N718	761	Equipment Number Check Digit	O N0 1/1
		Number which designates the check digit applied to a piece of equipment	
N719	56	Type of Service Code	O ID 2/2
		Code specifying extent of transportation service requested	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
N720	65	Height	O R 1/8
		Vertical dimension of an object measured when the object is in the upright position	
N721	189	Width	O R 1/8
		Shorter measurement of the two horizontal dimensions measured with the object in the upright position	
N722	24	Equipment Type	O ID 4/4
		Code identifying equipment type	
N723	140	Standard Carrier Alpha Code	O ID 2/4
		Standard Carrier Alpha Code	
N724	301	Car Type Code	O ID 1/4
		Code specifying type of rail car or intermodal equipment type and its general characteristics	

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Segment: **QTY** Quantity
Position: 025
Loop: N7 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: 1 At least one of QTY02 or QTY04 is required.
 2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.
Comments:

Data Element Summary

Ref.	Data Element	Name	Attributes
M	QTY01	673 Quantity Qualifier Code specifying the type of quantity Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
	QTY02	380 Quantity Numeric value of quantity	X R 1/15
	QTY03	C001 Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	O
M	C00101	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
	C00102	1018 Exponent Power to which a unit is raised	O R 1/15
	C00103	649 Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
	C00104	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
	C00105	1018 Exponent Power to which a unit is raised	O R 1/15
	C00106	649 Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
	C00107	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
	C00108	1018 Exponent Power to which a unit is raised	O R 1/15
	C00109	649 Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
	C00110	355 Unit or Basis for Measurement Code	O ID 2/2

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		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		
QTY04	61	Free-Form Message	X	AN 1/30
		Free-form information		

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Segment: **V4** Cargo Location Reference
Position: 030
Loop: N7 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the cargo location on board the vessel
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	V401	877	Vessel Stowage Location Location of cargo stowed on board an ocean vessel	M AN 1/12

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Segment: **N12** **Equipment Environment**
Position: 040
Loop: N7 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To describe the operating environment of the equipment
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N1201	829	Fuel Type Code used to identify type of fuel Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 1/1
M	N1202	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	M
M	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
	C00102	1018	Exponent Power to which a unit is raised	O R 1/15
	C00103	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
	C00104	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
	C00105	1018	Exponent Power to which a unit is raised	O R 1/15
	C00106	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
	C00107	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
	C00108	1018	Exponent Power to which a unit is raised	O R 1/15
	C00109	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
	C00110	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
	C00111	1018	Exponent	O R 1/15

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C00112	649	Multiplier Power to which a unit is raised Value to be used as a multiplier to obtain a new value	O R 1/10
C00113	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
C00114	1018	Exponent Power to which a unit is raised	O R 1/15
C00115	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10

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Segment: **M7** Seal Numbers
Position: 050
Loop: N7 Optional
Level: Detail
Usage: Optional
Max Use: 5
Purpose: To record seal numbers used and the organization that applied the seals
Syntax Notes:
Semantic Notes:
Comments: 1 M705 indicates the name of the organization which applied the seal(s).

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
M	M701	225	Seal Number Unique number on seal used to close a shipment	M AN 2/15
	M702	225	Seal Number Unique number on seal used to close a shipment	O AN 2/15
	M703	225	Seal Number Unique number on seal used to close a shipment	O AN 2/15
	M704	225	Seal Number Unique number on seal used to close a shipment	O AN 2/15
	M705	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/3

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Segment: **W09** **Equipment and Temperature**
Position: 060
Loop: N7 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To relate equipment type and required temperatures
Syntax Notes: 1 If either W0902 or W0903 is present, then the other is required.
 2 If either W0904 or W0905 is present, then the other is required.
Semantic Notes: 1 W0902 is the minimum allowable temperature condition for shipment; (the qualifying temperature scale is specified in W0903).
 2 W0904 is the maximum allowable temperature condition for shipment; (the qualifying temperature scale is specified in W0905).
 3 W0906 is used to describe the environment required within an ocean-type, refrigerated container when other than normal air is required.
 4 W0908 is the humidity percentage.
 5 W0909 is the number of air exchanges per hour.
Comments:

