315 Status Details (Ocean) 4010 Implementation Guide for Customers

Version: 4.0

Company: **CargoSmart Limited**

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315 Status Details (Ocean)

Functional Group=QO

Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Status Details (Ocean) Transaction Set (315) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide all the information necessary to report status or event details for selected shipments or containers. It is intended to accommodate the details for one status or event associated with many shipments or containers, as well as more than one status or event for one shipment or container.

Heading:

	Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage	Page
		ISA	Interchange Control Header	M	1			Must use	4
		GS	Functional Group Header	M	1			Must use	7
	010	ST	Transaction Set Header	M	1			Must use	9
	020	B4	Beginning Segment for Inquiry or Reply	M	1			Must use	10
	030	N9	Reference Identification	O	30			Used	13
	040	Q2	Status Details (Ocean)	O	1			Used	15
*	050	SG	Shipment Status	O	15			Not Used	N/A

Detail:

	Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage	Page
	LOOP ID - R4					**20**			17
	060	R4	Port or Terminal	M	1			Must use	18
	070	DTM	Date/Time Reference	O	15			Used	20
*	080	V9	Event Detail	O	10			Not Used	N/A

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage	Page
090	SE	Transaction Set Trailer	M	1			Must use	21
	GE	Functional Group Trailer	M	1			Must use	22
	IEA	Interchange Control Trailer	M	1			Must use	23

Conventions:

*1. The segment hierarchy lists all the segments of ASC X 12 standard. Segments which are not used by CargoSmart are indicated with * sign. CS will not send in them.*

2. A detailed description of each segment is listed with the segment ID and name, level (header, detail, or summary), loop (if the segment is contained within a loop), loop repeat (for the first segment in the loop), requirement within the transaction set (as required by CS), maximum use, purpose (as defined by ASC X12), ASC X12 syntax notes, ASC X12 comments for segment usage, notes that explain CS convention for the segment within the transaction set and a valid sample of that segment.

3. The data element summary lists each data element, in order, for the segment. The data element summary includes the following types of information:

- ***Ref** - This is the segment identifier with the data element sequence number within the segment.*
- ***Id** - This is the number assigned to the data element by ASC X12. This number may be used for direct reference into the ASC X12 Data Element Dictionary*
- ***Element Name** - This is the name assigned to the data element by ASC X12, in the ASC X12 Data Element Dictionary.*

- ***Req*** *- Element Usage based on ASC X12 standard and CS requirement. Below are the values used:*
  - *M Mandatory The data element must be used if the segment is used.*
  - *O Optional The data element may be used if the segment is used.*
  - *C Conditional The data element may be used - its presence is dependent on the presence or absence of other data elements in the same segment. The particular condition/relation will be stated in the CS Notes section for that segment.*
- ***Type*** *- Element Type based on ASC X12 standard and CS requirement.Below are the values used:*
  - ***ID (Identifier)*** *Values for the identifier-type data elements are taken from a predefined list in the ASC X12 Data Element Dictionary.*
  - ***AN (String)*** *Values for the string-type data element are a sequence of any printable characters.*
  - ***DT (Date)*** *Values for the date-type data element are in the format YYMMDD.*
  - ***TM (Time)*** *Values for a time-type data element are in the format HHMM expressed in 24 hour clock.*
  - ***Nx (Numeric)*** *Values for a numeric data element are in an implied decimal format,where "x" indicates the number of places to the right of the decimal point. For negative values the leading minus sign (-) is used. Absence of a minus sign indicates a positive number. The decimal point is not transmitted in the character stream. e.g., N0 is a whole number (999), to send the number 999, the field contains "999"; N2 is 999.99, to send the number 999.99, the field contains "999.99"*
  - ***R (Decimal)*** *This is a numeric field in character format, with a decimal point included. It is treated as alpha/numeric. The decimal point is not sent for whole numbers. The decimal point is not included in the calculation of data element field length. For negative values the leading minus sign(-) is used. Absence of a minus sign indicates a positive number. e.g., to send the number 0128.734 the field contains "128.734"; to send the number 0789.00 the field contains "789"*
- ***Minimum/Maximum*** *- This is the minimum and maximum length the field can be.*
- ***Usage*** *- Element Usage based on CS mapping. Below are values used:*
  - ***Must Use*** *CS is mapping this data element to a mandatory field in internal files and CS DB. Unavailability of this element will lead to CS failure.*
  - ***Used*** *CS may map this data element but unavailability will not cause failure.*
  - ***Not Used*** *CS is not mapping this data element to internal files and data is not extracted/loaded to CS DB.*
- ***Code values*** *- CS supported values for each element.*

