

300 Reservation (Booking Request) (Ocean)

Functional Group ID= **RO**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Reservation (Booking Request) (Ocean) Transaction Set (300) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used by a shipper or a forwarder to reserve space, containers and equipment for transport by ocean vessel.

Notes:

1. The 300 Transaction Set (TS) is generated by the Military Traffic Management Command (MTMC) Integrated Booking System (IBS). This Implementation Convention (IC) utilizes the ASC X.12 ver 3060 standard.

2. This Implementation Convention document and the maintenance thereof, is the responsibility of the MTMC IM-I office, and must be approved by the Automated Carrier Interface (ACI) and Department of Defense Transportation Electronic Data Interchange (DTEDI) organizations.

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>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	B1	Beginning Segment for Booking or Pick-up/Delivery	M	1		
Not Used	025	G61	Contact	O	3		
Not Used	030	Y6	Authentication	O	2		
Not Used	040	Y7	Priority	O	1		
Must Use	050	Y1	Space Reservation Request	M	1		
						LOOP ID - Y2	10
	060	Y2	Container Details	O	1		
Not Used	065	W09	Equipment and Temperature	O	1		
	069	N9	Reference Identification	O	100		
Not Used	070	R2A	Route Information with Preference	O	25		
						LOOP ID - N1	10
Must Use	080	N1	Name	M	1		
Not Used	090	N2	Additional Name Information	O	1		
	100	N3	Address Information	O	2		
Must Use	110	N4	Geographic Location	O	1		
	120	G61	Contact	O	3		
						LOOP ID - R4	20
Must Use	130	R4	Port	M	1		

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	140	DTM	Date/Time Reference	O	15	
	150	W09	Equipment and Temperature	O	1	
	160	H3	Special Handling Instructions	O	6	
Not Used	170	EA	Equipment Attributes	O	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>
	LOOP ID - LX						999
Must Use	010	LX	Assigned Number	M	1		
	020	N7	Equipment Details	O	1		
Not Used	021	W09	Equipment and Temperature	O	1		
Not Used	030	DTM	Date/Time Reference	O	1		
	040	L0	Line Item - Quantity and Weight	O	1		
Must Use	050	L5	Description, Marks and Numbers	O	1		
	060	L4	Measurement	O	1		
	LOOP ID - H1						10
	070	H1	Hazardous Material	O	1		
	080	H2	Additional Hazardous Material Description	O	10		
Must Use	090	V1	Vessel Identification	O	2		
	100	V9	Event Detail	O	10		
	110	K1	Remarks	O	2		

Summary:

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

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) 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:

Data Element Summary

	Ref.	Data		
	Des.	Element	Name	Attributes
Must Use	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set	
			300 X12.109 Reservation (Booking Request) (Ocean)	
Must Use	ST02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

Segment: **B1** Beginning Segment for Booking or Pick-up/Delivery
Position: 020
Loop:
Level: Heading:
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set

Syntax Notes:

- Semantic Notes:**
- 1 B101 is the Standard Carrier Alpha Code (SCAC) of the carrier sending the EDI transmission.
 - 2 B103 is the booking date accepted by the carrier.

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Not Used	B101	140 Standard Carrier Alpha Code Standard Carrier Alpha Code	O ID 2/4
Must Use	B102	145 Shipment Identification Number 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) <i>Enter the Port Call File Number (PCFN). The PCFN is an 8 digit element. The first 6 digits are the actual PCFN and the last two digits are the year.</i>	M AN 1/30
Not Used	B103	373 Date Date (YYMMDD)	O DT 6/6
Must Use	B104	558 Reservation Action Code Code identifying action on reservation or offering N New U Change	O ID 1/1

A "U" is utilized AFTER an Ocean Carrier receives an initial TS 300 offering using a "N" code.

Example 1: (Increase in cargo offering). An initial offering may have been for 10 containers of cargo. The Ocean Carrier transmits a TS 301 Confirmation for all 10 containers. A shipper then indicates that they want to increase the offering from the initial 10 containers to 15 containers. IBS will then transmit another TS 300 using the "U" value. The number of containers will be the total number of containers (15), NOT just the additional ones. The ocean carriers can then send back a TS

301 accepting the 15, or rejecting just those 5 (since they've already accepted the original 10).

