

300 4010 (Booking Request) Implementation Guide for Customers

Version: 6.0

Company:

CargoSmart Limited

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300 Reservation (Booking Request) (Ocean)

Functional Group=RO

Purpose: 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.

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			Not Used	N/A
* 030	Y6	Authentication	O	2			Not Used	N/A
* 040	Y7	Priority	O	1			Not Used	N/A
050	Y1	Space Reservation Request	M	1			Must use	11
LOOP ID - Y2				<u>10</u>				13
060	Y2	Container Details	M	1			Must use	14
* 065	W09	Equipment and Temperature	O	1			Not Used	N/A
069	N9	Reference Identification	M	99			Must use	16
* 070	R2A	Route Information with Preference	O	25			Not Used	N/A
LOOP ID - N1				<u>10</u>				18
080	N1	Name	M	1			Must use	19
* 090	N2	Additional Name Information	O	1			Not Used	N/A
100	N3	Address Information	O	2			Used	21
110	N4	Geographic Location	O	1			Used	22
120	G61	Contact	O	3			Used	23
LOOP ID - R4				<u>20</u>				24
130	R4	Port or Terminal	M	1			Must use	25
140	DTM	Date/Time Reference	O	15			Used	27
* 150	W09	Equipment and Temperature	O	1			Not Used	N/A
160	H3	Special Handling Instructions	O	2			Used	28
* 170	EA	Equipment Attributes	O	5			Not Used	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			Not Used	N/A
021	W09	Equipment and Temperature	O	1			Used	31
* 030	DTM	Date/Time Reference	O	1			Not Used	N/A
040	L0	Line Item - Quantity and Weight	M	1			Must use	33
050	L5	Description, Marks and Numbers	M	1			Must use	38
060	L4	Measurement	O	1			Used	39
* 065	L1	Rate and Charges	O	1			Not Used	N/A
LOOP ID - H1					99			40
070	H1	Hazardous Material	M	1			Must use	41
080	H2	Additional Hazardous Material Description	O	10			Used	43
090	V1	Vessel Identification	O	2			Used	44
* 100	V9	Event Detail	O	10			Not Used	N/A
110	K1	Remarks	O	2			Used	46

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	47

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	48
	IEA	Interchange Control Trailer	M	1			Must use	49

Revision History:

<i>Version Number</i>	<i>Version Date</i>	<i>Change Description</i>
6.0	25May'09	Extend H1 to accept up to 99 repetitions
5.0	27Jul'09	Change Identification Code Qualifier and Identification Code to optional in N1 segment.
4.0	07May'09	Remove 'T', add 'E' to support Metric Ton in L011
3.0	26Sep'08	Add action type for cancellation.
2.2	16Mar'07	Additional comment for N702 container number. Set R402, R403, R404 and R405 to conditional
2.1	06Mar'07	Changed N7 Equipment Number to AN Type
2.0	16Aug'06	Revised the presentation of IG.
1.3	23Mar'03	Version with refined contents, revised presentation and corrected typo errors of previous versions.

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
-------	-----	----------------------------------	---	----	-------	----------

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

- ZZ Mutually Defined

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

- YOUR_ID Your Interchange ID

ISA07	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

		<u>Code</u>	<u>Name</u>				
		01	CargoSmart Qualifier				
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>				
		CARGOSM ART	CargoSmart 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* *ZZ*YOUR_ID *01*CARGOSMART *070530*1107*U*00401*000000123*0*P*~

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						
YOUR_ID Your Functional ID						
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						
CARGOSM CargoSmart Functional ID ART						
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*YOUR_ID*CARGOSMART*20070530*1107*123*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*300*1230001*

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	O	AN	1/30	Used
		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: Booking request 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>				
		D Canceled/Withdrawn				
		N New				
		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*11000200*20070530*N*

Y1 Space Reservation Request

Pos: 050	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 9

User Option (Usage): Must use

Purpose: To specify information used to make a reservation for space on an ocean vessel

