

# TMC

A DIVISION OF  
C.H. ROBINSON

## **315 Status Details (Ocean/Air)**

X12/V4010/315 : 315 Status Details (Ocean/Air)

**Version: 1.4**

Publication: 2/17/2022

# Notes

## v1.4 Changes:

- Removed B403 Event records that are not required. (2/17/22)
- Added N9 Record for SCA.
- Added Ocean/Air required notes for B403.

## v1.2 Changes:

Modified B4,N9, DTM required usage

### Header-level B4 segment:

- Added user notes to B411

### Header-level Q2 segment:

- Added user notes to Q2 dates
- Modified usage

### Header-level SG segment:

- SG02

### Header-level N9 segment:

- Modified N9\*AG usage notes
- Added N9\*CN usage notes
- Added N9\*MO

### Header-level R4 segment:

- Removed R401 value: 5

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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.

## 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>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

## 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>
010	ST	Transaction Set Header	M	1			Must use
020	B4	Beginning Segment for Inquiry or Reply	M	1			Must use
030	N9	Reference Identification	M	30			Must use
040	Q2	Status Details (Ocean)	M	1			Must use
050	SG	Shipment Status	O	15			Used
<b>LOOP ID - R4</b>					<b>20</b>		
060	R4	Port or Terminal	M	1			Must use
070	DTM	Date/Time Reference	M	15			Must use
090	SE	Transaction Set Trailer	M	1			Must use

## 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>
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

# 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	<b>Authorization Information Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Code to identify the type of information in the Authorization Information						
<b>Code List Summary</b> (Total Codes: 7, Included: 1)						
<b>Code Name</b>						
00 No Authorization Information Present (No Meaningful Information in I02)						
ISA02	I02	<b>Authorization Information</b>	M	AN	10/10	Must use
<b>Description:</b> 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	<b>Security Information Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Code to identify the type of information in the Security Information						
<b>Code List Summary</b> (Total Codes: 2, Included: 1)						
<b>Code Name</b>						
00 No Security Information Present (No Meaningful Information in I04)						
ISA04	I04	<b>Security Information</b>	M	AN	10/10	Must use
<b>Description:</b> 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	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified						
<b>All valid standard codes are used. (Total Codes: 38)</b>						
ISA06	I06	<b>Interchange Sender ID</b>	M	AN	15/15	Must use
<b>Description:</b> 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						
ISA07	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified						
<b>Code List Summary</b> (Total Codes: 38, Included: 1)						
<b>Code Name</b>						
ZZ Mutually Defined						
ISA08	I07	<b>Interchange Receiver ID</b>	M	AN	15/15	Must use

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<p><b>Description:</b> 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</p> <p><b>User Note 1:</b></p> <p><i>PROD: RBTWTMC</i></p> <p><i>TEST: RBTWTMCTEST</i></p>				
ISA09	I08	<b>Interchange Date</b>	M	DT	6/6	Must use
		<b>Description:</b> Date of the interchange				
ISA10	I09	<b>Interchange Time</b>	M	TM	4/4	Must use
		<b>Description:</b> Time of the interchange				
ISA11	I10	<b>Interchange Control Standards Identifier</b>	M	ID	1/1	Must use
		<b>Description:</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer				
		<b>Code List Summary</b> (Total Codes: 1, Included: 1)				
		<b>Code Name</b>				
		U U.S. EDI Community of ASC X12, TDCC, and UCS				
ISA12	I11	<b>Interchange Control Version Number</b>	M	ID	5/5	Must use
		<b>Description:</b> Code specifying the version number of the interchange control segments				
		<b>Code List Summary</b> (Total Codes: 14, Included: 1)				
		<b>Code Name</b>				
		00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997				
ISA13	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use
		<b>Description:</b> A control number assigned by the interchange sender				
ISA14	I13	<b>Acknowledgment Requested</b>	M	ID	1/1	Must use
		<b>Description:</b> Code sent by the sender to request an interchange acknowledgment (TA1)				
		<b>Code List Summary</b> (Total Codes: 2, Included: 1)				
		<b>Code Name</b>				
		1 Interchange Acknowledgment Requested				
ISA15	I14	<b>Usage Indicator</b>	M	ID	1/1	Must use
		<b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information				
		<b>Code List Summary</b> (Total Codes: 3, Included: 2)				
		<b>Code Name</b>				
		P Production Data				
		T Test Data				
ISA16	I15	<b>Component Element Separator</b>	M		1/1	Must use
		<b>Description:</b> 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				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		elements within a composite data structure; this value must be different than the data element separator and the segment terminator				