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	W0901	40	Equipment Description Code Code identifying type of equipment used for shipment Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
	W0902	408	Temperature Temperature	X R 1/4
	W0903	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
	W0904	408	Temperature Temperature	X R 1/4
	W0905	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
	W0906	3	Free Form Message Free-form text	O AN 1/60
	W0907	1122	Vent Setting Code Code describing the setting on the air vents on ocean-type containers Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
	W0908	488	Percent Percent expressed as 0 to 100	O N0 1/3
	W0909	380	Quantity Numeric value of quantity	O R 1/15

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Segment: **L1** Rate and Charges
Position: 070
Loop: L1 Optional
Level: Detail
Usage: Optional
Max Use: 1
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 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:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u> <u>Name</u>	
L101	213 Lading Line Item Number Sequential line number for a lading item	O N0 1/3
L102	60 Freight Rate Rate that applies to the specific commodity	X R 1/9
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	M N2 1/12
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	O N2 1/9
L106	117 Prepaid Amount Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified	O N2 1/9
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 Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 3/3
L109	121 Rate Class Code 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.	O ID 1/3
L110	39 Entitlement Code	O ID 1/1

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		Code identifying entitlement party Refer to 004010 Data Element Dictionary for acceptable code values.		
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.		
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		
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		
L115	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.		
L116	372	Lading Liability Code	O	ID 1/1
		Code identifying limits of liability Refer to 004010 Data Element Dictionary for acceptable code values.		
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		
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.		
L119	954	Percent	O	R 1/10
		Percentage expressed as a decimal		
L120	100	Currency Code	O	ID 3/3
		Code (Standard ISO) for country in whose currency the charges are specified		
L121	610	Amount	O	N2 1/15
		Monetary amount		

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Segment: **C3** Currency
Position: 080
Loop: L1 Optional
Level: Detail
Usage: Mandatory
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.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	C301	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified M ID 3/3
	C302	280	Exchange Rate Value to be used as a multiplier conversion factor to convert monetary value from one currency to another O R 4/10
	C303	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified O ID 3/3
	C304	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified O ID 3/3

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Segment: **L7** Tariff Reference
Position: 090
Loop: N7 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To reference details of the tariff used to arrive at applicable rates or charge
Syntax Notes:
Semantic Notes: 1 L710 is the effective date.
 2 In L715 and L716, "City" and "State" are used for rate combination city and state.
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
L701	213	Lading Line Item Number Sequential line number for a lading item	O N0 1/3
L702	168	Tariff Agency Code Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment	O ID 1/4
L703	171	Tariff Number Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	O AN 1/7
L704	172	Tariff Section Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff	O AN 1/2
L705	169	Tariff Item Number Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment	O AN 1/16
L706	170	Tariff Item Part Number assigned to subsection of a specific tariff item (arbitrary)	O N0 1/2
L707	59	Freight Class Code Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc.	O AN 2/5
L708	173	Tariff Supplement Identifier Identifier for the tariff supplement which contains the rate used	O AN 1/4
L709	46	Ex Parte Level of rates as published in the tariff	O AN 4/4
L710	373	Date Date expressed as CCYYMMDD	O DT 8/8
L711	119	Rate Basis Number The (mileage) factor published for rating purposes in the appropriate tariff	O AN 1/6
L712	227	Tariff Column A tariff commodity classification that is used, as a means of control, for grouping of commodities in tariff applications	O AN 1/2
L713	294	Tariff Distance Distance on which the rate for a shipment is based	O N0 1/5
L714	295	Distance Qualifier Code identifying the distance unit Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1

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L715	19	City Name	O AN 2/30
		Free-form text for city name	
L716	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	