Example 2: (Decrease in cargo offering). If after an initial TS 300 for 10 containers of cargo has been accepted by an Ocean Carrier and then the shipper needs to decrease that offer by "6", IBS will transmit a TS 300 with a "U" value indicating that now only "4" containers are being offered. The Ocean Carrier can now either send a TS 301 accepting only those "4" containers, or a TS 301 rejecting the booking.

Segment: **Y1** Space Reservation Request
Position: 050
Loop:
Level: Heading:
Usage: Mandatory
Max Use: 1
Purpose: To specify information used to make a reservation for space on an ocean vessel
Syntax Notes: 1 If either Y102 or Y109 is present, then the other is required.
Semantic Notes: 1 Y102 is the date the shipment for which space reservation is requested to be available at the origin.
Comments:

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
Must Use	Y101	135 Sailing/Flight Date Estimated Date for reservation <i>This date is the actual vessel departure/sailing date.</i>	O DT 6/6
Must Use	Y102	373 Date Date (YYMMDD)	X DT 6/6
Not Used	Y103	140 Standard Carrier Alpha Code Standard Carrier Alpha Code	O ID 2/4
	Y104	91 Transportation Method/Type Code Code specifying the method or type of transportation for the shipment LT Less Than Trailer Load (LTL) O Containerized Ocean Q Conventional Ocean <i>Use this value for "BREAKBULK" or "RORO".</i>	O ID 1/2
Not Used	Y105	98 Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual	O ID 2/2
Not Used	Y106	19 City Name Free-form text for city name	O AN 2/30
Not Used	Y107	156 State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
Not Used	Y108	375 Tariff Service Code Code specifying the types of services for rating purposes	O ID 2/2
Must Use	Y109	374 Date/Time Qualifier Code specifying type of date or time, or both date and time 169 Product Availability Date	X ID 3/3

Segment: **Y2** Container Details
Position: 060
Loop: Y2 Optional
Level: Heading:
Usage: Optional
Max Use: 1
Purpose: To specify container information and transportation service to be used
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	Y201	95	Number of Containers		M N0 1/4
				Number of shipping containers	
				<i>Use a "0" if offering breakbulk.</i>	
	Y202	78	Container Type Request Code		O ID 1/1
				Code indicating type of container equipment requested	
				<i>The Y202 Data Element is only used for containerized cargo.</i>	
				C Containers with Chassis	
				S Shipper To Provide - None Requested	
	Y203	56	Type of Service Code		O ID 2/2
				Code specifying extent of transportation service requested	
				<i>The Y203 Data Element is only used for breakbulk.</i>	
				NC Non-containerized cargo	
Must Use	Y204	24	Equipment Type		M ID 4/4
				Code identifying equipment type	
				<i>Enter in the appropriate ISO Standard Codes. If no ISO code exists, then enter ZZZZ, as a place holder. The source for these codes is in the "Identification Marking Code For Freight Containers (ISO 2716-1972). It can be obtained from the American National Standards Institute.</i>	
Not Used	Y205	91	Transportation Method/Type Code		O ID 1/2
				Code specifying the method or type of transportation for the shipment	
Not Used	Y206	177	Intermodal Service Code		O ID 1/2
				Code identifying the Intermodal Service Plan	
Not Used	Y207	140	Standard Carrier Alpha Code		O ID 2/4
				Standard Carrier Alpha Code	
	Y208	464	Container Terms Code		O ID 3/3
				Code indicating origin and destination of transportation and type of container	

These are the lading terms, MILSTAMP Codes, as described in the Code Source 350, "Defense Logistics Management System Manual. This manual can be obtained from the Defense Logistics Management Standards Office.