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>
Y101	135	Sailing Date Estimated	O	DT	8/8	Used
		Description: Date of vessel sailing "C estimated, expressed as CCYYMMDD				
Y102	373	Estimated Arrival Date	O	DT	8/8	Used
		Description: Date shipment will be available for pickup at destination, expressed as CCYYMMDD				
Y103	140	Standard Carrier Alpha Code	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
* Y104	91	Transportation Method/Type Code	O	ID	1/2	Not used
		Description: Code specifying the method or type of transportation for the shipment				
Y105	98	Entity Identifier Code	O	ID	2/3	Used
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		Code Name				
		CN	Consignee			
		CZ	Shipper			
		FW	Forwarder			
* Y106	19	City Name	O	AN	2/30	Not used
		Description: Free-form text for city name				
* Y107	156	State or Province Code	O	ID	2/2	Not used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
Y108	375	Tariff Service Code	M	ID	2/2	Must use
		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			
* Y109	374	Date/Time Qualifier	X	ID	3/3	Not used
		Description: Code specifying type of date or time, or both date and time				

Semantics:

1. Y102 is the date the shipment for which space reservation is requested to be available at the origin.

Sample:

*Y1*20070606*20070529*SCAC*O*SH*WINDSOR**DP*018*

Loop Container Details

Pos: 060	Repeat: 10
Mandatory	
Loop: Y2	Elements: N/A

User Option (Usage): Must use

Purpose: To specify container information and transportation service to be used

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	Y2	Container Details	M	1		Must use

Y2 Container Details

Pos: 060	Max: 1
Heading - Mandatory	
Loop: Y2	Elements: 10

User Option (Usage): Must use

Purpose: To specify container information and transportation service to be used

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>
Y201	95	Number of Containers	M	N0	1/4	Must use
		Description: Number of shipping containers				
Y202	78	Container Type Request Code	O	ID	1/1	Used
		Description: Code indicating type of container equipment requested				
		Code	Name			
		C	Carrier supplied equipment			
		S	Shipper supplied equipment			
Y203	56	Type of Service Code	O	ID	2/2	Used
		Description: Code specifying extent of transportation service requested				
		Code	Name			
		HH	House-to-house			
		HP	House-to-pier			
		PH	Pier-to-house			
		PP	Pier-to-pier			
Y204	24	Equipment Type	M	ID	4/4	Must use
		Description: Code identifying equipment type				
		CS Notes: Please provide ISO container size and types.				
* Y205	91	Transportation Method/Type Code	O	ID	1/2	Not used
		Description: Code specifying the method or type of transportation for the shipment				
* Y206	177	Intermodal Service Code	O	ID	1/2	Not used
		Description: Code identifying the Intermodal Service Plan				
* Y207	140	Standard Carrier Alpha Code	O	ID	2/4	Not used
		Description: Standard Carrier Alpha Code				
* Y208	464	Container Terms Code	O	ID	3/3	Not used
		Description: Code indicating origin and destination of transportation and type of container				
* Y209	465	Container Terms Code Qualifier	O	ID	1/1	Not used
		Description: Code indicating container terms reference				
* Y210	466	Total Stopoffs	O	N0	1/2	Not used
		Description: Total number of stopoffs specified for a shipment				

Sample:

Y2*1*C*HP*4332

N9 Reference Identification

Pos: 069	Max: 99
Heading - Mandatory	
Loop: N/A	Elements: 7

User Option (Usage): Must use

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						
CG Consignee's Order Number						
CR Customer Reference Number						
CT Contract Number						
FN Forwarder's/Agent's Reference Number						
IV Seller's Invoice Number						
PO Purchase Order Number						
SI Shipper's Identifying Number for Shipment (SID)						
WH Master Reference (Link) Number						
ZH Carrier Assigned Reference 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	O	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	O	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						
* 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						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
*	128	Reference Identification Qualifier	O	ID	2/3	Not used
		Description: Code qualifying the Reference Identification				
*	127	Reference Identification	O	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	O	ID	2/3	Not used
		Description: Code qualifying the Reference Identification				
*	127	Reference Identification	O	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	O	ID	2/3	Not used
		Description: Code qualifying the Reference Identification				
*	127	Reference Identification	O	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*14254910*

Loop Name

Pos: 080	Repeat: 10
Mandatory	
Loop: N1	Elements: N/A

User Option (Usage): Must use

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>
080	N1	Name	M	1		Must use
100	N3	Address Information	O	2		Used
110	N4	Geographic Location	O	1		Used
120	G61	Contact	O	3		Used

N1 Name

Pos: 080	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
		CZ				Shipper
		FW				Forwarder
		N1				Notify Party no. 1
		N2				Notify Party no. 2
N102	93	Name	M	AN	1/60	Must use
		Description: Free-form name				
N103	66	Identification Code Qualifier	M	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	M	AN	2/80	Used
		Description: Code identifying a party or other code				
		CS Notes: If N103 = 25, CS will only get the first 10 characters of N104 as customer code. CS will also switch lower case character to upper case when saving the customer 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				

Syntax Rules:

1. P0304 - If either N103 or N104 is present, then the other is required.

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.