**User Note 1:** *Preferred character: >*

# 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:

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 List Summary** (Total Codes: 240, Included: 1)

**Code Name**

QO Ocean Shipment Status Information (313, 315)

GS02	142	Application Sender's Code	M	AN	2/15	Must use
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**Description:** Code identifying party sending transmission; codes agreed to by trading partners

GS03	124	Application Receiver's Code	M	AN	2/15	Must use
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**Description:** Code identifying party receiving transmission; codes agreed to by trading partners

**User Note 1:**

*PROD: RBTWTMC*

*TEST: RBTWTMCTEST*

GS04	373	Date	M	DT	8/8	Must use
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**Description:** Date expressed as CCYYMMDD

GS05	337	Time	M	TM	4/8	Must use
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**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
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**Description:** Assigned number originated and maintained by the sender

GS07	455	Responsible Agency Code	M	ID	1/2	Must use
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**Description:** Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480

**Code List Summary** (Total Codes: 2, Included: 1)

**Code Name**

X Accredited Standards Committee X12

GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12	Must use
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**Description:** Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed				
		<b>Code List Summary</b> (Total Codes: 39, Included: 1)				
		<u>Code</u>		<u>Name</u>		
		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.

# 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	<b>Transaction Set Identifier Code</b>	M	ID	3/3	Must use
<b>Description:</b> Code uniquely identifying a Transaction Set						
<b>All valid standard codes are used. (Total Codes: 298)</b>						
ST02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
<b>Description:</b> 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).

# B4 Beginning Segment for Inquiry or Reply

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 9

**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>
B403	157	Shipment Status Code	M	ID	1/2	Must use

**Description:** Code indicating the status of a shipment

**Code List Summary** (Total Codes: 177, Included: 31)

### Code Name

D	Completed Unloading at Delivery Location	<b>Description:</b> <i>Shipment was delivered to the consignee or receiver</i>	<b>User Note 1:</b> <i>Required when applicable for Ocean and Air Shipments</i>
I	In-Gate	<b>User Note 1:</b> <i>Required when applicable for Ocean Shipments</i>	
J	Delivered to Connecting Line	<b>Description:</b> <i>Shipment has been delivered to an interline carrier</i>	
K	Arrived at Customs	<b>Description:</b> <i>Customs delay; shipment is being processed at the customs location</i>	
P	Departed Terminal Location	<b>Description:</b> <i>Shipment has left the carrier's terminal or other control point</i>	
T	At Terminal; Intra-Terminal Movement		
AC	Awaiting Clearance		
AE	Loaded on Vessel	<b>User Note 1:</b> <i>Required when applicable for Ocean Shipments</i>	
AF	Departed Pickup Location	<b>Description:</b> <i>Shipment has been picked up</i>	<b>User Note 1:</b> <i>Required when applicable for Ocean and Air Shipments</i>
AG	Estimated Delivery	<b>Description:</b> <i>Estimated date of delivery to the consignee or receiver</i>	<b>User Note 1:</b> <i>Required when applicable for Ocean and Air Shipments</i>
AL	Loaded on Rail	<b>User Note 1:</b> <i>Required when applicable for Ocean Shipments</i>	
AP	Loaded on Feeder Vessel		
AR	Rail Arrival at Destination Intermodal Ramp	<b>User Note 1:</b> <i>Required when applicable for Ocean Shipments</i>	
AW	Awaiting Export		

