

301 Confirmation (Ocean) for Customers

Version: 7.0

Company: CargoSmart Limited

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301 Confirmation (Ocean)

Functional Group=RO

Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Confirmation (Ocean) Transaction Set (301) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide all the information necessary for an ocean carrier to confirm space, container, and equipment availability in response to the Reservation (Booking Request) (Ocean) Transaction Set (300); or to notify other parties such as terminal operators or other ocean carriers.

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
	ISA	Interchange Control Header	M	1			Must use	4
	GS	Functional Group Header	M	1			Must use	7

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
010	ST	Transaction Set Header	M	1			Must use	9
020	B1	Beginning Segment for Booking or Pick-up/Delivery	M	1			Must use	10
* 025	G61	Contact	O	3				N/A
* 030	Y6	Authentication	O	2				N/A
040	Y3	Space Confirmation	M	1			Must use	11
LOOP ID - Y4					10			13
050	Y4	Container Release	M	1			Must use	14
051	W09	Equipment and Temperature	O	1			Used	16
054	N9	Reference Identification	O	100			Used	18
* 055	R2A	Route Information with Preference	O	25				N/A
LOOP ID - N1					4			20
060	N1	Name	M	1			Must use	21
* 070	N2	Additional Name Information	O	1				N/A
080	N3	Address Information	O	2			Used	22
090	N4	Geographic Location	O	1			Used	23
100	G61	Contact	O	3			Used	24
LOOP ID - R4					20			25
110	R4	Port or Terminal	M	1			Must use	26
120	DTM	Date/Time Reference	O	15			Used	28
* 130	W09	Equipment and Temperature	O	1				N/A
* 140	H3	Special Handling Instructions	O	6				N/A
* 150	EA	Equipment Attributes	O	5				N/A

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
LOOP ID - LX					999			29
010	LX	Assigned Number	M	1			Must use	30
* 020	N7	Equipment Details	O	1				N/A
* 021	W09	Equipment and Temperature	O	1				N/A
* 030	K1	Remarks	O	10				N/A
040	L0	Line Item - Quantity and Weight	M	1			Must use	31
050	L5	Description, Marks and Numbers	M	1			Must use	36
055	L4	Measurement	O	1			Used	37
* 057	L1	Rate and Charges	O	1				N/A
LOOP ID - H1					99			38
060	H1	Hazardous Material	M	1			Must use	39
070	H2	Additional Hazardous Material Description	O	10			Used	41
080	V1	Vessel Identification	M	2			Must use	42
* 090	V9	Event Detail	O	10				N/A

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
010	SE	Transaction Set Trailer	M	1			Must use	44

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
	GE	Functional Group Trailer	M	1			Must use	45
	IEA	Interchange Control Trailer	M	1			Must use	46

Revision History:

<u>Version Number</u>	<u>Version Date</u>	<u>Change Description</u>
7.0	21May'10	Extend H1 group to accept up to 99 repetitions.
6.3	28Dec'08	1. Added condition for displaying Y405 and Y406. 2. Added 'Z' as valid code for V108. 3. Changed the valid codes for L404. 4. Changed CS Notes for Y301.
3.1	16Mar'07	1. Additional comment for N702 Container Number. 2. Set R402, R403, R404 and R405 to conditional.
3.0	06Mar'07	Changed N7 Equipment Number to AN Type.
2.0	16Aug'06	Revised the presentation of IG.
1.7	30Sep'05	1. Removed extra K1 segment. 2. Add Appendix A - User Reference. 3. Changed Y4 and N9 from Mandatory to Optional.

1.0	12Aug'02	Initial Release
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ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

User Option (Usage): Must use

Purpose: 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	M	ID	2/2	Must use

Description: Code to identify the type of information in the Authorization Information

Code Name

- 00 No Authorization Information Present (No Meaningful Information in I02)
- 01 Authorization Information Present

ISA02	I02	Authorization Information	M	AN	10/10	Must use
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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)

ISA03	I03	Security Information Qualifier	M	ID	2/2	Must use
-------	-----	---------------------------------------	---	----	-----	----------

Description: Code to identify the type of information in the Security Information

Code Name

- 00 No Security Information Present (No Meaningful Information in I04)

ISA04	I04	Security Information	M	AN	10/10	Must use
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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)

ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Must use
-------	-----	---------------------------------	---	----	-----	----------

Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

Code Name

- 01 CargoSmart Qualifier

ISA06	I06	Interchange Sender ID	M	AN	15/15	Must use
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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

Code Name

- CARGOSM CargoSmart Interchange ID
- ART

ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use
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Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