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Segment: **X1** Export License
Position: 100
Loop: N7 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit information contained on an export license
Syntax Notes:
Semantic Notes: 1 X104 is the export license expiration date.
 2 X116 is the export classification code number (ECCN).
Comments:

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
X101	83	Licensing Agency Code Code for licensing agency Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
X102	50	Export License Number Government assigned identification number for exporter	O AN 6/12
X103	51	Export License Status Code Code defining whether the shipment completes the terms of the license, or the shipment is only a partial delivery relative to the license terms Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
X104	373	Date Date expressed as CCYYMMDD	O DT 8/8
X105	52	Export License Symbol Code Code which specifies the export symbol marked on a shipment Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/2
X106	48	Export License Control Code Code indicating the type of control applicable to the export license Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
X107	26	Country Code Code identifying the country	O ID 2/3
X108	141	Schedule B Code Code identifying commodity number established for international statistical purposes	O ID 7/10
X109	210	International/Domestic Code Code indicating international or domestic shipment Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
X110	80	Lading Quantity Number of units (pieces) of the lading commodity	O N0 1/7
X111	148	Lading Value Value of shipment for export, expressed in the standard monetary denomination for the currency specified	O R 2/9
X112	47	Export Filing Key Code Code indicating the type of communications with customs Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
X113	355	Unit or Basis for Measurement Code	O ID 2/2

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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.

X114	212	Unit Price	O R 1/17
		Price per unit of product, service, commodity, etc.	
X115	1306	U.S. Government License Type	O AN 1/1
		Code to identify the type of government license involved	
X116	67	Identification Code	O AN 2/80
		Code identifying a party or other code	

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Segment: **X2 Import License**
Position: 110
Loop: N7 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit import license number and effective dates
Syntax Notes: 1 If X205 is present, then X204 is required.
 2 If X206 is present, then X204 is required.
Semantic Notes: 1 X202 is the date the import license was issued.
 2 X203 is the date the import license expires.
 3 X205 is the date the import license was issued.
 4 X206 is the date the import license expires.
Comments: 1 X204 through X206 are used to transmit letter of credit amendment or addendum information.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	X201	70	Import License Number Government assigned identification number for importer of foreign shipments	M AN 6/30
	X202	373	Date Date expressed as CCYYMMDD	O DT 8/8
	X203	373	Date Date expressed as CCYYMMDD	O DT 8/8
	X204	70	Import License Number Government assigned identification number for importer of foreign shipments	X AN 6/30
	X205	373	Date Date expressed as CCYYMMDD	O DT 8/8
	X206	373	Date Date expressed as CCYYMMDD	O DT 8/8

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Segment: **N9** Reference Identification
Position: 120
Loop: N7 Optional
Level: Detail
Usage: Optional
Max Use: 3
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:

Data Element Summary

Ref.	Data	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/3
	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
	N903	369	Free-form Description Free-form descriptive text	X AN 1/45
	N904	373	Date Date expressed as CCYYMMDD	O DT 8/8
	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
	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
	N907	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
M	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/3
M	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
	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3

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Refer to 004010 Data Element Dictionary for acceptable code values.

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

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

Code qualifying the Reference Identification

Refer to 004010 Data Element Dictionary for acceptable code values.

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

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Segment: **H1 Hazardous Material**
Position: 130
Loop: H1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify information relative to hazardous material
Syntax Notes: 1 If either H107 or H108 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment is required when the shipment contains hazardous material.
 2 H107 is the lowest temperature for hazardous materials.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	H101	62 Hazardous Material Code Code relating to hazardous material code qualifier for regulated hazardous materials	M AN 4/10
	H102	209 Hazardous Material Class Code Code specifying the kind of hazard for a material	O AN 1/4
	H103	208 Hazardous Material Code Qualifier Code which qualifies the Hazardous Material Class Code (209) Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
	H104	64 Hazardous Material Description Material name, special instructions, and phone number if any	O AN 2/30
	H105	63 Hazardous Material Contact Phone number and name of person or department to contact in case of emergency	O AN 1/24
	H106	200 Hazardous Materials Page The United Nations page number as required for the international transport of hazardous materials	O AN 1/6
	H107	77 Flashpoint Temperature The flashpoint temperature for hazardous material	X N 1/3
	H108	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
	H109	254 Packing Group Code Code indicating degree of danger in terms of Roman number I, II or III	O ID 1/3