Revision History:

Ver. No	*Ver. Date*	*Revised By*	*Description of change(s)*
4.0	*20Sep'07*	*CargoSmart Integration Team*	*1. add CI/UN/K/D to B412, pair B411 and B412, and marks B406 'Not Used'.* *2. re-format IG including add comment and sample for each segment. List all segments in standard, but mark 'Not Used' if it is not used by CS.*
3.2	*16Mar'07*	*CargoSmart Integration Team*	*Set DTM03 to optional*
3.1	*06Sep'06*	*CargoSmart Integration Team*	*Add SCA to N9 segment to indicate shipment carrier*
3.0	*10Aug'06*	*CargoSmart Integration Team*	*Revised presentation format*
2.0	*14Apr'06*	*CargoSmart Integration Team*	*Removed status codes from B4 segment, added Appendix A*
1.9	*22Nov'05*	*CargoSmart Integration*	*Added notes to Q201*

		Team	*Element definition*
1.8	*04Nov'05*	*CargoSmart Integration Team*	*Re-ordered Shipment Status Codes in chronological order*
1.7	*30Sep'05*	*CargoSmart Integration Team*	*Add Appendix A - User Reference*
1.3	*24Mar'03*	*CargoSmart Integration Team*	*Version with refined contents and revised presentation. Changed description of B406, B411 & B412.*
1.0	*12Aug'02*	*CargoSmart Integration Team*	*Initial Release*

ISA Interchange Control Header

Pos:	Max: 1
Heading - 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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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
		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
		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 CARGOSMART CargoSmart 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				

Code	Name
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

Code	Name
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

Code	Name
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

Code	Name
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)

Code	Name
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

Code	Name
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

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

Sample:

*ISA*00* *00* *01*CARGOSMART *ZZ*YOUR_ID *070627*1817*U*00401*000000208*0*P*`~*

GS Functional Group Header

Pos:	Max: 1
Heading - 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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS01	479	**Functional Identifier Code**	M	ID	2/2	Must use
		Description: Code identifying a group of application related transaction sets **Code** **Name** QO Ocean Shipment Status Information (313, 315)				
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** CARGOSMART CargoSmart Interchange 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** 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				

Ref	Id	Element Name	Req	Type	Min/Max	Usage

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*QO*CARGOSMART*YOUR_ID*20070627*1817*208*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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use
		Description: Code uniquely identifying a Transaction Set				
		Code Name 315 Status Details (Ocean)				
ST02	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				

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*315*2080001~*

B4 Beginning Segment for Inquiry or Reply

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 13

User Option (Usage): Must use

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

Element Summary:

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
*	B401	152	**Special Handling Code**	O	ID	2/3	Not used
			Description: Code specifying special transportation handling instructions				
*	B402	71	**Inquiry Request Number**	O	N0	1/3	Not used
			Description: Identifying number assigned by inquirer				
	B403	157	**Shipment Status Code**	O	ID	1/2	Used
			Description: Code indicating the status of a shipment				

Code	Name
D	Actual Door Delivery
I	Arrival at First Port of Load
AE	Loaded on Board at First Port of Load
AF	Actual Door Pickup
AL	First Loaded on Rail Under Outbound
AM	Loaded on Truck
AR	Arrival at Last Intermodal Hub
CR	Carrier Released
CT	Customs Released
CU	Carrier and Customs Released
EE	Empty Container Picked Up
NO	Freight Charges Settled
OA	Full Container Received by Carrier at Origin
PA	Customs Hold
RD	Empty Container Returned to Carrier at Destination
RL	Departure from First Intermodal Hub
UR	Last Deramp Under Inbound
UV	Discharged from Vessel at Last Port of Discharge
VA	Last Vessel Arrival
VD	First Vessel Departure
W1	Gate Out Full at Inland Terminal
W2	Gate In Full at Inland Terminal
W3	Equipment Delayed due to Transportation
W4	Arrived at facility
W5	Departed from facility
W6	Loaded at Port
W7	Vessel Arrival at Port
W8	Discharged from Vessel at Port of Discharge
X1	Full container received by carrier