		<u>Code</u>	<u>Name</u>				
		ZZ	Mutually Defined				
ISA08	I07	Interchange Receiver ID		M	AN	15/15	Must use
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							
		<u>Code</u>	<u>Name</u>				
		YOUR_ID	Your Interchange ID				
ISA09	I08	Interchange Date		M	DT	6/6	Must use
Description: Date of the interchange							
ISA10	I09	Interchange Time		M	TM	4/4	Must use
Description: Time of the interchange							
ISA11	I10	Interchange Control Standards Identifier		M	ID	1/1	Must use
Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer							
		<u>Code</u>	<u>Name</u>				
		U	U.S. EDI Community of ASC X12, TDCC, and UCS				
ISA12	I11	Interchange Control Version Number		M	ID	5/5	Must use
Description: Code specifying the version number of the interchange control segments							
		<u>Code</u>	<u>Name</u>				
		00401	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997				
ISA13	I12	Interchange Control Number		M	N0	9/9	Must use
Description: A control number assigned by the interchange sender							
ISA14	I13	Acknowledgment Requested		M	ID	1/1	Must use
Description: Code sent by the sender to request an interchange acknowledgment (TA1)							
		<u>Code</u>	<u>Name</u>				
		0	No Acknowledgment Requested				
		1	Interchange Acknowledgment Requested				
ISA15	I14	Usage Indicator		M	ID	1/1	Must use
Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information							
		<u>Code</u>	<u>Name</u>				
		P	Production Data				
		T	Test Data				
ISA16	I15	Component Element Separator		M		1/1	Must use
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							

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		separator and the segment terminator				