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Segment: **H2** Additional Hazardous Material Description
Position: 140
Loop: H1 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify free-form hazardous material descriptive data in addition to the information provided in the H1 segment
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
M	H201	64	Hazardous Material Description Material name, special instructions, and phone number if any	M AN 2/30
	H202	274	Hazardous Material Classification Free-form description of hazardous material classification or division or label requirements	O AN 1/30

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- Segment:** **L0** Line Item - Quantity and Weight
Position: 150
Loop: L0 Optional
Level: Detail
Usage: Optional
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.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
L001	213	Lading Line Item Number Sequential line number for a lading item	O N0 1/3
L002	220	Billed/Rated-as Quantity Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	X R 1/11
L003	221	Billed/Rated-as Qualifier 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 ID 2/2
L004	81	Weight Numeric value of weight	X R 1/10
L005	187	Weight Qualifier Code defining the type of weight Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
L006	183	Volume Value of volumetric measure	X R 1/8
L007	184	Volume Unit Qualifier Code identifying the volume unit Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
L008	80	Lading Quantity Number of units (pieces) of the lading commodity	X N0 1/7
L009	211	Packaging Form Code Code for packaging form of the lading quantity Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 3/3
L010	458	Dunnage Description	O AN 2/25

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		Material used to protect lading	
L011	188	Weight Unit Code	O ID 1/1
		Code specifying the weight unit	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
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.	
L013	380	Quantity	X R 1/15
		Numeric value of quantity	
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.	
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.	

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Segment: **L5** Description, Marks and Numbers
Position: 160
Loop: L0 Optional
Level: Detail
Usage: Optional
Max Use: 999
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.

Data Element Summary

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

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Segment: **L1** Rate and Charges
Position: 170
Loop: L1 Optional
Level: Detail
Usage: Optional
Max Use: 1
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:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
L101	213	Lading Line Item Number Sequential line number for a lading item	O N0 1/3
L102	60	Freight Rate Rate that applies to the specific commodity	X R 1/9
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	X N2 1/12
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
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
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 Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 3/3
L109	121	Rate Class Code 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.	O ID 1/3
L110	39	Entitlement Code	O ID 1/1

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		Code identifying entitlement party Refer to 004010 Data Element Dictionary for acceptable code values.		
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.		
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		
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		
L115	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.		
L116	372	Lading Liability Code	O	ID 1/1
		Code identifying limits of liability Refer to 004010 Data Element Dictionary for acceptable code values.		
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		
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.		
L119	954	Percent	O	R 1/10
		Percentage expressed as a decimal		
L120	100	Currency Code	O	ID 3/3
		Code (Standard ISO) for country in whose currency the charges are specified		
L121	610	Amount	O	N2 1/15
		Monetary amount		

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Segment: **C3** Currency
Position: 180
Loop: L1 Optional
Level: Detail
Usage: Mandatory
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.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	C301	100 Currency Code	M ID 3/3
		Code (Standard ISO) for country in whose currency the charges are specified	
	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	
	C303	100 Currency Code	O ID 3/3
		Code (Standard ISO) for country in whose currency the charges are specified	
	C304	100 Currency Code	O ID 3/3
		Code (Standard ISO) for country in whose currency the charges are specified	