<b>Code</b>	<b>Name</b>
	<b>Description:</b> <i>Shipment in transit</i>
CO	Cargo Received at Contractual Place of Receipt
CT	Customs Released
MT	Empty Committed
OA	Out-Gate
	<b>User Note 1:</b>
	<i>Required when applicable for Ocean Shipments</i>
RD	Return Container
RL	Rail Departure from Origin Intermodal Ramp
	<b>User Note 1:</b>
	<i>Required when applicable for Ocean Shipments</i>
SD	Shipment Delayed
UV	Unloaded From Vessel
	<b>User Note 1:</b>
	<i>Required when applicable for Ocean Shipments</i>
VA	Vessel Arrival
	<b>Description:</b> <i>Vessel scheduled to arrive or has arrived</i>
	<b>User Note 1:</b>
	<i>Required when applicable for Ocean Shipments</i>
VD	Vessel Departure
	<b>Description:</b> <i>Vessel scheduled to depart or has departed</i>
	<b>User Note 1:</b>
	<i>Required when applicable for Ocean Shipments</i>
WD	Wheels Down
	<b>User Note 1:</b>
	<i>Required when applicable for Air Shipments</i>
WU	Wheels Up
	<b>User Note 1:</b>
	<i>Required when applicable for Air Shipments</i>
X1	Arrived at Delivery Location
	<b>Description:</b> <i>The carrier has arrived at the shipment delivery location</i>
	<b>User Note 1:</b>
	<i>Required when applicable for Ocean and Air shipments</i>
X3	Arrived at Pick-up Location
	<b>User Note 1:</b>
	<i>Required when applicable for Ocean and Air Shipments</i>
X4	Arrived at Terminal Location
X6	En Route to Delivery Location
X7	En Route to Pick-up Location

B404	373	<b>Date</b>	M	DT	8/8	Must use
		<b>Description:</b>	Date expressed as CCYYMMDD			
B405	161	<b>Status Time</b>	O	TM	4/4	Used
		<b>Description:</b>	Time (HHMM) of last reported status of cargo			
B406	159	<b>Status Location</b>	O	AN	3/5	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> 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				
		<b>User Note 1:</b> <i>For air shipments, an IATA code specific to an airport should be provided.</i>				
B407	206	<b>Equipment Initial</b>	M	AN	1/4	Must use
		<b>Description:</b> Prefix or alphabetic part of an equipment unit's identifying number				
B408	207	<b>Equipment Number</b>	M	AN	1/10	Must use
		<b>Description:</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)				
B411	310	<b>Location Identifier</b>	M	AN	1/30	Must use
		<b>Description:</b> Code which identifies a specific location				
		<b>User Note 1:</b> <i>For air shipments, an IATA code specific to an airport should be provided.</i>				
B412	309	<b>Location Qualifier</b>	M	ID	1/2	Must use
		<b>Description:</b> Code identifying type of location				
		<b>All valid standard codes are used. (Total Codes: 172)</b>				
B413	761	<b>Equipment Number Check Digit</b>	O	N0	1/1	Used
		<b>Description:</b> 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.

### User Note 1:

*See final page of specification for expected events and usage*

# N9 Reference Identification

Pos: 030	Max: 30
Heading - Mandatory	
Loop: N/A	Elements: 2

**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 List Summary** (Total Codes: 1503, Included: 7)

### Code Name

AG Agent's Shipment Number

#### **User Note 1:**

*Required*

#### **User Note 2:**

*TMC Load Number (N9\*AG from 304)*

AW Air Waybill Number

#### **User Note 1:**

*Required when B403 = "WU" (Wheels Up) or "WD" (Wheels Down)*

CN Carrier's Reference Number (PRO/Invoice)

#### **User Note 1:**

*Conditional*

#### **User Note 2:**

*If N9\*AG (TMC Load #) is not included, N9\*CN (Pro number) and SCAC (Q211 (Q210 = "SCA")) are required.*

MB Master Bill of Lading

MO Mode

#### **User Note 1:**

*Required*

#### **User Note 2:**

*Used to indicate mode:*

*Ocean: N902 = "VE"*

*Air: N902 = "A"*

SI Shipper's Identifying Number for Shipment (SID)

**Description:** *A unique number (to the shipper) assigned by the shipper to identify the shipment*

SCA Standard Carrier Alpha Code (SCAC)

N902	127	Reference Identification	M	AN	1/80	Must use
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**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.