Sample:

```
ISA^00^      ^00^      ^01^CARGOSMART  ^ZZ^YOUR_ID
^071128^1735^U^00401^000020102^0^P^>~
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GS Functional Group Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

User Option (Usage): Must use

Purpose: 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	M	ID	2/2	Must use
Description: Code identifying a group of application related transaction sets						
Code Name						
RO Ocean Booking Information (300, 301,303)						
GS02	142	Application Sender's Code	M	AN	2/15	Must use
Description: Code identifying party sending transmission; codes agreed to by trading partners						
Code Name						
CARGOSM CargoSmart Interchange ID						
ART						
GS03	124	Application Receiver's Code	M	AN	2/15	Must use
Description: Code identifying party receiving transmission; codes agreed to by trading partners						
Code Name						
YOUR_ID Your Interchange ID						
GS04	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD						
GS05	337	Time	M	TM	4/8	Must use
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)						
GS06	28	Group Control Number	M	N0	1/9	Must use
Description: Assigned number originated and maintained by the sender						
GS07	455	Responsible Agency Code	M	ID	1/2	Must use
Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480						
Code Name						
X Accredited Standards Committee X12						
GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12	Must use
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						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		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				

Code Name

004010 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.

Sample:

GS^RO^CARGOSMART^YOUR_ID^20071128^1735^20102^X^004010~

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To indicate the start of a transaction set and to assign a control number

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>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set

Code Name

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ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Semantics:

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).

Sample:

ST*301*72045~

B1 Beginning Segment for Booking or Pick-up/Delivery

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

User Option (Usage): Must use

Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set

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>
B101	140	Standard Carrier Alpha Code	M	ID	2/4	Must use
		Description: Standard Carrier Alpha Code				
B102	145	Shipment Identification Number	M	AN	1/30	Must use
		Description: 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)				
B103	373	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
B104	558	Reservation Action Code	M	ID	1/1	Must use
		Description: Code identifying action on reservation or offering				
		<u>Code</u> <u>Name</u>				
		A Reservation Accepted				
		B Conditional Acceptance				
		D Reservation Cancelled				
		R Delete				
		U Change				

Semantics:

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.

Sample:

*B1*SCAC*BLANK*20071016*U~*

Y3 Space Confirmation

Pos: 040	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 11

User Option (Usage): Must use

Purpose: To specify confirmation information for space booking including numbers, dates, and load time

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>
Y301	13	Booking Number	M	AN	1/17	Must use
Description: Number assigned by the carrier for space reservation						
CS Notes:: If B104 = R, value will be "DECLINE".						
Y302	140	Standard Carrier Alpha Code	O	ID	2/4	Used
Description: Standard Carrier Alpha Code						
Y303	373	Date	O	DT	8/8	Used
Description: Date expressed as CCYYMMDD						
Y304	373	Date	O	DT	8/8	Used
Description: Date expressed as CCYYMMDD						
* Y305	154	Standard Point Location Code	O	ID	6/9	Not used
Description: 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						
* Y306	112	Pier Name	O	AN	2/14	Not used
Description: Free-form name of the pier						
Y307	373	Date	O	DT	8/8	Used
Description: Date expressed as CCYYMMDD						
Y308	337	Time	O	TM	4/8	Used
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)						
* Y309	91	Transportation Method/Type Code	O	ID	1/2	Not used
Description: Code specifying the method or type of transportation for the shipment						
Y310	375	Tariff Service Code	O	ID	2/2	Used
Description: Code specifying the types of services for rating purposes						
Code Name						
DD Door-to-Door						
DP Door-to-Pier						
PD Pier-to-Door						
PP Pier-to-Pier						
* Y311	623	Time Code	O	ID	2/2	Not used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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Description: 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