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Segment: **L7** **Tariff Reference**
Position: 190
Loop: L0 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To reference details of the tariff used to arrive at applicable rates or charge
Syntax Notes:
Semantic Notes: 1 L710 is the effective date.
 2 In L715 and L716, "City" and "State" are used for rate combination city and state.
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
L701	213	Lading Line Item Number Sequential line number for a lading item	O N0 1/3
L702	168	Tariff Agency Code Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment	O ID 1/4
L703	171	Tariff Number Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	O AN 1/7
L704	172	Tariff Section Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff	O AN 1/2
L705	169	Tariff Item Number Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment	O AN 1/16
L706	170	Tariff Item Part Number assigned to subsection of a specific tariff item (arbitrary)	O N0 1/2
L707	59	Freight Class Code Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc.	O AN 2/5
L708	173	Tariff Supplement Identifier Identifier for the tariff supplement which contains the rate used	O AN 1/4
L709	46	Ex Parte Level of rates as published in the tariff	O AN 4/4
L710	373	Date Date expressed as CCYYMMDD	O DT 8/8
L711	119	Rate Basis Number The (mileage) factor published for rating purposes in the appropriate tariff	O AN 1/6
L712	227	Tariff Column A tariff commodity classification that is used, as a means of control, for grouping of commodities in tariff applications	O AN 1/2
L713	294	Tariff Distance Distance on which the rate for a shipment is based	O N0 1/5
L714	295	Distance Qualifier Code identifying the distance unit Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1

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L715	19	City Name	O AN 2/30
		Free-form text for city name	
L716	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	

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Segment: **X1** Export License
Position: 200
Loop: L0 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit information contained on an export license
Syntax Notes:
Semantic Notes: 1 X104 is the export license expiration date.
 2 X116 is the export classification code number (ECCN).
Comments:

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
X101	83	Licensing Agency Code Code for licensing agency Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
X102	50	Export License Number Government assigned identification number for exporter	O AN 6/12
X103	51	Export License Status Code Code defining whether the shipment completes the terms of the license, or the shipment is only a partial delivery relative to the license terms Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
X104	373	Date Date expressed as CCYYMMDD	O DT 8/8
X105	52	Export License Symbol Code Code which specifies the export symbol marked on a shipment Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/2
X106	48	Export License Control Code Code indicating the type of control applicable to the export license Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
X107	26	Country Code Code identifying the country	O ID 2/3
X108	141	Schedule B Code Code identifying commodity number established for international statistical purposes	O ID 7/10
X109	210	International/Domestic Code Code indicating international or domestic shipment Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
X110	80	Lading Quantity Number of units (pieces) of the lading commodity	O N0 1/7
X111	148	Lading Value Value of shipment for export, expressed in the standard monetary denomination for the currency specified	O R 2/9
X112	47	Export Filing Key Code Code indicating the type of communications with customs Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
X113	355	Unit or Basis for Measurement Code	O ID 2/2

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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.

X114	212	Unit Price	O R 1/17
		Price per unit of product, service, commodity, etc.	
X115	1306	U.S. Government License Type	O AN 1/1
		Code to identify the type of government license involved	
X116	67	Identification Code	O AN 2/80
		Code identifying a party or other code	

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Segment: **X2 Import License**
Position: 210
Loop: L0 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit import license number and effective dates
Syntax Notes: 1 If X205 is present, then X204 is required.
 2 If X206 is present, then X204 is required.
Semantic Notes: 1 X202 is the date the import license was issued.
 2 X203 is the date the import license expires.
 3 X205 is the date the import license was issued.
 4 X206 is the date the import license expires.
Comments: 1 X204 through X206 are used to transmit letter of credit amendment or addendum information.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	X201	70	Import License Number Government assigned identification number for importer of foreign shipments	M AN 6/30
	X202	373	Date Date expressed as CCYYMMDD	O DT 8/8
	X203	373	Date Date expressed as CCYYMMDD	O DT 8/8
	X204	70	Import License Number Government assigned identification number for importer of foreign shipments	X AN 6/30
	X205	373	Date Date expressed as CCYYMMDD	O DT 8/8
	X206	373	Date Date expressed as CCYYMMDD	O DT 8/8