Not Used	Y209	465	Container Terms Code Qualifier	O	ID 1/1
			Code indicating container terms reference		
	Y210	466	Total Stopoffs	O	N0 1/2
			Total number of stopoffs specified for a shipment		

Segment: **N9 Reference Identification**
Position: 069
Loop:
Level: Heading:
Usage: Optional
Max Use: 100
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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
			2E Foreign Military Sales Case Number A reference number designating the foreign military sale records	
			2I Tracking Number	
			CT Contract Number	
			TG Transportation Control Number (TCN) This value is only used for SeaVan TCN's. All breakbulk TCN's will be located in L506.	
			TH Transportation Account Code (TAC)	
			V3 Voyage Number	
	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
Not Used	N903	369	Free-form Description Free-form descriptive text	X AN 1/45
Not Used	N904	373	Date Date (YYMMDD)	O DT 6/6
Not Used	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	X TM 4/8

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			(00-99)	
Not Used	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				
Not Used	N907	C040	Reference Identifier	O
To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
Not Used	C04001	128	Reference Identification Qualifier	M ID 2/3
Code qualifying the Reference Identification				
Not Used	C04002	127	Reference Identification	M AN 1/30
Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
Not Used	C04003	128	Reference Identification Qualifier	X ID 2/3
Code qualifying the Reference Identification				
Not Used	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				
Not Used	C04005	128	Reference Identification Qualifier	X ID 2/3
Code qualifying the Reference Identification				
Not Used	C04006	127	Reference Identification	X AN 1/30
Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

- Segment:** **N1** Name
- Position:** 080
- 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	Attributes	
<u>Des.</u>	<u>Element</u> <u>Name</u>		
Must Use	N101 98 Entity Identifier Code	M	ID 2/2
	Code identifying an organizational entity, a physical location, or an individual		
	CI	Consignor	
	CN	Consignee	
	SH	Shipper	
		This is the cargo pick-up point.	
	SP	Party filling Shipper's Order	
N102	93 Name	X	AN 1/35
	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)		
	10	Department of Defense Activity Address Code (DODAAC)	
		Use only a "10" when there is a "CI" in N101. When there is an "CN, SH, SP" in N101, use either a "10 or 16" in N103.	
	16	ZIP Code	
		Do not use a "16" if "CI" is entered in N101. However it can be used if there is a "CN, SH, SP" in N101.	
N104	67 Identification Code	X	AN 2/20
	Code identifying a party or other code		
	<i>Enter either the DODAAC or Zip Code in this element depending upon</i>		

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which code is used in N103.

Not Used	N105	706	Entity Relationship Code	O	ID 2/2
			Code describing entity relationship		
Not Used	N106	98	Entity Identifier Code	O	ID 2/2
			Code identifying an organizational entity, a physical location, or an individual		

Segment: **N3 Address Information**
Position: 100
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		Attributes
	Des.	Element	Name	
Must Use	N301	166	Address Information	M AN 1/35
			Address information	
	N302	166	Address Information	O AN 1/35
			Address information	

Segment: **N4 Geographic Location**
Position: 110
Loop: N1 Mandatory
Level: Heading:
Usage: Optional (Must Use)
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	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	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
Not Used	N405	309 Location Qualifier Code identifying type of location	X ID 1/2
Not Used	N406	310 Location Identifier Code which identifies a specific location	O AN 1/30

Segment: **G61** Contact
Position: 120
Loop: N1 Mandatory
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			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use	G6101	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
			IC Information Contact	
Must Use	G6102	93	Name	M AN 1/35
			Free-form name	
			<i>Enter the Shipper POC name.</i>	
	G6103	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number	
			TE Telephone	
	G6104	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable	
			<i>Enter the Shipper telephone number.</i>	
Not Used	G6105	443	Contact Inquiry Reference	O AN 1/20
			Additional reference number or description to clarify a contact number	

Segment: **R4** Port
Position: 130
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>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	R401	115 Port Function Code	M ID 1/1
		Code defining function performed at the port with respect to a shipment	
		D Port of Discharge (Operational) Port at which cargo is unloaded from vessel Use this value to indicate where the cargo is to be unloaded by the ocean carrier.	
		E Place of Delivery (Contractual) Place at which cargo leaves its care and custody of carrier	
		J Bill of Lading Port of Loading (Contractual) Place at which cargo is loaded on board the means of transport	
		K Bill of Lading Port of Discharge (Contractual) Place at which cargo is discharged from means of transport	
		L Port of Loading (Operational) Port at which cargo is loaded on vessel Use this value to indicate where the cargo is to be loaded onto the vessel.	
		R Place of Receipt (Contractual) Place at which cargo enters the care and custody of carrier	
Must Use	R402	309 Location Qualifier	X ID 1/2
		Code identifying type of location	
		D Census Schedule D	
		K Census Schedule K	
Must Use	R403	310 Location Identifier	X AN 1/30
		Code which identifies a specific location	

This is the Port ID, which is the census code off of the Census Schedule D or K.