## Q2 Status Details (Ocean)

Pos: 040	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 15

**User Option (Usage):** Must use

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

### 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>
Q201	597	<b>Vessel Code</b>	M	ID	1/8	Must use
		<b>Description:</b> Code identifying vessel				
		<b>User Note 1:</b> <i>Required for ocean shipments.</i>				
Q202	26	<b>Country Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the country				
Q203	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				
		<b>User Note 1:</b> <i>Required pier date</i>				
		<b>User Note 2:</b> <i>If actual date is unknown, provide estimated date.</i>				
Q204	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				
		<b>User Note 1:</b> <i>Vessel departure date</i>				
		<b>User Note 2:</b> <i>If actual date is unknown, provide estimated date.</i>				
Q205	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD				
		<b>User Note 1:</b> <i>Vessel arrival date</i>				
		<b>User Note 2:</b> <i>If actual date is unknown, provide estimated date.</i>				
Q207	81	<b>Weight</b>	X	R	1/10	Used
		<b>Description:</b> Numeric value of weight				
Q208	187	<b>Weight Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code defining the type of weight				
		<b>Code List Summary</b> (Total Codes: 51, Included: 2)				
		<b>Code</b>	<b>Name</b>			
		G	Gross Weight			
		N	Actual Net Weight			
Q209	55	<b>Flight/Voyage Number</b>	M	AN	2/10	Must use
		<b>Description:</b> Identifying designator for the particular flight or voyage on which the cargo travels				
		<b>User Note 1:</b> <i>For air shipments, should be formatted "AA1234"; the 1st two characters should be alpha, followed by numeric flight number.</i>				
Q210	128	<b>Reference Identification Qualifier</b>	O	ID	2/3	Used
		<b>Description:</b> Code qualifying the Reference Identification				



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Code List Summary</b> (Total Codes: 1503, Included: 1)				
		<b>Code Name</b>				
		SCA Standard Carrier Alpha Code (SCAC)				
Q211	127	<b>Reference Identification</b>	X	AN	1/30	Used
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
Q212	897	<b>Vessel Code Qualifier</b>	O	ID	1/1	Used
		<b>Description:</b> Code specifying vessel code source				
		<b>Code List Summary</b> (Total Codes: 4, Included: 1)				
		<b>Code Name</b>				
		L Lloyd's Register of Shipping				
Q213	182	<b>Vessel Name</b>	O	AN	2/28	Used
		<b>Description:</b> Name of ship as documented in "Lloyd's Register of Ships"				
		<b>User Note 1:</b> <i>When B403 = "WU" (Wheels Up) or "WD" (Wheels Down), this should contain the airline name</i>				
Q214	183	<b>Volume</b>	X	R	1/8	Used
		<b>Description:</b> Value of volumetric measure				
Q215	184	<b>Volume Unit Qualifier</b>	X	ID	1/1	Used
		<b>Description:</b> Code identifying the volume unit				
		<b>Code List Summary</b> (Total Codes: 16, Included: 2)				
		<b>Code Name</b>				
		E Cubic Feet				
		X Cubic Meters				
Q216	188	<b>Weight Unit Code</b>	X	ID	1/1	Used
		<b>Description:</b> Code specifying the weight unit				
		<b>Code List Summary</b> (Total Codes: 8, Included: 2)				
		<b>Code Name</b>				
		K Kilograms				
		L Pounds				

### 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.

### 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.

# SG Shipment Status

Pos: 050	Max: 15
Heading - Optional	
Loop: N/A	Elements: 1

**User Option (Usage):** Used

**Purpose:** To convey the status of a shipment

## 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>
SG02	641	Status Reason Code	X	ID	3/3	Used

**Description:** Code indicating the status reason

**Code List Summary** (Total Codes: 387, Included: 45)

<u>Code</u>	<u>Name</u>
001	Missed Flight
002	Flight Delay
003	Flight Rerouted
004	Broker Related
005	Capacity/Space/Rolled
006	Vessel Delay
007	Customs Delay
008	Customs Delay
009	Vessel Rerouted
010	Origin CFS Delays
011	Destination CFS Delays
012	Handover Delayed
013	Late Delivery to Airport
014	Late Delivery to Port
015	Missed Vessel
016	Port Delays
017	No Equipment/Capacity
018	Commodity/Packaging Issue
029	Transfer of Ownership Pending
049	Merchandise Damaged or Destroyed
052	Import Container Delay
A03	Incorrect Address
A07	Refused by Consignee
A11	Business Closed
A17	Customer Requested Future Delivery
A18	Missort
A24	Accident
A26	Consignee Related
A30	Mechanical Breakdown
A40	Shipper Related
A43	Weather or Natural Disaster Related
A50	Improper International Paperwork
A55	Hold Due to Customs/Documentation
A65	Customs Release