Semantics:

1. Y303 is the date of departure of the vessel.
2. Y304 is the estimated arrival date at the port of discharge.
3. Y307 is the required pier date.
4. Y308 is the load time.

Comments:

1. If space is available, all of the conditional data elements in segment Y3 are required. If the requested space is not available, Y301 is the booking number 'decline'.

Sample:

Y3^3028924760^SCAC^20071211^20071223^^20071210^1200^^PD~

Loop Container Release

Pos: 050	Repeat: 10
Optional	
Loop: Y4	Elements: N/A

User Option (Usage): Used

Purpose: To transmit information relative to containers available for release

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
050	Y4	Container Release	M	1		Must use
051	W09	Equipment and Temperature	O	1		Used

Y4 Container Release

Pos: 050	Max: 1
Heading - Mandatory	
Loop: Y4	Elements: 10

User Option (Usage): Must use

Purpose: To transmit information relative to containers available for release

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>
Y401	13	Booking Number	O	AN	1/17	Used
		Description: Number assigned by the carrier for space reservation				
* Y402	13	Booking Number	O	AN	1/17	Not used
		Description: Number assigned by the carrier for space reservation				
Y403	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
* Y404	154	Standard Point Location Code	O	ID	6/9	Not used
		Description: 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				
Y405	95	Number of Containers	O	N0	1/4	Used
		Description: Number of shipping containers				
		CS Notes:: <i>Notes: If cargo type is AWK or AWKDG, then this field is optional. For other cargo types, this field is mandatory.</i>				
Y406	24	Equipment Type	O	ID	4/4	Used
		Description: Code identifying equipment type				
		CS Notes:: <i>CS provides ISO standard codes.</i>				
		<i>Notes: If cargo type is AWK or AWKDG, then this field is optional. For other cargo types, this field is mandatory.</i>				
* Y407	140	Standard Carrier Alpha Code	O	ID	2/4	Not used
		Description: Standard Carrier Alpha Code				
Y408	309	Location Qualifier	O	ID	1/2	Used
		Description: Code identifying type of location				
		Code Name				
		CI	City			
		UN	United Nations Location Code (UNLOCODE)			
		ZZ	Mutually Defined			
* Y409	310	Location Identifier	X	AN	1/30	Not used
		Description: Code which identifies a specific location				
Y410	56	Type of Service Code	C	ID	2/2	Used
		Description: Code specifying extent of transportation service requested				
		CS Notes:: <i>This field is optional if B104 = D or booking status is cancelled.</i>				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<u>Code</u> <u>Name</u>				
		02 LCL/LCL				
		03 FCL/FCL				
		04 FCL/LCL				
		05 LCL/FCL				

Semantics:

1. Y403 is the date of container availability for pickup.

Sample:

Y4***20071102**1*4500****05~

W09 Equipment and Temperature

Pos: 051	Max: 1
Heading - Optional	
Loop: Y4	Elements: 9

User Option (Usage): Used

Purpose: To relate equipment type and required temperatures

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>
W0901	40	Equipment Description Code	M	ID	2/2	Must use
		Description: Code identifying type of equipment used for shipment				
		Code Name				
		CZ				Refrigerated Container
W0902	408	Temperature	C	R	1/4	Used
		Description: Temperature				
W0903	355	Unit or Basis for Measurement Code	C	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		Code Name				
		CE				Centigrade, Celsius
		FA				Fahrenheit
* W0904	408	Temperature	C	R	1/4	Not used
		Description: Temperature				
* W0905	355	Unit or Basis for Measurement Code	C	ID	2/2	Not used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
* W0906	3	Free Form Message	O	AN	1/60	Not used
		Description: Free-form text				
W0907	1122	Vent Setting Code	O	ID	1/1	Used
		Description: Code describing the setting on the air vents on ocean-type containers				
		Code Name				
		A				Vent 25% Open
		B				Vent 50% Open
		C				Vent 75% Open
		D				Vent 100% Open
		E				Closed
W0908	488	Percent	O	N0	1/3	Used
		Description: Percent expressed as 0 to 100				
W0909	380	Quantity	O	R	1/15	Used
		Description: Numeric value of quantity				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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Syntax Rules:

1. P0203 - If either W0902 or W0903 is present, then the other is required.

Semantics:

1. W0902 is the minimum allowable temperature condition for shipment; (the qualifying temperature scale is specified in W0903).
2. W0908 is the humidity percentage.
3. W0909 is the number of air exchanges per hour.

N9 Reference Identification

Pos: 054	Max: 100
Heading - Optional	
Loop: N/A	Elements: 7

User Option (Usage): Used