Code	Name
X2	Vessel Departure
X3	Container Repacked
X4	Container Vanned at Origin
X5	Container Devanned at Origin
X6	Container Vanned at Destination
X7	Container Devanned at Destination
X8	Container Transferred
X9	Carrier Held
Y1	Container Available
Y2	Arrival at Intermodal Hub by Rail
Y3	Loaded on Rail
Y4	Rail Move
Y5	Loaded
Y7	Discharged
Y9	Container Picked up from Port of Discharge/Transhipment Port
Z1	Last Deramp under Outbound
Z2	Transhipment Vessel Arrival
Z3	Loaded at Port of Transhipment
Z4	Discharged at Port of Transhipment
Z5	Transhipment Vessel Departure
Z6	Intermodal Departure from Last Port of Discharge
Z7	First Loaded on Rail Under Inbound
Z8	Picked up at Final Destination for Delivery

	B404	373	**Date**	O	DT	8/8	Must use
			Description: Date expressed as CCYYMMDD				
	B405	161	**Status Time**	O	TM	4/4	Must use
			Description: Time (HHMM) of last reported status of cargo				
*	B406	159	**Status Location**	O	AN	3/5	Not used
			Description: Air shipment: Airport code for last reported status for a shipment; (Note: If the shipment is in-flight, the status location is the origin airport for this flight) Ground transportation: Code of carrier's terminal				
	B407	206	**Equipment Initial**	X	AN	1/4	Used
			Description: Prefix or alphabetic part of an equipment unit's identifying number				
	B408	207	**Equipment Number**	X	AN	1/10	Used
			Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)				
	B409	578	**Equipment Status Code**	O	ID	1/2	Used
			Description: Code indicating status of equipment				

Code	Name
E	Empty
L	Load

	B410	24	**Equipment Type**	O	ID	4/4	Used

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		Description: Code identifying equipment type				
B411	310	**Location Identifier**	X	AN	1/30	Used
		Description: Code which identifies a specific location				
B412	309	**Location Qualifier**	X	ID	1/2	Used
		Description: Code identifying type of location				
		Code **Name** D Census Schedule D K Census Schedule K CI City UN United Nations Location Code (UNLOCODE)				
B413	761	**Equipment Number Check Digit**	O	N0	1/1	Used
		Description: Number which designates the check digit applied to a piece of equipment				

Syntax Rules:

1. P0708 - If either B407 or B408 is present, then the other is required.
2. P1112 - If either B411 or B412 is present, then the other is required.

Semantics:

1. B404 is the date of last reported status of cargo.

Sample:

*B4***Z8*20070625*1759**MLCU*505050*L*42G1*USJEC*UN*1~*

N9 Reference Identification

Pos: 030	Max: 30
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:

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
	N901	128	**Reference Identification Qualifier**	M	ID	2/3	Must use
			Description: Code qualifying the Reference Identification				
			Code Name 4E Carrier-assigned Consignee Number 4F Carrier-assigned Shipper Number 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 AAO Carrier Assigned Code SCA Standard Carrier Alpha Code (SCAC)				
	N902	127	**Reference Identification**	X	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

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
			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				
*		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				

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

Semantics:

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

Sample:

*N9*BN*1234567890~*
*N9*BM*1234567890~*
*N9*E8*PE063567~*
*N9*SCA*OOLU~*

Q2 Status Details (Ocean)

Pos: 040	Max: 1
Heading - Optional	
Loop: N/A	Elements: 16

User Option (Usage): Used

Purpose: To transmit identifying information relative to identification of vessel, transportation dates, lading quantity, weight, and cube

Element Summary:

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
	Q201	597	**Vessel Code**	O	ID	1/8	Used
			Description: Code identifying vessel				
			CS Note: *Vessel Code with either be the vessels Lloyd's number or its radio call signal (ref: Q212 to identify which).* *The Lloyd's number is 7 characters maximum.* *The ship's radio call signal is 5 characters maximum.*				
	Q202	26	**Country Code**	O	ID	2/3	Used
			Description: Code identifying the country				
*	Q203	373	**Date**	O	DT	8/8	Not used
			Description: Date expressed as CCYYMMDD				
	Q204	373	**Date**	O	DT	8/8	Used
			Description: Date expressed as CCYYMMDD				
			CS Note: *Scheduled Sailing Date*				
	Q205	373	**Date**	O	DT	8/8	Used
			Description: Date expressed as CCYYMMDD				
			CS Note: *Scheduled Discharge Date*				
	Q206	80	**Lading Quantity**	O	N0	1/7	Used
			Description: Number of units (pieces) of the lading commodity				
*	Q207	81	**Weight**	X	R	1/10	Not used
			Description: Numeric value of weight				
*	Q208	187	**Weight Qualifier**	X	ID	1/2	Not used
			Description: Code defining the type of weight				
	Q209	55	**Flight/Voyage Number**	O	AN	2/10	Used
			Description: Identifying designator for the particular flight or voyage on which the cargo travels				
*	Q210	128	**Reference Identification Qualifier**	O	ID	2/3	Not used
			Description: Code qualifying the Reference Identification				

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
*	Q211	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				
	Q212	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				
	Q213	182	**Vessel Name**	O	AN	2/28	Used
			Description: Name of ship as documented in "Lloyd's Register of Ships"				
*	Q214	183	**Volume**	X	R	1/8	Not used
			Description: Value of volumetric measure				
*	Q215	184	**Volume Unit Qualifier**	X	ID	1/1	Not used
			Description: Code identifying the volume unit				
*	Q216	188	**Weight Unit Code**	X	ID	1/1	Not used
			Description: Code specifying the weight unit				

Syntax Rules:

1. P070816 - If either Q207, Q208 or Q216 are present, then the others are required.
2. C1011 - If Q210 is present, then Q211 is required.
3. P1415 - If either Q214 or Q215 is present, then the other is required.
4. C0112 - If Q201 is present, then Q212 is required.

Semantics:

1. Q202 is the code identifying the country in which the ship (vessel) is registered.
2. Q203 is the required pier date.
3. Q204 is the date of departure of the vessel.
4. Q205 is the date the shipment was unloaded from the vessel.

Sample:

*Q2*9108166**********L*OOCL HONG KONG~*

Loop Port or Terminal

Pos: 060	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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
060	R4	Port or Terminal	M	1		Must use
070	DTM	Date/Time Reference	O	15		Used

Sample:

*R4*R*UN*CNYTN*Yantian*CN~*
*DTM*140*20070524*1902~*
*R4*L*UN*CNYTN*Yantian*CN~*
*DTM*140*20070528*0140~*
*R4*D*UN*USSEA*Seattle*US***WA~*
*DTM*140*20070613*0118~*
*R4*E*UN*USEAJ*Eatontown*US***NJ~*

R4 Port or Terminal

Pos: 060	Max: 1
Detail - 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:

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
	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**	X	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) ZZ Mutually Defined				
	R403	310	**Location Identifier**	X	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.

CS Note:

If R402 and R403 are not provided, R404 is required.

Sample:

*R4*R*UN*CNYTN*Yantian*CN~*

DTM Date/Time Reference

Pos: 070	Max: 15
Detail - Optional	
Loop: R4	Elements: 6

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

	Ref	Id	Element Name	Req	Type	Min/Max	Usage
	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**	X	DT	8/8	Used
			Description: Date expressed as CCYYMMDD				
	DTM03	337	**Time**	X	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)				
			CS Note: *Only HHMM is used.*				
*	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				

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

Sample:

*DTM*140*20070524*1902~*

SE Transaction Set Trailer

Pos: 090	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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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*15*2080001~*

GE Functional Group Trailer

Pos:	Max: 1
Summary - 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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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*208~*

IEA Interchange Control Trailer

Pos:	Max: 1
Summary - 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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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*000000208~*