	R404	114	Port Name	O AN 2/24
			Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property	
Not Used	R405	26	Country Code	O ID 2/3
			Code identifying the country	
Not Used	R406	174	Terminal Name	O AN 2/30
			Free-form field for terminal name	
Not Used	R407	113	Pier Number	O AN 1/4
			Identifying number for the pier	
Not Used	R408	156	State or Province Code	O ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency	

Segment: **DTM** **Date/Time Reference**

Position: 140

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 DTM06 is required.
 - 2 If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:

Comments:

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
Must Use	DTM01	374 Date/Time Qualifier Code specifying type of date or time, or both date and time 996 Required Delivery A date on which or before, ordered goods or services must be delivered	M ID 3/3
Must Use	DTM02	373 Date Date (YYMMDD)	X DT 6/6
Not Used	DTM03	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
Not Used	DTM04	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	O ID 2/2
Not Used	DTM05	624 Century The first two characters in the designation of the year (CCYY)	O N0 2/2
Not Used	DTM06	1250 Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format	X ID 2/3
Not Used	DTM07	1251 Date Time Period Expression of a date, a time, or range of dates, times or dates and times	X AN 1/35

Segment: **W09** **Equipment and Temperature**
Position: 150
Loop:
Level: Heading:
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:
Notes: *To be used with reefers.*

Data Element Summary

Ref.	Data	Attributes
<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	W0901 40 Equipment Description Code	M ID 2/2
	Code identifying type of equipment used for shipment CZ Refrigerated Container	
	W0902 408 Temperature	X R 1/4
	Temperature <i>Enter the minimum temperature.</i>	
	W0903 355 Unit or Basis for Measurement Code	X ID 2/2
	Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken FA Fahrenheit	
	W0904 408 Temperature	X R 1/4
	Temperature <i>Enter the maximum temperature.</i>	
	W0905 355 Unit or Basis for Measurement Code	X ID 2/2
	Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken FA Fahrenheit	
Not Used	W0906 3 Free Form Message	O AN 1/60
	Free-form text	
Not Used	W0907 1122 Vent Setting Code	O ID 1/1

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Not Used	W0908	488	Percent	O N0 1/3
			Code describing the setting on the air vents on ocean-type containers Percent expressed as 0 to 100	
Not Used	W0909	380	Quantity	O R 1/15
			Numeric value of quantity	

Segment: **H3 Special Handling Instructions**
Position: 160
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>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
Must Use	H301	152 Special Handling Code Code specifying special transportation handling instructions Refer to 003060 Data Element Dictionary for acceptable code values.	X ID 2/3
Not Used	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
Not Used	H303	241 Protective Service Code Code specifying perishable protective service- rail carriers only	O ID 1/4
Not Used	H304	242 Vent Instruction Code Code specifying vent instructions	O ID 1/7
Not Used	H305	257 Tariff Application Code Code indicating to which traffic a tariff applies	O ID 1/1

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:

Notes: *When booking breakbulk cargo, segments in the LX Loop will be repeated for each Transportation Control Number (TCN).*

When booking containerized cargo, segments in the LX Loop will be repeated ONLY once.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	LX01	554 Assigned Number	M N0 1/6

Number assigned for differentiation within a transaction set

When booking breakbulk cargo, assign numbers sequentially, i.e. 1,2,3,4...999. Because containerized cargo only loop once, assign the number "1" to it.