**Code Name**

A95	Past Cutoff Time
A96	Insufficient Pickup Time
B01	Reconsigned
B08	Improper Unloading Facility or Equipment
B14	Missing Documents
B15	Border Clearance
D01	Carrier Dispatch Error
P02	Waiting Inspection
T07	Insufficient Delivery Time
THT	Theft
W15	Wrong Equipment

**Syntax Rules:**

1. R010203 - At least one of SG01, SG02 or SG03 is required.
2. C0605 - If SG06 is present, then SG05 is required.

# 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:

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

# R4 Port or Terminal

Pos: 060	Max: 1
Heading - Mandatory	
Loop: R4	Elements: 5

**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	<b>Port or Terminal Function Code</b>	M	ID	1/1	Must use

**Description:** Code defining function performed at the port or terminal with respect to a shipment

**Code List Summary** (Total Codes: 30, Included: 8)

### Code Name

6	Origin Rail Intermodal Terminal
7	Destination Rail Intermodal Terminal
D	Port of Discharge

#### **User Note 1:**

*When B403 = "WU" (Wheels Up) or "WD" (Wheels Down), this will be used to represent destination airport*

E	Place of Delivery
---	-------------------

**Description:** Place at which cargo leaves its care and custody of carrier

I	Interim Point
---	---------------

**Description:** Place at which cargo is transferred from one inland means of transport to another

L	Port of Loading
---	-----------------

#### **User Note 1:**

*When B403 = "WU" (Wheels Up) or "WD" (Wheels Down), this will be used to represent origin airport*

R	Place of Receipt
---	------------------

**Description:** Place at which cargo enters the care and custody of carrier

T	Transshipment Port
---	--------------------

#### **User Note 1:**

*When B403 = "WU" (Wheels Up) or "WD" (Wheels Down), this will be used to represent intermediate airport*

R402	309	<b>Location Qualifier</b>	M	ID	1/2	Must use
------	-----	---------------------------	---	----	-----	----------

**Description:** Code identifying type of location

**Code List Summary** (Total Codes: 172, Included: 3)

### Code Name

CI	City
IA	International Air Transport Association (IATA) Location Qualifier
UN	United Nations Location Code (UNLOCODE)

R403	310	<b>Location Identifier</b>	M	AN	1/30	Must use
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**Description:** Code which identifies a specific location

R404	114	<b>Port Name</b>	O	AN	2/24	Used
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<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> 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	<b>Country Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the country				

### 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.

# DTM Date/Time Reference

Pos: 070	Max: 15
Heading - Mandatory	
Loop: R4	Elements: 4

**User Option (Usage):** Must use

**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	<b>Date/Time Qualifier</b>	M	ID	3/3	Must use

**Description:** Code specifying type of date or time, or both date and time

**Code List Summary** (Total Codes: 1112, Included: 2)

**Code Name**

139 Estimated

140 Actual

DTM02	373	<b>Date</b>	M	DT	8/8	Must use
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**Description:** Date expressed as CCYYMMDD

DTM03	337	<b>Time</b>	X	TM	4/8	Used
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**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	<b>Time Code</b>	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

**All valid standard codes are used. (Total Codes: 51)**

## 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.

### User Note 1:

*DTM02 (DTM01 = "140") is required for the R4 (route stop) to which the event code pertains*

### User Note 2:

*For example, if the B403 = "UV" (unloaded from vessel), an instance of DTM02 (DTM01 = "140") is expected within the R4 (R401 = "D") loop*

# SE Transaction Set Trailer

Pos: 090	Max: 1
Heading - 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	<b>Number of Included Segments</b>	M	N0	1/10	Must use
		<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments				
SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
		<b>Description:</b> 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.



# 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	<b>Number of Transaction Sets Included</b>	M	N0	1/6	Must use
		<b>Description:</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element				
GE02	28	<b>Group Control Number</b>	M	N0	1/9	Must use
		<b>Description:</b> 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.