Sample:

*N1*SH*CARESTREAM HEALTH, INC.*ZZ*4599*

N3 Address Information

Pos: 100	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*2000 HOWARD SMITH AVE. WEST*

N4 Geographic Location

Pos: 110	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	Used
		Description: Code identifying type of location				
		<u>Code</u> <u>Name</u>				
		D				Census Schedule D
		K				Census Schedule K
		UN				United Nations Location Code (UNLOCODE)
		ZZ				Mutually Defined
N406	310	Location Identifier	C	AN	1/30	Used
		Description: Code which identifies a specific location				

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

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*GREELEY*CO*80634*US

G61 Contact

Pos: 120	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						
BK Booking Party						
CN Consignee						
CZ Shipper						
FW Forwarder						
N1 First Notify Party						
N2 Second Notify Party						
G6102	93	Name	M	AN	1/60	Must use
Description: Free-form name						
CS Notes: If a person's name is provided, the format is: firstName; lastName. CS will only use first 35 characters of this field.						
G6103	365	Communication Number Qualifier	C	ID	2/2	Used
Description: Code identifying the type of communication number						
Code Name						
EM Electronic Mail						
FX Facsimile						
TE Telephone						
G6104	364	Communication Number	C	AN	1/80	Used
Description: Complete communications number including country or area code when applicable						
CS Notes: If G6103 = TE, CS will only use the first 30 characters of this field. If G6103 = EM, CS will only use the first 60 characters of this field.						
* 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*IC*CORINNE TEPLY*TE*215-629-8460

Loop Port or Terminal

Pos: 130	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>
130	R4	Port or Terminal	M	1		Must use
140	DTM	Date/Time Reference	O	15		Used

R4 Port or Terminal

Pos: 130	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
E	Place of Delivery
L	Port of Loading
R	Place of Receipt

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	Used
------	-----	----------------------	---	----	------	------

Description: Free-form field for terminal name

R407	113	Pier Number	O	AN	1/4	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.

CS Notes:

*POD and POL are mandatory for all scenarios. Place of Delivery and Receipt are optional for some cases.
If R402 and R403 are not available, CS would check for R404 and R405 to get the location.*

Sample:

*R4*D*K*57069*XIAMEN CHINA*

DTM Date/Time Reference

Pos: 140	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						
DTM02	373	Date	C	DT	8/8	Used
Description: Date expressed as CCYYMMDD						
DTM03	337	Time	C	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	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	C	ID	2/3	Used
Description: Code indicating the date format, time format, or date and time format						
DTM06	1251	Date Time Period	C	AN	1/35	Used
Description: Expression of a date, a time, or range of dates, times or dates and times						

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.

H3 Special Handling Instructions

Pos: 160	Max: 2
Heading - Optional	
Loop: N/A	Elements: 5

User Option (Usage): Used

Purpose: To specify special handling instructions in coded or free-form format

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>
H301	152	Special Handling Code	M	ID	2/3	Must use
Description: Code specifying special transportation handling instructions						
Code Name						
EW Excessive Weight						
DFF Door Off						
NPT No Partial						
OFU Fumigation Required						
OOB Cargo on Board Certification Required						
OOD On Deck Stowage						
OSB Stow Below Deck						
OST Stow Between Decks						
OTC Temperature Control						
H302	153	Special Handling Description	O	AN	2/30	Used
Description: Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate						
* H303	241	Protective Service Code	O	ID	1/4	Not used
Description: Code specifying perishable protective service- rail carriers only						
* H304	242	Vent Instruction Code	O	ID	1/7	Not used
Description: Code specifying vent instructions						
* H305	257	Tariff Application Code	O	ID	1/1	Not used
Description: Code indicating to which traffic a tariff applies						

Sample:

H3**SLI:Shipper: The Lubrizol Corp

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
021	W09	Equipment and Temperature	O	1		Used
040	L0	Line Item - Quantity and Weight	M	1		Must use
050	L5	Description, Marks and Numbers	M	1		Must use
060	L4	Measurement	O	1		Used
070		Loop H1	C		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*0

W09 Equipment and Temperature

Pos: 021	Max: 1
Detail - Optional	
Loop: LX	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	O	ID	2/2	Used
Description: Code identifying type of equipment used for shipment						
Code Name						
CJ Container, Insulated/Ventilated						
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	X	R	1/4	Not used
Description: Temperature						
* W0905	355	Unit or Basis for Measurement Code	X	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	Not used
Description: Percent expressed as 0 to 100						
* W0909	380	Quantity	O	R	1/15	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: Numeric value of quantity

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).