Segment: **N7** **Equipment Details**
Position: 020
Loop: LX Mandatory
Level: Detail:
Usage: Optional
Max Use: 1
Purpose: To identify the equipment
Syntax Notes: 1 If N703 is present, then N704 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.
Notes: *This is only used when ISO codes are not available in the Y204.*

Data Element Summary

Ref.	Des.	Data Element	Name	Attributes
	N701	206	Equipment Initial	O AN 1/4
			Prefix or alphabetic part of an equipment unit's identifying number	
			<i>Enter the unit identity number or leave blank.</i>	
Must Use	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)	
			<i>Because this data element is mandatory and the container number is not normally known at the time of booking, use 0000000.</i>	
Not Used	N703	81	Weight	O R 1/10
			Numeric value of weight	
Not Used	N704	187	Weight Qualifier	X ID 1/2
			Code defining the type of weight	
Not Used	N705	167	Tare Weight	X N0 3/8
			Weight of the equipment	
Not Used	N706	232	Weight Allowance	O N0 2/6
			Allowance made for increased weight due to such factors as snow	
Not Used	N707	205	Dunnage	O N0 1/6
			Weight of material used to protect lading (even bracings, false floors, etc.)	
Not Used	N708	183	Volume	X R 1/8
			Value of volumetric measure	
Not Used	N709	184	Volume Unit Qualifier	X ID 1/1
			Code identifying the volume unit	
Not Used	N710	102	Ownership Code	O ID 1/1

Code indicating the relationship of equipment to carrier or ownership of equipment

Must Use **N711** **40** **Equipment Description Code** **O** **ID 2/2**

Code identifying type of equipment used for shipment

- AC Closed Container
- AT Closed Container (Controlled Temperature)
- BC Covered Barge
- BK Container, Bulk
- BO Barge Open
- BR Barge
- CC Container resting on a Chassis
- CG Container, Tank (Gas)
- CI Container, Insulated
- CJ Container, Insulated/Ventilated
- CL Container (Closed Top - Length Unspecified)
- CM Container, Open-Sided
- CN Container
- CQ Container, Tank (Food Grade-Liquid)
- CS Container-Low Side Open Top
- CU Container (Open Top - Length Unspecified)
- CV Closed Van
- CW Container, Tank (Chemicals)
- CX Container, Tank
- CZ Refrigerated Container
- DT Drop Back Trailer
- FH Flat Bed Trailer with Headboards
- FN Flat Bed Trailer with No Headboards
- FR Flat Bed Trailer - Removable Sides
- FT Flat Bed Trailer
- HB Container with Hangar Bars
 Container must be equipped with hangar beams/bars
 for garment shipments
- HV High Cube Van
- IX Boxcar (Insulated)
- LS Half Height Flat Rack
- OT Open-top/flatbed trailer
- OV Open Top Van
- PL Container, Platform
- RA Fixed-Rack, Flat-Bed Trailer
 A flatbed trailer with an A-frame
- RC Refrigerated (Reefer) Car

RD	Fixed-Rack, Double Drop Trailer A double-drop, flatbed with an A-frame
RE	Flat Car (End Bulkheads)
RF	Flat Car
RR	Rail Car
RS	Fixed-Rack, Single-Drop Trailer A single-drop, flatbed with an A-frame
RT	Controlled Temperature Trailer (Reefer)
SD	Single-Drop Trailer A flatbed trailer with one drop deck
SL	Container, Steel Container must be made of steel
SS	Container with Smooth Sides Walls in ocean container must be flat/smooth
ST	Removable Side Trailer
TA	Trailer, Heated/Insulated/Ventilated
TC	Trailer, Car
TF	Trailer, Dry Freight
TI	Trailer, Insulated
TL	Trailer (not otherwise specified)
TM	Trailer, Insulated/Ventilated
TW	Trailer, Refrigerated A refrigerated trailer capable of keeping product cold. Different from a temperature controlled trailer which is able to keep product at a constant temperature
VA	Container, Vented Dry container must have vent openings for air exchange

Not Used	N712	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	O	ID 2/4
Not Used	N713	319	Temperature Control Free-form abbreviation of temperature range or flash-point temperature	O	AN 3/6
Not Used	N714	219	Position Relative position of shipment in car, trailer, or container (mutually defined)	O	AN 1/3
	N715	567	Equipment Length 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)	O	N0 4/5
Not Used	N716	571	Tare Qualifier Code Code identifying the type of tare	X	ID 1/1
Not Used	N717	188	Weight Unit Code	O	ID 1/1