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Segment: **C8** Certifications and Clauses
Position: 220
Loop: C8 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify applicable certifications and clauses
Syntax Notes: 1 At least one of C803 or C802 is required.
Semantic Notes:
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
C801	213	Lading Line Item Number Sequential line number for a lading item	O N0 1/3
C802	246	Certification/Clause Code Code identifying certification/clause information Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/4
C803	247	Certification/Clause Text Free-form description of commercial invoice certification/clause	X AN 2/60
C804	1302	Shipper's Export Declaration Requirements Code identifying which Shipper's Export Declaration (SED) requirements are being met	O AN 1/2

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Segment: **C8C** **Certifications Clauses Continuation**
Position: 221
Loop: C8 Optional
Level: Detail
Usage: Optional
Max Use: 5
Purpose: To specify additional applicable certifications and clauses
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	C8C01	247	Certification/Clause Text Free-form description of commercial invoice certification/clause	M AN 2/60
	C8C02	247	Certification/Clause Text Free-form description of commercial invoice certification/clause	O AN 2/60
	C8C03	247	Certification/Clause Text Free-form description of commercial invoice certification/clause	O AN 2/60

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Segment: **H1 Hazardous Material**
Position: 230
Loop: H1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify information relative to hazardous material
Syntax Notes: 1 If either H107 or H108 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment is required when the shipment contains hazardous material.
 2 H107 is the lowest temperature for hazardous materials.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	H101	62 Hazardous Material Code Code relating to hazardous material code qualifier for regulated hazardous materials	M AN 4/10
	H102	209 Hazardous Material Class Code Code specifying the kind of hazard for a material	O AN 1/4
	H103	208 Hazardous Material Code Qualifier Code which qualifies the Hazardous Material Class Code (209) Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
	H104	64 Hazardous Material Description Material name, special instructions, and phone number if any	O AN 2/30
	H105	63 Hazardous Material Contact Phone number and name of person or department to contact in case of emergency	O AN 1/24
	H106	200 Hazardous Materials Page The United Nations page number as required for the international transport of hazardous materials	O AN 1/6
	H107	77 Flashpoint Temperature The flashpoint temperature for hazardous material	X N 1/3
	H108	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
	H109	254 Packing Group Code Code indicating degree of danger in terms of Roman number I, II or III	O ID 1/3

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Segment: **H2** Additional Hazardous Material Description
Position: 240
Loop: H1 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify free-form hazardous material descriptive data in addition to the information provided in the H1 segment
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
M	H201	64	Hazardous Material Description Material name, special instructions, and phone number if any	M AN 2/30
	H202	274	Hazardous Material Classification Free-form description of hazardous material classification or division or label requirements	O AN 1/30

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

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

Semantic Notes: 1 L305 is the total charges.
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u> <u>Name</u>	
L301	81 Weight Numeric value of weight	X R 1/10
L302	187 Weight Qualifier Code defining the type of weight Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
L303	60 Freight Rate Rate that applies to the specific commodity	X R 1/9
L304	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
L305	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	O N2 1/12
L306	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	O N2 1/9
L307	117 Prepaid Amount Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified	O N2 1/9
L308	150 Special Charge or Allowance Code Code identifying type of special charge or allowance Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 3/3
L309	183 Volume Value of volumetric measure	X R 1/8
L310	184 Volume Unit Qualifier Code identifying the volume unit Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
L311	80 Lading Quantity Number of units (pieces) of the lading commodity	O N0 1/7