Sample:

*W09*CZ*50*FA****E**0*

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	O	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	O	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	Must use
		Description: Numeric value of weight				
L005	187	Weight Qualifier	C	ID	1/2	Must use
		Description: Code defining the type of weight				
		<u>Code</u>	<u>Name</u>			
		G	Gross Weight			
		N	Actual Net Weight			
L006	183	Volume	C	R	1/8	Not used
		Description: Value of volumetric measure				
L007	184	Volume Unit Qualifier	C	ID	1/1	Not used
		Description: Code identifying the volume unit				
		<u>Code</u>	<u>Name</u>			
		E	Cubic Feet			
		X	Cubic Meters			
L008	80	Lading Quantity	O	N0	1/7	Used
		Description: Number of units (pieces) of the lading commodity				
L009	211	Packaging Form Code	O	ID	3/3	Used
		Description: Code for packaging form of the lading quantity				
		<u>Code</u>	<u>Name</u>			
		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	M	ID	1/1	Must use
		Description: Code specifying the weight unit				

<u>Code</u>	<u>Name</u>
E	Metric Ton
K	Kilograms

		<u>Code</u>	<u>Name</u>				
		L	Pounds				
* 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. P0405 - If either L004 or L005 is present, then the other is required.
2. P0607 - If either L006 or L007 is present, then the other is required.
3. P0809 - If either L008 or L009 is present, then the other is required.
4. C1104 - If L011 is present, then L004 is required.

Semantics:

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

Sample:

*L0*0***17606.034*G*24.885*X*7*PCS**K*HP*

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	NO	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	O	AN	1/30	Not used
		Description: Code describing a commodity or group of commodities				
* L504	23	Commodity Code Qualifier	O	ID	1/1	Not used
		Description: Code identifying the commodity coding system used for Commodity Code				
* 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	O	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				

Syntax Rules:

1. P0304 - If either L503 or L504 is present, then the other is required.

Comments:

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

Sample:

L5*0*PHOTOGRAPHIC MATERIALS AND RELATED ARTICLES

L4 Measurement

Pos: 060	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>			
		C	Centimeters			
		N	Inches			
L405	380	Quantity	O	R	1/15	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				

Sample:

L4*1*1*1*X*7*PALLETS

Loop Hazardous Material

Pos: 070	Repeat: 99
Conditional	
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>
070	H1	Hazardous Material	M	1		Must use
080	H2	Additional Hazardous Material Description	O	10		Used

CS Notes:

H1 should be provided if cargo nature = DG.

Some carriers can only accept up to 10 DG items.

H1 Hazardous Material

Pos: 070	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	M	AN	4/10	Must use
		Description: Code relating to hazardous material code qualifier for regulated hazardous materials				
H102	209	Hazardous Material Class Code	M	AN	1/4	Must use
		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)				
		<u>Code</u>	<u>Name</u>			
		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	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				
		<u>Code</u>	<u>Name</u>			
		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				
		<u>Code</u>	<u>Name</u>			
		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*UN3082*9**Lubricant Additive Composition*1 800 424 9300 CHEMTREC**110*CE*III*

H2 Additional Hazardous Material Description

Pos: 080	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				

CS Notes:

H2*IMDG:(UN3082 Environmentally h*azardous substance, liquid, n.

V1 Vessel Identification

Pos: 090	Max: 2
Detail - Optional	
Loop: N/A	Elements: 9

User Option (Usage): Used

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	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	O	ID	1/1	Used
		Description: Code specifying vessel code source				
		Code	Name			
		C	Ship's Radio Call Signal			
		L	Lloyd's Register of Shipping			
* 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. V103 is the code identifying the country in which the ship (vessel) is registered.
2. V105 identifies the ocean carrier.

Sample:

V1**OOCL NINGBO*HK*29W22*OOLU

K1 Remarks

Pos: 110	Max: 2
Detail - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To transmit information in a free-form format for comment or special instruction

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>
K101	61	Free-Form Message	M	AN	1/30	Must use
		Description: Free-form information				
K102	61	Free-Form Message	M	AN	1/30	Must use
		Description: Free-form information				

Sample:

*K1*ORIGINAL BILL%*

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*52*163232144

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*