# 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	<b>Number of Included Functional Groups</b>	M	N0	1/5	Must use
		<b>Description:</b> A count of the number of functional groups included in an interchange				
IEA02	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use
		<b>Description:</b> A control number assigned by the interchange sender				

**Ocean**

MovementType	Event	EDI Event - (B403)	Port Function
Door to Door	ArvdPuLoc	X3	Place of Receipt
Door to Door	DeprtPuLoc	AF	Place of Receipt
Door to Door	In-Gate	I	Port of Loading
Door to Door	LoadOnVsl	AE	Port of Loading
Door to Door	VslDeprtd	VD	Port of Loading
Door to Door	VesArvd	VA	Port of Discharge
Door to Door	UnloadedVsl	UV	Port of Discharge
Door to Door	ArrvdDelvLoc	X1	Place of Delivery
Door to Door	UnloadedDelvLoc	D	Place of Delivery
Door to Door	EstDelvDate	AG	Place of Delivery
Door to D Port	ArvdPuLoc	X3	Place of Receipt
Door to D Port	DeprtPuLoc	AF	Place of Receipt
Door to D Port	In-Gate	I	Port of Loading
Door to D Port	LoadOnVsl	AE	Port of Loading
Door to D Port	VslDeprtd	VD	Port of Loading
Door to D Port	VesArvd	VA	Port of Discharge
Door to D Port	UnloadedVsl	UV	Port of Discharge
Door to D Port	EstDelvDate	AG	Place of Delivery
Port to Port	In-Gate	I	Port of Loading
Port to Port	LoadOnVsl	AE	Port of Loading
Port to Port	VslDeprtd	VD	Port of Loading
Port to Port	VesArvd	VA	Port of Discharge
Port to Port	UnloadedVsl	UV	Port of Discharge
Port to Port	EstDelvDate	AG	Place of Delivery
Port to D Door	In-Gate	I	Port of Loading
Port to D Door	LoadOnVsl	AE	Port of Loading
Port to D Door	VslDeprtd	VD	Port of Loading
Port to D Door	VesArvd	VA	Port of Discharge
Port to D Door	UnloadedVsl	UV	Port of Discharge
Port to D Door	ArrvdDelvLoc	X1	Place of Delivery
Port to D Door	UnloadedDelvLoc	D	Place of Delivery
Port to D Door	EstDelvDate	AG	Place of Delivery

**Air**

MovementType	Event	EDI Event - (B403)	Port Function
Door to Door	ArvdPuLoc	X3	Place of Receipt
Door to Door	DeprtPuLoc	AF	Place of Receipt
Door to Door	WheelsUp	WU	Port of Loading
Door to Door	WheelsDown	WD	Port of Discharge
Door to Door	ArrvdDelvLoc	X1	Place of Delivery
Door to Door	UnloadedDelvLc	D	Place of Delivery
Door to Door	EstDelvDate	AG	Place of Delivery
Door to D Airport	ArvdPuLoc	X3	Place of Receipt
Door to D Airport	DeprtPuLoc	AF	Place of Receipt
Door to D Airport	WheelsUp	WU	Port of Loading
Door to D Airport	WheelsDown	WD	Port of Discharge
Door to D Airport	EstDelvDate	AG	Place of Delivery
Airport to Airport	WheelsUp	WU	Port of Loading
Airport to Airport	WheelsDown	WD	Port of Discharge
Airport to Airport	EstDelvDate	AG	Place of Delivery
Airport to D Door	WheelsUp	WU	Port of Loading
Airport to D Door	WheelsDown	WD	Port of Discharge
Airport to D Door	ArrvdDelvLoc	X1	Place of Delivery
Airport to D Door	UnloadedDelvLc	D	Place of Delivery
Airport to D Door	EstDelvDate	AG	Place of Delivery