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

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>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use
Description: Code qualifying the Reference Identification						
Code Name						
BM Bill of Lading Number						
BN Booking Number						
CR Customer Reference Number						
CT Contract Number						
E8 Service Contract (Coverage) Number						
FM Federal Maritime Commission (FMC) Forwarders Number						
FN Forwarder's/Agent's Reference Number						
IN Consignee's Invoice Number						
PO Purchase Order Number						
Q1 Quote Number						
RP Repetitive Pattern Code						
SI Shipper's Identifying Number for Shipment (SID)						
SO Shipper's Order (Invoice Number)						
SR Shipper Reference						
TS Tariff Number						
N902	127	Reference Identification	M	AN	1/30	Must use
Description: 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	Not used
Description: Free-form descriptive text						
* N904	373	Date	O	DT	8/8	Not used
Description: Date expressed as CCYYMMDD						
* N905	337	Time	X	TM	4/8	Not used
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)						
* N906	623	Time Code	O	ID	2/2	Not used
Description: 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						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
* N907	C040	Reference Identifier	O	Comp		Not used
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier				
*	128	Reference Identification Qualifier	M	ID	2/3	Not used
		Description: Code qualifying the Reference Identification				
*	127	Reference Identification	M	AN	1/30	Not used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
*	128	Reference Identification Qualifier	X	ID	2/3	Not used
		Description: Code qualifying the Reference Identification				
*	127	Reference Identification	X	AN	1/30	Not used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
*	128	Reference Identification Qualifier	X	ID	2/3	Not used
		Description: Code qualifying the Reference Identification				
*	127	Reference Identification	X	AN	1/30	Not used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Sample:

N9*BN*540600071643~

Loop Name

Pos: 060	Repeat: 4
Optional	
Loop: N1	Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
060	N1	Name	M	1		Must use
080	N3	Address Information	O	2		Used
090	N4	Geographic Location	O	1		Used
100	G61	Contact	O	3		Used

N1 Name

Pos: 060	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 6

User Option (Usage): Must use

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

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>
N101	98	Entity Identifier Code	M	ID	2/3	Must use
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		Code Name				
		BK		Booking Party		
		CN		Consignee		
		FW		Forwarder		
		SH		Shipper		
N102	93	Name	C	AN	1/60	Used
		Description: Free-form name				
N103	66	Identification Code Qualifier	O	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		Code Name				
		25		Carrier's Customer Code		
N104	67	Identification Code	O	AN	2/80	Used
		Description: Code identifying a party or other code				
* N105	706	Entity Relationship Code	O	ID	2/2	Not used
		Description: Code describing entity relationship				
* N106	98	Entity Identifier Code	O	ID	2/3	Not used
		Description: Code identifying an organizational entity, a physical location, property or an individual				

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.

Sample:

*N1*SH*OOCL LOGISTICS (HONG KONG) LIMITED*25*0009038~*

N3 Address Information

Pos: 080	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: To specify the location of the named party

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>
N301	166	Address Information	M	AN	1/55	Must use
		Description: Address information				
N302	166	Address Information	O	AN	1/55	Used
		Description: Address information				

Sample:

N3*11200 EAST FORTY-FIFTH AVE. *DENVER, CO80239, U.S.A.~

N4 Geographic Location

Pos: 090	Max: 1
Heading - Optional	
Loop: N1	Elements: 6

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

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>
N401	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	State or Province Code	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				
* N405	309	Location Qualifier	C	ID	1/2	Not used
		Description: Code identifying type of location				
* N406	310	Location Identifier	O	AN	1/30	Not used
		Description: Code which identifies a specific location				

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.

Sample:

*N4*HOUSTON*TX**US~*

G61 Contact

Pos: 100	Max: 3
Heading - Optional	
Loop: N1	Elements: 5

User Option (Usage): Used

Purpose: To identify a person or office to whom communications should be directed

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>