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

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Segment: **PWK** Paperwork
Position: 020
Loop:
Level: Summary
Usage: Optional
Max Use: 25
Purpose: To identify the type or transmission or both of paperwork or supporting information
Syntax Notes: 1 If either PWK05 or PWK06 is present, then the other is required.
Semantic Notes:
Comments: 1 PWK05 and PWK06 may be used to identify the addressee by a code number.
 2 PWK07 may be used to indicate special information to be shown on the specified report.
 3 PWK08 may be used to indicate action pertaining to a report.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	PWK01	755	Report Type Code	M ID 2/2
			Code indicating the title or contents of a document, report or supporting item Refer to 004010 Data Element Dictionary for acceptable code values.	
	PWK02	756	Report Transmission Code	O ID 1/2
			Code defining timing, transmission method or format by which reports are to be sent Refer to 004010 Data Element Dictionary for acceptable code values.	
	PWK03	757	Report Copies Needed	O N0 1/2
			The number of copies of a report that should be sent to the addressee	
	PWK04	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.	
	PWK05	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67) Refer to 004010 Data Element Dictionary for acceptable code values.	
	PWK06	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
	PWK07	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	
	PWK08	C002	Actions Indicated	O
			Actions to be performed on the piece of paperwork identified	
M	C00201	704	Paperwork/Report Action Code	M ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required Refer to 004010 Data Element Dictionary for acceptable code values.	
	C00202	704	Paperwork/Report Action Code	O ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required Refer to 004010 Data Element Dictionary for acceptable code values.	
	C00203	704	Paperwork/Report Action Code	O ID 1/2

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C00204	704	Paperwork/Report Action Code	O ID 1/2
		Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required Refer to 004010 Data Element Dictionary for acceptable code values.	
C00205	704	Paperwork/Report Action Code	O ID 1/2
		Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required Refer to 004010 Data Element Dictionary for acceptable code values.	
PWK09	1525	Request Category Code	O ID 1/2
		Code indicating a type of request Refer to 004010 Data Element Dictionary for acceptable code values.	

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Segment: **L1** Rate and Charges
Position: 030
Loop: L1 Optional
Level: Summary
Usage: Optional
Max Use: 1
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:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
L101	213	Lading Line Item Number Sequential line number for a lading item	O N0 1/3
L102	60	Freight Rate Rate that applies to the specific commodity	X R 1/9
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	X N2 1/12
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
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
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 Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 3/3
L109	121	Rate Class Code 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.	O ID 1/3
L110	39	Entitlement Code	O ID 1/1

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		Code identifying entitlement party Refer to 004010 Data Element Dictionary for acceptable code values.		
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.		
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		
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		
L115	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.		
L116	372	Lading Liability Code	O	ID 1/1
		Code identifying limits of liability Refer to 004010 Data Element Dictionary for acceptable code values.		
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		
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.		
L119	954	Percent	O	R 1/10
		Percentage expressed as a decimal		
L120	100	Currency Code	O	ID 3/3
		Code (Standard ISO) for country in whose currency the charges are specified		
L121	610	Amount	O	N2 1/15
		Monetary amount		

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Segment: **C3** Currency
Position: 040
Loop: L1 Optional
Level: Summary
Usage: Mandatory
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.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	C301	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified M ID 3/3
	C302	280	Exchange Rate Value to be used as a multiplier conversion factor to convert monetary value from one currency to another O R 4/10
	C303	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified O ID 3/3
	C304	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified O ID 3/3

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- Segment:** **V9** Event Detail
Position: 050
Loop:
Level: Summary
Usage: Optional
Max Use: 10
Purpose: To specify information about a specific event
Syntax Notes:
 - 1 If either V910 or V911 is present, then the other is required.
 - 2 If V913 is present, then V904 is required.
 - 3 If V915 is present, then V909 is required.**Semantic Notes:**
 - 1 V903 is the event date.
 - 2 V904 is the event time.
 - 3 V909 is the Standard Point Location Code (SPLC) of the event shown in the V901.
 - 4 V910 is the length of the time delay expressed in hours.
 - 5 V913 reflects the time zone which the event time reflects.
 - 6 V914 is the quantity of the fuel in gallons.
 - 7 V915 is the Standard Point Location Code (SPLC) of the secondary point of the delay indicated in the V911.
 - 8 V916 is the total number of rail cars associated with the event code in V901.
 - 9 V917 is the total number of loaded cars associated with the event code in V901.
 - 10 V918 is the total number of empty cars associated with the event code in V901.
 - 11 V919 is the total Gross Tons of the cars identified in V916. Includes the gross weight of the loads and the tare weight of the empties.
 - 12 V920 is the total outside foot length of the cars identified in V916, rounded off to the nearest foot.**Comments:**