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			Code specifying the weight unit	
Not Used	N718	761	Equipment Number Check Digit	O N0 1/1
			Number which designates the check digit applied to a piece of equipment	
Not Used	N719	56	Type of Service Code	O ID 2/2
			Code specifying extent of transportation service requested	
	N720	65	Height	O R 1/8
			Vertical dimension of an object measured when the object is in the upright position	
Not Used	N721	189	Width	O R 1/8
			Shorter measurement of the two horizontal dimensions measured with the object in the upright position	
Not Used	N722	24	Equipment Type	O ID 4/4
			Code identifying equipment type	
Not Used	N723	140	Standard Carrier Alpha Code	O ID 2/4
			Standard Carrier Alpha Code	
Not Used	N724	301	Car Type Code	O ID 1/4
			Code maintained by AAR to identify a type of rail car or intermodal equipment type and its general physical characteristics; when using fewer than four characters, the value must include all of the leading or high order characters	

Segment: **L0** Line Item - Quantity and Weight
Position: 040
Loop: LX Mandatory
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

Ref.	Des.	Data Element	Name	Attributes
Not Used	L001	213	Lading Line Item Number Sequential line number for a lading item	O N0 1/3
Not Used	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
Not Used	L003	221	Billed/Rated-as Qualifier Code identifying the type of quantity or value on which the rate or item pricing is based	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 E Estimated Net Weight	X ID 1/2
	L006	183	Volume Value of volumetric measure <i>This is a cubic measurement.</i>	X R 1/8
	L007	184	Volume Unit Qualifier	X ID 1/1

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			Code identifying the volume unit		
			E Cubic Feet		
	L008	80	Lading Quantity	O	N0 1/7
			Number of units (pieces) of the lading commodity		
			<i>This is the number of breakbulk pieces. This element is not used with containerized cargo.</i>		
			1 Number of Breakbulk Cargo Pieces		
	L009	211	Packaging Form Code	X	ID 3/3
			Code for packaging form of the lading quantity		
			PCS Pieces		
Not Used	L010	458	Dunnage Description	O	AN 2/25
			Material used to protect lading		
	L011	188	Weight Unit Code	O	ID 1/1
			Code specifying the weight unit		
			K Kilograms		
			L Pounds		
Not Used	L012	56	Type of Service Code	O	ID 2/2
			Code specifying extent of transportation service requested		
Not Used	L013	380	Quantity	X	R 1/15
			Numeric value of quantity		
Not Used	L014	211	Packaging Form Code	O	ID 3/3
			Code for packaging form of the lading quantity		
Not Used	L015	1073	Yes/No Condition or Response Code	X	ID 1/1
			Code indicating a Yes or No condition or response		

Segment: **L5** Description, Marks and Numbers
Position: 050
Loop: LX Mandatory
Level: Detail:
Usage: Optional (Must Use)
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

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
Not Used	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	
			<i>This is free form text describing the commodity code. This text should correspond to the MILSTAMP code entered in data element L503.</i>	
	L503	22	Commodity Code	X AN 1/30
			Code describing a commodity or group of commodities	
			<i>Enter the MILSTAMP code.</i>	
	L504	23	Commodity Code Qualifier	X ID 1/1
			Code identifying the commodity coding system used for Commodity Code	
			I Milstamp AITC or Water Commodity Code	
	L505	103	Packaging Code	O AN 3/5
			Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material	
			<i>The only code values used in containerized bookings are CNT, SV2, ML2, and MS2. All other codes are to be used with breakbulk offerings.</i>	
			AMM	Ammo Pack
			BAG	Bag
			BBL	Barrel
			BOX	Box
			CAN	Can
			CNA	Household Goods Container, Wood
			CNT	Container

CRT	Crate
CTN	Carton
CX2	CONEX A reusable container for shipment of cargo
CYL	Cylinder
DBK	Dry Bulk
DRM	Drum
KEG	Keg
LBK	Liquid Bulk
ML2	MILVAN A military owned demountable container that conforms to US and international standards and operates in a centrally controlled fleet for movement of military cargo
MS2	MSCVAN A commercial (leased) or Government-owned shipping container controlled by the Military Sealift Command
PCS	Pieces
PLT	Pallet
REL	Reel
SKD	Skid
SV2	SEAVAN A commercial or government-owned (or leased) shipping container which is moved via ocean transportation without wheels attached and is lifted on and off a ship
TNK	Tank
VEH	Vehicles
WHE	On Own Wheel Use WHE to denote RORO
71	Not Otherwise Specified

