EDI X12 315
Status Details (Ocean)

Version: V4010

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Revision History

Revision	Date	Prepared By	Comments
1.0	July 2024	Integration Team	Updated N9, R4, B4, DTM segments.

315 Status Details (Ocean)

Functional Group=QO

Purpose: This Draft Standard 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.

Usage Indicators:

Usage Indicators are applied at all levels of the guidelines and shown adjacent to data items such as segment groups, segments, composite data elements and simple data elements. They dictate the agreed usage of the data items or entities.

The Usage Indicators are:

Value	Description
M	Mandatory Indicates the item is mandatory in the UN/EDIFACT message.
X	Conditional The entity is used by agreement between trading partners
O	Optional Indicates that this item is at the need or discretion of both trading partners.
NA	Not Recommended (Advised) Indicates the item needn't be transmitted in this implementation.

Terminology:

Within this manual specific terminology will be used that you may not be familiar with. In order to give you some guidance, please find below the most important EDI terms and their according definitions.

Delimiters	**Segment Terminator: ~** Each segment in this message is separated by a ~ character **Element Separator: *** sign indicates the start of a new element, either a simple or composite element **Sub element separator: +** character indicates the start of a sub-element of a composite element.
Segment	A segment is uniquely identified by a three character mnemonic tag, which is used as a reference to a common group of business information. For example Place of Origin, Port of Loading, Port of Discharge are all locations. The segment used for location is called R4
Service Segment	A service segment is a segment that contains non-business related data. These segments usually include interchanges and messages, in the form of headers and trailers. For example ISA and GS are typical service segments.

Segment Group	A segment group is a collection of segments that are related within a message structure. A simple example would be a group for details of transport. This would typically include a segment for the reference (using N9) and the locations (using R4).
Composite Element	A composite element is a lower level of detail to identify business data within segment. It is normally used when a data item requires addition information. Each composite element has a unique code identifying it. A composite element could be used, for example when a data item is in the form of a code and it requires a type qualifier and also organization responsible for its maintenance.
Data Element	A data element is the lowest level within the EDI structure for holding data. Each data element has a unique code identifying it. A data element can exist as a stand-alone element or as a sub-element within a composite element.

EDI 315 Segments:

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
	ISA	Interchange Control Header	M	1		Must use
	GS	Functional Group Header	M	1		Must use

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
100	ST	Transaction Set Header	M	1		Must Use
200	B4	Beginning Segment for Beginning Segment for Inquiry or Reply	M	1		Must Use
300	N9	Reference Identification	O	30		Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
Loop ID – R4			**M**		**20**	
600	R4	Port or Terminal	M	1		Must Use
700	DTM	Date/Time Reference	O	15		Used
900	SE	Transaction Set Trailer	M	1		Must Use

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
	GE	Functional Group Trailer	M	1		Must use
	IEA	Interchange Control Trailer	M	1		Must use

ISA Interchange Control Header — Mandatory — Max: 1

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	Element Description	Req	Type	Min/Max	Usage
ISA01	Authorization Information Qualifier	M	ID	2/2	Must use
	Description: Code to identify the type of information in the Authorization Information All valid standard codes are used.				
ISA02	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	Security Information Qualifier	M	ID	2/2	Must use
	Description: Code to identify the type of information in the Security Information All valid standard codes are used.				
ISA04	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	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 All valid standard codes are used.				
ISA06	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				
ISA07	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				
ISA08	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				
ISA09	Interchange Date	M	DT	6/6	Must use
	Description: Date of the interchange				
ISA10	Interchange Time	M	TM	4/4	Must use