**Ocean**

MovementType	Event	EDI Event - (B403)	Port Function
Ramp to Ramp	LoadRail	AL	Origin Ramp
Ramp to Ramp	RailDepOrgRamp	RL	Origin Ramp
Ramp to Ramp	In-Gate	I	Port of Loading
Ramp to Ramp	LoadOnVsl	AE	Port of Loading
Ramp to Ramp	VslDeprtd	VD	Port of Loading
Ramp to Ramp	VesArvd	VA	Port of Discharge
Ramp to Ramp	UnloadedVsl	UV	Port of Discharge
Ramp to Ramp	RailArvdDestIRmp	AR	Destination Ramp
Ramp to Ramp	OutGate	OA	Destination Ramp
Ramp to Ramp	EstDelvDate	AG	Place of Delivery
Ramp to Port	LoadRail	AL	Origin Ramp
Ramp to Port	RailDepOrgRamp	RL	Origin Ramp
Ramp to Port	In-Gate	I	Port of Loading
Ramp to Port	LoadOnVsl	AE	Port of Loading
Ramp to Port	VslDeprtd	VD	Port of Loading
Ramp to Port	VesArvd	VA	Port of Discharge
Ramp to Port	UnloadedVsl	UV	Port of Discharge
Ramp to Port	EstDelvDate	AG	Place of Delivery
Port to Ramp	In-Gate	I	Port of Loading
Port to Ramp	LoadOnVsl	AE	Port of Loading
Port to Ramp	VslDeprtd	VD	Port of Loading
Port to Ramp	VesArvd	VA	Port of Discharge
Port to Ramp	UnloadedVsl	UV	Port of Discharge
Port to Ramp	RailArvdDestIRmp	AR	Destination Ramp
Port to Ramp	OutGate	OA	Destination Ramp
Port to Ramp	EstDelvDate	AG	Place of Delivery
Ramp to Door	LoadRail	AL	Origin Ramp
Ramp to Door	RailDepOrgRamp	RL	Origin Ramp
Ramp to Door	In-Gate	I	Port of Loading
Ramp to Door	LoadOnVsl	AE	Port of Loading
Ramp to Door	VslDeprtd	VD	Port of Loading
Ramp to Door	VesArvd	VA	Port of Discharge
Ramp to Door	UnloadedVsl	UV	Port of Discharge
Ramp to Door	ArrvdDelvLoc	X1	Place of Delivery
Ramp to Door	UnloadedDelvLoc	D	Place of Delivery
Ramp to Door	EstDelvDate	AG	Place of Delivery

**Ocean**

MovementType	Event	EDI Event - (B403)	Port Function
Door to Ramp	ArvdPuLoc	X3	Place of Receipt
Door to Ramp	DeprtPuLoc	AF	Place of Receipt
Door to Ramp	In-Gate	I	Port of Loading
Door to Ramp	LoadOnVsl	AE	Port of Loading
Door to Ramp	VslDeprtd	VD	Port of Loading
Door to Ramp	VesArvd	VA	Port of Discharge
Door to Ramp	UnloadedVsl	UV	Port of Discharge
Door to Ramp	RailArvdDestIRrn	AR	Destination Ramp
Door to Ramp	OutGate	OA	Destination Ramp
Door to Ramp	EstDelvDate	AG	Place of Delivery
Door to D CFS	ArvdPuLoc	X3	Place of Receipt
Door to D CFS	DeprtPuLoc	AF	Place of Receipt
Door to D CFS	In-Gate	I	Port of Loading
Door to D CFS	LoadOnVsl	AE	Port of Loading
Door to D CFS	VslDeprtd	VD	Port of Loading
Door to D CFS	VesArvd	VA	Port of Discharge
Door to D CFS	UnloadedVsl	UV	Port of Discharge
Door to D CFS	ArrvdDelvLoc	X1	Place of Delivery
Door to D CFS	UnloadedDelvLc	D	Place of Delivery
Door to D CFS	EstDelvDate	AG	Place of Delivery
O CFS to D CFS	ArvdPuLoc	X3	Place of Receipt
O CFS to D CFS	DeprtPuLoc	AF	Place of Receipt
O CFS to D CFS	In-Gate	I	Port of Loading
O CFS to D CFS	LoadOnVsl	AE	Port of Loading
O CFS to D CFS	VslDeprtd	VD	Port of Loading
O CFS to D CFS	VesArvd	VA	Port of Discharge
O CFS to D CFS	UnloadedVsl	UV	Port of Discharge
O CFS to D CFS	ArrvdDelvLoc	X1	Place of Delivery
O CFS to D CFS	UnloadedDelvLc	D	Place of Delivery
O CFS to D CFS	EstDelvDate	AG	Place of Delivery