	L506	87	Marks and Numbers	X	AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment <i>The L506 is ONLY used with BREAKBULK cargo, not containerized cargo. The Transportation Control Number (TCN) is what is entered into this data element.</i>		
Not Used	L507	88	Marks and Numbers Qualifier	O	ID 1/2
			Code specifying the application or source of Marks and Numbers (87)		
Not Used	L508	23	Commodity Code Qualifier	X	ID 1/1
			Code identifying the commodity coding system used for Commodity Code		
Not Used	L509	22	Commodity Code	X	AN 1/30

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Not Used	L510	595	Code describing a commodity or group of commodities	O	ID 1/1
			Compartment ID Code		
			Code identifying the compartment in a compartmentalized tank car		

Segment: **L4** Measurement
Position: 060
Loop: LX Mandatory
Level: Detail:
Usage: Optional
Max Use: 1
Purpose: To describe physical dimensions and quantities
Syntax Notes:
Semantic Notes:
Comments:
Notes: *ONLY use this Segment for Breakbulk outsized cargo.*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use	L401	82	Length	M R 1/8
			Largest horizontal dimension of an object measured when the object is in the upright position	
			<i>This is an "inches" measurement.</i>	
Must Use	L402	189	Width	M R 1/8
			Shorter measurement of the two horizontal dimensions measured with the object in the upright position	
			<i>This is an "inches" measurement.</i>	
Must Use	L403	65	Height	M R 1/8
			Vertical dimension of an object measured when the object is in the upright position	
			<i>This is an "inches" measurement.</i>	
Must Use	L404	90	Measurement Unit Qualifier	M ID 1/1
			Code specifying the linear dimensional unit	
			N	Inches
	L405	380	Quantity	O R 1/15
			Numeric value of quantity	
			<i>This quantity is the number of breakbulk pieces.</i>	

Segment: **H1 Hazardous Material**
Position: 070
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

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	H101	62	Hazardous Material Code		M AN 4/10
			Code relating to hazardous material code qualifier for regulated hazardous materials		
			<i>Use Source Code 52, Code of Federal Regulations, Transportation, Title 49, parts 100 to 177, revised as of November 1, 1983, pages 75 - 170. This can be obtained from the Superintendent of Documents, United States Government Printing Office.</i>		
			NAID	UN	
Must Use	H102	209	Hazardous Material Class Code		O AN 1/4
			Code specifying the kind of hazard for a material		
			<i>Use the IMDG number found in Source Code 52.</i>		
Must Use	H103	208	Hazardous Material Code Qualifier		O ID 1/1
			Code which qualifies the Hazardous Material Class Code (209)		
			I	Intergovernmental Maritime Organization (IMO) Code	
Must Use	H104	64	Hazardous Material Description		O AN 2/30
			Material name, special instructions, and phone number if any		
			<i>Free form text proper name of the hazardous material. If more than 30 characters are needed use Data Element H202.</i>		
Must Use	H105	63	Hazardous Material Contact		O AN 1/24
			Phone number and name of person or department to contact in case of emergency		
Must Use	H106	200	Hazardous Materials Page		O AN 1/6
			The United Nations page number as required for the international transport of hazardous materials		
			<i>Use Source Code 125, International Maritime Dangerous Goods Code. This can be obtained from the Intergovernment Maritime Consultants Organization (IMCO).</i>		

	H107	77	Flashpoint Temperature	X	N 1/3
			The flashpoint temperature for hazardous material		
	H108	355	Unit or Basis for Measurement Code	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			CE Centigrade, Celsius		
			FA Fahrenheit		
Must Use	H109	254	Packing Group Code	O	ID 1/3
			Code indicating degree of danger in terms of Roman number I, II or III		
			<i>Use Source Code 84, The Canadian Gazette, Part I, II, or III. This publication can be obtained from the Canadian Government Publishing Centre.</i>		

Segment: **H2** Additional Hazardous Material Description
Position: 080
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