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	V901	304	Event Code	M ID 3/3
			Code identifying the event about which a report is made	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	V902	106	Event	O AN 1/25
			Free-form description of event	
	V903	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	
	V904	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)	
	V905	19	City Name	O AN 2/30
			Free-form text for city name	
	V906	156	State or Province Code	O ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency	
	V907	26	Country Code	O ID 2/3
			Code identifying the country	
	V908	641	Status Reason Code	O ID 3/3
			Code indicating the status reason	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

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V909	154	Standard Point Location Code	X	ID 6/9
		Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city		
V910	380	Quantity	X	R 1/15
		Numeric value of quantity		
V911	1274	Train Delay Reason Code	X	AN 2/2
		Code specifying reason for train delay		
V912	61	Free-Form Message	O	AN 1/30
		Free-form information		
V913	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.		
V914	380	Quantity	O	R 1/15
		Numeric value of quantity		
V915	154	Standard Point Location Code	O	ID 6/9
		Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city		
V916	86	Total Equipment	O	N0 1/3
		Total pieces of equipment		
V917	86	Total Equipment	O	N0 1/3
		Total pieces of equipment		
V918	86	Total Equipment	O	N0 1/3
		Total pieces of equipment		
V919	81	Weight	O	R 1/10
		Numeric value of weight		
V920	82	Length	O	R 1/8
		Largest horizontal dimension of an object measured when the object is in the upright position		

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Segment: **C8** Certifications and Clauses
Position: 055
Loop:
Level: Summary
Usage: Optional
Max Use: 20
Purpose: To specify applicable certifications and clauses
Syntax Notes: 1 At least one of C803 or C802 is required.
Semantic Notes:
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
C801	213	Lading Line Item Number Sequential line number for a lading item	O N0 1/3
C802	246	Certification/Clause Code Code identifying certification/clause information Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/4
C803	247	Certification/Clause Text Free-form description of commercial invoice certification/clause	X AN 2/60
C804	1302	Shipper's Export Declaration Requirements Code identifying which Shipper's Export Declaration (SED) requirements are being met	O AN 1/2

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Segment: **K1** Remarks
Position: 060
Loop:
Level: Summary
Usage: Optional
Max Use: 999
Purpose: To transmit information in a free-form format for comment or special instruction
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	K101	61	Free-Form Message Free-form information	M AN 1/30
	K102	61	Free-Form Message Free-form information	O AN 1/30

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Segment: **L11** Business Instructions and Reference Number
Position: 070
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify instructions in this business relationship or a reference number
Syntax Notes: 1 At least one of L1101 or L1103 is required.
 2 If either L1101 or L1102 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
L1101	127		Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
L1102	128		Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/3
L1103	352		Description A free-form description to clarify the related data elements and their content	X AN 1/80

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Segment: **SE** Transaction Set Trailer
Position: 080
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.

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
M	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
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	

GE

Functional Group Trailer

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

To indicate the end of a functional group and to provide control information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GE01	97	- Number of Transaction Sets Included Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	N0	1/6	Must use
GE02	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	N0	1/9	Must use

Semantics:

- The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Comments:

- The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

IEA Interchange Control Trailer

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

To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IEA01	I16	Number of Included Functional Groups Description: A count of the number of functional groups included in an interchange	M	N0	1/5	Must use
IEA02	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9	Must use