<table>
<tr><td></td><td colspan="5">Description: Time of the interchange</td></tr>
<tr><td>ISA11</td><td>Interchange Control Standards Identifier</td><td>M</td><td>ID</td><td>1/1</td><td>Must use</td></tr>
<tr><td></td><td colspan="5">Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer
All valid standard codes are used.</td></tr>
<tr><td>ISA12</td><td>Interchange Control Version Number</td><td>M</td><td>ID</td><td>5/5</td><td>Must use</td></tr>
<tr><td></td><td colspan="5">Description: Code specifying the version number of the interchange control segments
<table><tr><td>Code</td><td>Name</td></tr><tr><td>00401</td><td>Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997</td></tr></table></td></tr>
<tr><td>ISA13</td><td>Interchange Control Number</td><td>M</td><td>N0</td><td>9/9</td><td>Must use</td></tr>
<tr><td></td><td colspan="5">Description: A control number assigned by the interchange sender</td></tr>
<tr><td>ISA14</td><td>Acknowledgment Requested</td><td>M</td><td>ID</td><td>1/1</td><td>Must use</td></tr>
<tr><td></td><td colspan="5">Description: Code sent by the sender to request an interchange acknowledgment (TA1)
All valid standard codes are used.
<table><tr><td>Code</td><td>Name</td></tr><tr><td>0</td><td>No Acknowledgment Requested</td></tr><tr><td>1</td><td>Interchange Acknowledgment Requested</td></tr></table></td></tr>
<tr><td>ISA15</td><td>Usage Indicator</td><td>M</td><td>ID</td><td>1/1</td><td>Optional</td></tr>
<tr><td></td><td colspan="5">Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information
All valid standard codes are used.
<table><tr><td>Code</td><td>Name</td></tr><tr><td>P</td><td>Production Data</td></tr><tr><td>T</td><td>Test Data</td></tr></table></td></tr>
<tr><td>ISA16</td><td>Component Element Separator</td><td>M</td><td></td><td>1/1</td><td>Optional</td></tr>
<tr><td></td><td colspan="5">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 separator and the segment terminator</td></tr>
</table>

Example:

ISA*00* *00* *ZZ*CLEINT *ZZ*CU1000 *090322*0737*U*00401*100000722*0*T*+~

GS Functional Group Header — Mandatory — Max: 1

User Option (Usage): Must use
Purpose: To indicate the beginning of a functional group and to provide control information
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: 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.

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
GS01	Functional Identifier Code	M	ID	2/2	Must use
	Description: Code identifying a group of application related transaction sets Code List Summary Code: QO — Name: Ocean Shipment Status Information (313, 315				
GS02	Application Sender's Code	M	AN	2/15	Must use
	Description: Code identifying party sending transmission; codes agreed to by trading partners				
GS03	Application Receiver's Code	M	AN	2/15	Must use
	Description: Code identifying party receiving transmission; codes agreed to by trading partners				
GS04	Date	M	DT	8/8	Must use
	Description: Date expressed as CCYYMMDD				
GS05	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	Group Control Number	M	N0	1/9	Must use
	Description: Assigned number originated and maintained by the sender				
GS07	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 All valid standard codes are used. Code: T — Name: Transportation Data Coordinating Committee (TDCC) Code: X — Name: Accredited Standards Committee X12				
GS08	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 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

Example:

GS*QO*CLEINT*CU1000*20090322*0737*100000722*X*004010~

ST Transaction Set Header — Mandatory — Max: 1

User Option (Usage): Must use

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

Element Summary:

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

Example:

ST*315*0001~

B4 Beginning Segment for Inquiry or Reply — Mandatory — Max: 1

User Option (Usage): Must Use
Purpose: To transmit identifying numbers, dates and other basic data relating to the transaction set

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
B401	Special Handling Code	O	ID	2/3	NA
	Description: Code specifying special transportation handling instructions				
B402	Inquiry Request Number	O	N0	1/3	NA
	Description: Identifying number assigned by inquirer				
B403	Shipment Status Code	O	ID	1/2	Must use

Description: Code indicating the status of a shipment

A	Arrived
AD	Deliver Order Issued
AE	Loaded on Vessel
AF	Picked Up
AG	Estimated Delivery
AL	Loaded
AR	Rail Arrival
AV	Available
BR	Bill of Lading Released
C	Estimated To Depart Terminal Location
C1	Customs Hold
CR	Carrier Release
CT	Customs Released
CU	Customs and Carrier Released
D	Delivered
EE	Empty Equipment Dispatched
FT	Free Time Expired
HR	FDA Released
I	In Gate
K	Customs Submitted
NF	Free Time To Expire
O	Documents Received
OA	Out Gate (Delivered)
OB	Original Bill of Lading Received
PI	FDA Hold
RD	Returned Empty
RL	Rail Departure
UR	Unloaded
UV	Unload Vessel
VA	Vessel Arrival
VD	Vessel Departure
X6	UpdateCurPos
Z8	Delivered