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	H201	64		Hazardous Material Description	M AN 2/30
				Material name, special instructions, and phone number if any	
				<i>If the first 3 characters are "NEW", then "Net Explosive Weight" follows in pounds, up to 6 numeric characters, without decimal points. If using the H2 segment because the data in H104 needs additional space in the H202, and there is NO Net Explosive Weight, enter "ZZ" in H201. Because the H201 is mandatory the "ZZ" value is a mutually defined value as an extension of H104.</i>	
	H202	274		Hazardous Material Classification	O AN 1/30
				Free-form description of hazardous material classification or division or label requirements	
				<i>This element can be used for placard label information to be placed on the outside of the container.</i>	

Segment: **V1** Vessel Identification
Position: 090
Loop:
Level: Detail:
Usage: Optional (Must Use)
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

Ref.	Data	Element	Name	Attributes
V101	597	Vessel Code		X ID 1/7
			Code identifying vessel	
			<i>Enter the Vessel Radio Call Sign. If it doesn't have one, enter the Lloyd's number.</i>	
Must Use	V102	182	Vessel Name	X AN 2/28
			Name of ship as documented in "Lloyd's Register of Ships"	
Must Use	V103	26	Country Code	O ID 2/3
			Code identifying the country	
Must Use	V104	55	Flight/Voyage Number	O AN 2/10
			Identifying designator for the particular flight or voyage on which the cargo travels	
			<i>Enter the commercial voyage number.</i>	
Not Used	V105	140	Standard Carrier Alpha Code	O ID 2/4
			Standard Carrier Alpha Code	
Not Used	V106	249	Vessel Requirement Code	O ID 1/1
			Code specifying options for satisfying vessel requirements	
Not Used	V107	854	Vessel Type Code	O ID 2/2
			Code to determine type of vessel	
Must Use	V108	897	Vessel Code Qualifier	O ID 1/1
			Code specifying vessel code source	
			C Ship's Radio Call Signal	
			L Lloyd's Register of Shipping	
			Z Mutually Defined	
			<i>Only use Z, as mutually agreed upon by the ACI, for barges or other vessels which are not identified by Lloyds.</i>	

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Not Used **V109** **91** **Transportation Method/Type Code** **O** **ID 1/2**
Code specifying the method or type of transportation for the shipment

Segment: **V9** Event Detail
Position: 100
Loop:
Level: Detail:
Usage: Optional
Max Use: 10
Purpose: To specify information about a specific event
Syntax Notes: 1 If V913 is present, then V904 is required.
Semantic Notes: 1 V903 is the event date.
 2 V904 is the event time.
 3 V913 reflects the time zone which the event time reflects.

Comments:
Notes: *There can be up to 10 "V9" segments, which repeat for "Container" spot dates.*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use	V901	304	Event Code	M ID 3/3
			Code identifying the event about which a report is made	
			SPT Spot Date	
Not Used	V902	106	Event	O AN 1/25
			Free-form description of event	
	V903	373	Date	O DT 6/6
			Date (YYMMDD)	
			<i>Enter the spot date.</i>	
Not Used	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)	
Not Used	V905	19	City Name	O AN 2/30
			Free-form text for city name	
Not Used	V906	156	State or Province Code	O ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency	
Not Used	V907	26	Country Code	O ID 2/3
			Code identifying the country	
Not Used	V908	641	Status Reason Code	O ID 3/3
			Code indicating the status reason	
Not Used	V909	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	

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			purposes) within a city	
Not Used	V910	337	Time	O 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)	
Not Used	V911	1274	Train Delay Reason Code	O AN 2/2
			Code specifying reason for train delay	
	V912	61	Free-Form Message	O AN 1/30
			Free-form information	
			<i>Enter the number of containers to be spotted and any other pertinent information.</i>	
Not Used	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	

Segment: **K1** Remarks
Position: 110
Loop:
Level: Detail:
Usage: Optional
Max Use: 2
Purpose: To transmit information in a free-form format for comment or special instruction
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

Segment: **SE** Transaction Set Trailer
Position: 010
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	Attributes
	Des.	Element Name	
Must Use	SE01	96 Number of Included Segments	M N0 1/10
		Total number of segments included in a transaction set including ST and SE segments	
Must Use	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	