G6101	366	Contact Function Code	M	ID	2/2	Must use
Description: Code identifying the major duty or responsibility of the person or group named						
Code Name						
BP Booking Party						
CN Consignee						
FW Forwarder						
SH Shipper Contact						
G6102	93	Name	M	AN	1/60	Must use
Description: Free-form name						
G6103	365	Communication Number Qualifier	C	ID	2/2	Used
Description: Code identifying the type of communication number						
Code Name						
EM Electronic Mail						
TE Telephone						
G6104	364	Communication Number	C	AN	1/80	Used
Description: Complete communications number including country or area code when applicable						
* G6105	443	Contact Inquiry Reference	O	AN	1/20	Not used
Description: Additional reference number or description to clarify a contact number						

Syntax Rules:

1. P0304 - If either G6103 or G6104 is present, then the other is required.

Comments:

1. G6103 qualifies G6104.

Sample:

G61*FW*HOLLY*TE*12155747785~

Loop Port or Terminal

Pos: 110	Repeat: 20
Mandatory	
Loop: R4	Elements: N/A

User Option (Usage): Must use

Purpose: Contractual or operational port or point relevant to the movement of the cargo

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
110	R4	Port or Terminal	M	1		Must use
120	DTM	Date/Time Reference	O	15		Used

R4 Port or Terminal

Pos: 110	Max: 1
Heading - Mandatory	
Loop: R4	Elements: 8

User Option (Usage): Must use

Purpose: Contractual or operational port or point relevant to the movement of the cargo

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>
R401	115	Port or Terminal Function Code	M	ID	1/1	Must use
		Description: Code defining function performed at the port or terminal with respect to a shipment				
		Code Name				
		D		Port of Discharge (Operational)		
		E		Place of Delivery (Contractual)		
		L		Port of Loading (Operational)		
		R		Place of Receipt (Contractual)		
R402	309	Location Qualifier	C	ID	1/2	Used
		Description: Code identifying type of location				
		Code Name				
		D		Census Schedule D		
		K		Census Schedule K		
		UN		United Nations Location Code (UNLOCODE)		
R403	310	Location Identifier	C	AN	1/30	Used
		Description: Code which identifies a specific location				
R404	114	Port Name	O	AN	2/24	Used
		Description: Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property				
R405	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				
* R406	174	Terminal Name	O	AN	2/30	Not used
		Description: Free-form field for terminal name				
* R407	113	Pier Number	O	AN	1/4	Not used
		Description: Identifying number for the pier				
R408	156	State or Province Code	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				

Syntax Rules:

1. P0203 - If either R402 or R403 is present, then the other is required.

Comments:

1. R4 is required for each port to be identified.

Sample:

*R4*D*UN*USNYC*NYC-NYC TERM*US~*

DTM Date/Time Reference

Pos: 120	Max: 15
Heading - Optional	
Loop: R4	Elements: 6

User Option (Usage): Used

Purpose: To specify pertinent dates and times

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>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use
Description: Code specifying type of date or time, or both date and time						
		Code Name				
		139 Estimated				
		140 Actual				
DTM02	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD						
DTM03	337	Time	O	TM	4/8	Used
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)						
* DTM04	623	Time Code	O	ID	2/2	Not used
Description: 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						
* DTM05	1250	Date Time Period Format Qualifier	X	ID	2/3	Not used
Description: Code indicating the date format, time format, or date and time format						
* DTM06	1251	Date Time Period	X	AN	1/35	Not used
Description: Expression of a date, a time, or range of dates, times or dates and times						

Sample:

DTM*139*20071129~

Loop Assigned Number

Pos: 010	Repeat: 999
Mandatory	
Loop: LX	Elements: N/A

User Option (Usage): Must use

Purpose: To reference a line number in a transaction set

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	LX	Assigned Number	M	1		Must use
040	L0	Line Item - Quantity and Weight	M	1		Must use
050	L5	Description, Marks and Numbers	M	1		Must use
055	L4	Measurement	O	1		Used
060		Loop H1	O		99	Used

LX Assigned Number

Pos: 010	Max: 1
Detail - Mandatory	
Loop: LX	Elements: 1

User Option (Usage): Must use

Purpose: To reference a line number in a transaction set

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>
LX01	554	Assigned Number	M	N0	1/6	Must use

Description: Number assigned for differentiation within a transaction set

Sample:

LX*1~

L0 Line Item - Quantity and Weight

Pos: 040	Max: 1
Detail - Mandatory	
Loop: LX	Elements: 15