**Ocean**

MovementType	Event	EDI Event - (B403)	Port Function
O CFS to D Door	ArvdPuLoc	X3	Place of Receipt
O CFS to D Door	DeprtPuLoc	AF	Place of Receipt
O CFS to D Door	In-Gate	I	Port of Loading
O CFS to D Door	LoadOnVsl	AE	Port of Loading
O CFS to D Door	VslDeprtd	VD	Port of Loading
O CFS to D Door	VesArvd	VA	Port of Discharge
O CFS to D Door	UnloadedVsl	UV	Port of Discharge
O CFS to D Door	ArrvdDelvLoc	X1	Place of Delivery
O CFS to D Door	UnloadedDelvLoc	D	Place of Delivery
O CFS to D Door	EstDelvDate	AG	Place of Delivery
O CFS to D Port	ArvdPuLoc	X3	Place of Receipt
O CFS to D Port	DeprtPuLoc	AF	Place of Receipt
O CFS to D Port	In-Gate	I	Port of Loading
O CFS to D Port	LoadOnVsl	AE	Port of Loading
O CFS to D Port	VslDeprtd	VD	Port of Loading
O CFS to D Port	VesArvd	VA	Port of Discharge
O CFS to D Port	UnloadedVsl	UV	Port of Discharge
O CFS to D Port	EstDelvDate	AG	Place of Delivery
O Port to D CFS	In-Gate	I	Port of Loading
O Port to D CFS	LoadOnVsl	AE	Port of Loading
O Port to D CFS	VslDeprtd	VD	Port of Loading
O Port to D CFS	VesArvd	VA	Port of Discharge
O Port to D CFS	UnloadedVsl	UV	Port of Discharge
O Port to D CFS	OutGate	OA	Port of Discharge
O Port to D CFS	ArrvdDelvLoc	X1	Place of Delivery
O Port to D CFS	UnloadedDelvLoc	D	Place of Delivery
O Port to D CFS	EstDelvDate	AG	Place of Delivery
O Door to O CFS	ArvdPuLoc	X3	Place of Receipt
O Door to O CFS	DeprtPuLoc	AF	Place of Receipt
O Door to O CFS	ArrvdDelvLoc	X1	Place of Delivery
O Door to O CFS	UnloadedDelvLoc	D	Place of Delivery
O Door to O CFS	EstDelvDate	AG	Place of Delivery
D CFS to D Door	ArvdPuLoc	X3	Place of Receipt
D CFS to D Door	DeprtPuLoc	AF	Place of Receipt
D CFS to D Door	ArrvdDelvLoc	X1	Place of Delivery
D CFS to D Door	UnloadedDelvLoc	D	Place of Delivery
D CFS to D Door	EstDelvDate	AG	Place of Delivery

ISA\*00\* \*00\* \*ZZ\*FRTFORWARDER \*ZZ\*RBTWTMCTEST  
\*200410\*1001\*U\*00401\*000036057\*1\*T\*>  
GS\*QO\*FRTFORWARDER\*RBTWTMCTEST\*20200410\*1001\*19963\*X\*004010  
ST\*315\*0001  
B4\*\*\*UV\*20200711\*1457\*BEANR\*HLCU\*114178\*\*\*BEANR\*UN\*0  
N9\*AG\*200757935  
N9\*MB\*64366651  
N9\*SI\*1002ODDP  
N9\*SCA\*SCAC  
Q2\*9262716\*BE\*20200428\*20200701\*20200710\*\*15000\*N\*104W\*SCA\*HLCU\*L\*NYK  
ARGUS\*500\*X\*K  
R4\*D\*UN\*BEANR\*ANTWERPEN\*BE  
DTM\*140\*20200710\*1457\*LT  
SE\*10\*0001  
GE\*1\*19963  
IEA\*1\*000036057

ISA\*00\* \*00\* \*ZZ\*FRTFORWARDER \*ZZ\*RBTWTMCTEST  
\*200410\*1001\*U\*00401\*000036057\*1\*T\*>  
GS\*QO\*FRTFORWARDER\*RBTWTMCTEST\*20200410\*1001\*19963\*X\*004010  
ST\*315\*0001  
B4\*\*\*WU\*20200516\*1457\*ORD\*\*\*\*\*ORD\*IA  
N9\*AG\*200757996  
N9\*AW\*4589746  
N9\*SI\*1002ODDA  
N9\*SCA\*SCAC  
Q2\*\*\*\*\*DH4559\*SCA\*DHLC\*\*DHL AIR  
R4\*L\*IA\*ORD\*O HARE\*US  
DTM\*140\*20200516\*1457\*LT  
SE\*10\*0001  
GE\*1\*19963