User Option (Usage): Must use

Purpose: To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data

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>
L001	213	Lading Line Item Number	O	N0	1/3	Used
Description: Sequential line number for a lading item						
* L002	220	Billed/Rated-as Quantity	C	R	1/11	Not used
Description: Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81						
* L003	221	Billed/Rated-as Qualifier	C	ID	2/2	Not used
Description: Code identifying the type of quantity or value on which the rate or item pricing is based						
L004	81	Weight	C	R	1/10	Used
Description: Numeric value of weight						
L005	187	Weight Qualifier	C	ID	1/2	Used
Description: Code defining the type of weight						
Code Name						
G Gross Weight						
N Actual Net Weight						
L006	183	Volume	C	R	1/8	Used
Description: Value of volumetric measure						
L007	184	Volume Unit Qualifier	C	ID	1/1	Used
Description: Code identifying the volume unit						
Code Name						
E Cubic Feet						
X Cubic Meters						
L008	80	Lading Quantity	C	N0	1/7	Used
Description: Number of units (pieces) of the lading commodity						
L009	211	Packaging Form Code	C	ID	3/3	Used
Description: Code for packaging form of the lading quantity						
Code Name						
AMM Ammo Pack						
BAG Bag						
BAL Bale						

Code	Name
BBL	Barrel
BDL	Bundle
BEM	Beam
BIC	Bing Chest
BIN	Bin
BKG	Bulk Bag
BLK	Bulk
BOB	Bobbin
BOT	Bottle
BOX	Box
BRG	Barge
BSK	Basket or hamper
BXI	Box, with inner container
BXT	Bucket
CAB	Cabinet
CAG	Cage
CAN	Can
CAR	Carrier
CAS	Case
CBC	Containers of Bulk Cargo
CBY	Carboy
CCS	Can Case
CHE	Cheeses
CHS	Chest
CLD	Car Load, Rail
CNA	Household Goods Containers, Wood
CNB	Container, MAC-ISO (Military Airlift Container - International Standards Organization) Light Weight 8x8x20 Foot Air
CNC	Container, Navy Cargo Transporter
CND	Container, Commercial Highway Lift
CNE	Engine Container
CNF	Multiwall Container Secured to Warehouse Pallet
CNT	Container
CNX	CONEX - Container Express
COL	Coil
CON	Cones
COR	Core
CRD	Cradle
CRT	Crate
CSK	Cask
CTN	Carton
CUB	Cube
CYL	Cylinder
DBK	Dry Bulk
DRK	Double-length Rack
DRM	Drum
DSK	Double-length Skid

<u>Code</u>	<u>Name</u>
DTB	Double-length Tote Bin
DUF	Duffle Bag
ENV	Envelope
FIR	Firkin
FLO	Flo-bin
FLX	Liner Bag Liquid
FRM	Frame
FSK	Flask
FWR	Forward Reel
GOH	Garments on Hangers
HED	Heads of Beef
HGH	Hogshead
HPR	Hamper
HPT	Hopper Truck
HRB	On Hanger or Rack in Boxes
HRK	Half-standard Rack
HTB	Half-Standard Tote Bin
JAR	Jar
JUG	Jug
KEG	Keg
KIT	Kit
KRK	Knockdown Rack
KTB	Knockdown Tote Bin
LBK	Liquid Bulk
LIF	Lifts
LOG	Log
LSE	Loose
LUG	Lug
LVN	Lift Van
MLV	MILVAN - Military Van
MRP	Multi-Roll Pack
MSV	MSCVAN - Military Sealift Command Van
MXD	Mixed Type Pack
NOL	Noil
OVW	Overwrap
PAL	Pail
PCK	Packed - not otherwise specified
PCS	Pieces
PIR	Pims
PKG	Package
PLF	Platform
PLN	Pipeline
PLT	Pallet
POV	Private Vehicle
PRK	Pipe Rack
QTR	Quarter of Beef
RAL	Rail (Semiconductor)

<u>Code</u>	<u>Name</u>
RCK	Rack
REL	Reel
ROL	Roll
RVR	Reverse Reel
SAK	Sack
SBC	Liner Bag Dry
SCS	Suitcase
SHK	Shook
SHT	Sheet
SID	Side of Beef
SKD	Skid
SKE	Skid, elevating or lift truck
SLP	Slip Sheet
SLV	Sleeve
SPI	Spin Cylinders
SPL	Spool
SVN	SEAVAN - Sea Van
TBE	Tube
TBN	Tote Bin
TKR	Tank Car
TKT	Tank Truck
TLD	Intermodal Trailer/Container Load (Rail)
TNK	Tank
TRC	Tierce
TRI	Triwall Box
TRK	Trunk and Chest
TRU	Truck
TRY	Tray
TSS	Trunk, Salesmen Sample
TTC	Tote Can
TUB	Tub
UNP	Unpacked
UNT	Unit
VEH	Vehicles
VPK	Van Pack
WHE	On Own Wheel
WLC	Wheeled Carrier
WRP	Wrapped

* L010	458	Dunnage Description	O	AN	2/25	Not used
		Description: Material used to protect lading				
L011	188	Weight Unit Code	O	ID	1/1	Used
		Description: Code specifying the weight unit				

<u>Code</u>	<u>Name</u>
E	Metric Ton
G	Grams

<u>Code</u>	<u>Name</u>
K	Kilograms
L	Pounds
M	Measurement Ton
O	Ounces
S	Short Ton
T	Long Ton

* L012	56	Type of Service Code	O	ID	2/2	Not used
Description: Code specifying extent of transportation service requested						
* L013	380	Quantity	C	R	1/15	Not used
Description: Numeric value of quantity						
* L014	211	Packaging Form Code	O	ID	3/3	Not used
Description: Code for packaging form of the lading quantity						
* L015	1073	Yes/No Condition or Response Code	C	ID	1/1	Not used
Description: Code indicating a Yes or No condition or response						

Syntax Rules:

1. P0203 - If either L002 or L003 is present, then the other is required.
2. P0405 - If either L004 or L005 is present, then the other is required.
3. P0607 - If either L006 or L007 is present, then the other is required.
4. P0809 - If either L008 or L009 is present, then the other is required.

Semantics:

1. L008 is the number of handling units of the line item tendered to the carrier.

Comments:

- 1.

Sample:

```
L0*2***0*G*****L~
```

L5 Description, Marks and Numbers

Pos: 050	Max: 1
Detail - Mandatory	
Loop: LX	Elements: 10

User Option (Usage): Must use

Purpose: To specify the line item in terms of description, quantity, packaging, and marks and numbers

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>
L501	213	Lading Line Item Number	O	N0	1/3	Used
		Description: Sequential line number for a lading item				
L502	79	Lading Description	M	AN	1/50	Must use
		Description: Description of an item as required for rating and billing purposes				
L503	22	Commodity Code	C	AN	1/30	Used
		Description: Code describing a commodity or group of commodities				
L504	23	Commodity Code Qualifier	C	ID	1/1	Used
		Description: Code identifying the commodity coding system used for Commodity Code				
		Code Name				
		A Harmonized Tariff Schedule of the United States Annotated				
* L505	103	Packaging Code	O	AN	3/5	Not used
		Description: 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				
L506	87	Marks and Numbers	C	AN	1/48	Used
		Description: Marks and numbers used to identify a shipment or parts of a shipment				
* L507	88	Marks and Numbers Qualifier	O	ID	1/2	Not used
		Description: Code specifying the application or source of Marks and Numbers (87)				
* L508	23	Commodity Code Qualifier	C	ID	1/1	Not used
		Description: Code identifying the commodity coding system used for Commodity Code				
* L509	22	Commodity Code	C	AN	1/30	Not used
		Description: Code describing a commodity or group of commodities				
* L510	595	Compartment ID Code	O	ID	1/1	Not used
		Description: Code identifying the compartment in a compartmentalized tank car				

Comments:

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

Sample:

L5*2*MISCELLANEOUS, NOS~

L4 Measurement

Pos: 055	Max: 1
Detail - Optional	
Loop: LX	Elements: 6

User Option (Usage): Used

Purpose: To describe physical dimensions and quantities

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>
L401	82	Length	M	R	1/8	Must use
		Description: Largest horizontal dimension of an object measured when the object is in the upright position				
L402	189	Width	M	R	1/8	Must use
		Description: Shorter measurement of the two horizontal dimensions measured with the object in the upright position				
L403	65	Height	M	R	1/8	Must use
		Description: Vertical dimension of an object measured when the object is in the upright position				
L404	90	Measurement Unit Qualifier	M	ID	1/1	Must use
		Description: Code specifying the linear dimensional unit				
		<u>Code</u> <u>Name</u>				
		E Feet				
		M Meters				
* L405	380	Quantity	O	R	1/15	Not used
		Description: Numeric value of quantity				
* L406	1271	Industry Code	O	AN	1/30	Not used
		Description: Code indicating a code from a specific industry code list				

Loop Hazardous Material

Pos: 060	Repeat: 99
Optional	
Loop: H1	Elements: N/A

User Option (Usage): Used

Purpose: To specify information relative to hazardous material

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
060	H1	Hazardous Material	M	1		Must use
070	H2	Additional Hazardous Material Description	O	10		Used

H1 Hazardous Material

Pos: 060	Max: 1
Detail - Mandatory	
Loop: H1	Elements: 9

User Option (Usage): Must use

Purpose: To specify information relative to hazardous material

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>
H101	62	Hazardous Material Code	O	AN	4/10	Used
		Description: Code relating to hazardous material code qualifier for regulated hazardous materials				
H102	209	Hazardous Material Class Code	O	AN	1/4	Used
		Description: Code specifying the kind of hazard for a material				
H103	208	Hazardous Material Code Qualifier	O	ID	1/1	Used
		Description: Code which qualifies the Hazardous Material Class Code (209)				
		Code Name				
		I Intergovernmental Maritime Organization (IMO) Code				
H104	64	Hazardous Material Description	O	AN	2/30	Used
		Description: Material name, special instructions, and phone number if any				
H105	63	Hazardous Material Contact	O	AN	1/24	Used
		Description: Phone number and name of person or department to contact in case of emergency				
* H106	200	Hazardous Materials Page	O	AN	1/6	Not used
		Description: The United Nations page number as required for the international transport of hazardous materials				
H107	77	Flashpoint Temperature	C	N	1/3	Used
		Description: The flashpoint temperature for hazardous material				
H108	355	Unit or Basis for Measurement Code	C	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		Code Name				
		CE Centigrade, Celsius				
		FA Fahrenheit				
H109	254	Packing Group Code	O	ID	1/3	Used
		Description: Code indicating degree of danger in terms of Roman number I, II or III				
		Code Name				
		I Great danger				
		II Medium danger				
		III Minor danger				

Syntax Rules:

1. P0708 - If either H107 or H108 is present, then the other is required.

Comments:

1. This segment is required when the shipment contains hazardous material.
2. H107 is the lowest temperature for hazardous materials.

Sample:

*H1*1673*6.1*I*PHENYLENEDIAMINES*CHEMTREC****III~*

H2 Additional Hazardous Material Description

Pos: 070	Max: 10
Detail - Optional	
Loop: H1	Elements: 2

User Option (Usage): Used

Purpose: To specify free-form hazardous material descriptive data in addition to the information provided in the H1 segment

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>
H201	64	Hazardous Material Description	M	AN	2/30	Must use
		Description: Material name, special instructions, and phone number if any				
H202	274	Hazardous Material Classification	O	AN	1/30	Used
		Description: Free-form description of hazardous material classification or division or label requirements				

Sample:

H2*PHENYLENEDIAMINES~

V1 Vessel Identification

Pos: 080	Max: 2
Detail - Mandatory	
Loop: N/A	Elements: 9

User Option (Usage): Must use

Purpose: To provide vessel details and voyage number

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>
V101	597	Vessel Code	C	ID	1/8	Used
		Description: Code identifying vessel				
V102	182	Vessel Name	C	AN	2/28	Used
		Description: Name of ship as documented in "Lloyd's Register of Ships"				
* V103	26	Country Code	O	ID	2/3	Not used
		Description: Code identifying the country				
V104	55	Flight/Voyage Number	O	AN	2/10	Used
		Description: Identifying designator for the particular flight or voyage on which the cargo travels				
* V105	140	Standard Carrier Alpha Code	O	ID	2/4	Not used
		Description: Standard Carrier Alpha Code				
* V106	249	Vessel Requirement Code	O	ID	1/1	Not used
		Description: Code specifying options for satisfying vessel requirements				
* V107	854	Vessel Type Code	O	ID	2/2	Not used
		Description: Code to determine type of vessel				
V108	897	Vessel Code Qualifier	C	ID	1/1	Used
		Description: Code specifying vessel code source				
		Code Name				
		L	Lloyd's Register of Shipping			
		Z	Mutually Defined			
* V109	91	Transportation Method/Type Code	O	ID	1/2	Not used
		Description: Code specifying the method or type of transportation for the shipment				

Syntax Rules:

1. R0102 - At least one of V101 or V102 is required.
2. C0801 - If V108 is present, then V101 is required.

Semantics:

- 1.

Sample:

V1*9290529*APL BEIJING**020E*SCAC***L~

SE Transaction Set Trailer

Pos: 010	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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)

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>
SE01	96	Number of Included Segments	M	N0	1/10	Must use
		Description: Total number of segments included in a transaction set including ST and SE segments				
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

Comments:

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

Sample:

SE*21*72046~

GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: 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	M	N0	1/6	Must use
Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element						
GE02	28	Group Control Number	M	N0	1/9	Must use
Description: Assigned number originated and maintained by the sender						

Semantics:

1. 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:

1. 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.

Sample:

GE*1*163232144

IEA Interchange Control Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: 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	M	N0	1/5	Must use
Description: A count of the number of functional groups included in an interchange						
IEA02	I12	Interchange Control Number	M	N0	9/9	Must use
Description: A control number assigned by the interchange sender						

Sample:

*IEA*1*163232144*