B404	Date	O	DT	8/8	Must use

	Description: Date (expressed as CCYYMMDD) of last reported status of cargo, where CCYY = four-digit year, MM = two-digit Month, DD = two-digit day of the month				
B405	Status Time	O	TM	4/4	Must use
	Description: Time (expressed as HHMM) of last reported status of cargo, where H = hours (00-23), M = minutes (00-59)				
B407	Equipment Initial	X	AN	1/4	Used
	Description: Prefix or alphabetic part of an equipment units and identifying number				
B408	Equipment Number	X	AN	1/10	Used
	Description: Sequencing or serial part of an equipment units and identifying number (pure numeric form for equipment number is preferred)				
B411	Location Identifier	X	AN	1/30	Used
	Description: Location Identifier				
B413	Equipment Number Check Digit	O	N0	1/1	Used
	Description: Number which designates the check digit applied to a piece of equipment				

Example:

B4***OB*20090105*1530**CA10*EQ11*L*42R0*USNYC*UN*1~

N9 Reference Identification — Optional — Max: 30

User Option (Usage): Recommended

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

Syntax Note: 1. At least one of N902 or N903 is required.

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
N901	Reference Identification Qualifier	M	ID	2/3	Must use
	Description: Code qualifying the Reference Identification Code: Name BM: Bill of Lading Number BN: Booking Number CR: Customer Reference EQ: Equipment Number				
N902	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	Free-form descriptive text	X	AN	1/45	Optional
	Description: Free-form descriptive text				
N904	Date	O	DT	8/8	Optional
	Description:Date expressed as CCYYMMDD				
N905	Time	X	TM	4/8	Optional
	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	Time code (Zone)	O	ID	2/2	Optional
	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				

Example:

N9*BN*0321-OCBN~

SG	Shipment Status	Optional	Max: 15

User Option (Usage): Recommended
Purpose: To convey the status of a shipment

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
SG02	Status Reason Code	X	ID	3/3	Optional
	Description: Code indicating the status reason				

Loop R4	Loop Port or Terminal	Mandatory	Repeat 20

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
600	R4	Port or Terminal	M	1		Must use
700	DTM	Date/Time Reference	O	15		Used

R4	Port or Terminal	Mandatory	Max: 1

User Option (Usage): Must use

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

Syntax Note: 1. If either R402 or R403 is present, then the other is required.

Element Summary:

<table>
<tr><th>Ref</th><th>Element Description</th><th>Req</th><th>Type</th><th>Min/Max</th><th>Usage</th></tr>
<tr><td>R401</td><td>Port or Terminal Function Code</td><td>M</td><td>ID</td><td>1/1</td><td>Must use</td></tr>
<tr><td></td><td>Description: Code defining function performed at the port or terminal with respect to a shipment
<table>
<tr><th>Code</th><th>Name</th></tr>
<tr><td>D</td><td>Port of Discharge (Operational)
Port at which cargo is unloaded from vessel</td></tr>
<tr><td>E</td><td>Place of Delivery (Contractual)
Place at which cargo leaves its care and custody of carrier</td></tr>
<tr><td>L</td><td>Port of Loading (Operational)
Port at which cargo is loaded on vessel</td></tr>
<tr><td>5</td><td>Activity Location
Place at which activity being reported is occurring
Location type not specified by carrier</td></tr>
</table></td><td colspan="4"></td></tr>
<tr><td>R402</td><td>Location Qualifier</td><td>X</td><td>ID</td><td>1/2</td><td>NA</td></tr>
</table>

	Description: Code identifying type of location. Code: EA — Name: Event Location				
R403	Location Identifier	X	AN	1/30	Must use
	Description: Free-form name of the place where the event occurred.				
R404	Port Name	O	AN	2/24	Optional
	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	Country Code	O	ID	2/3	Optional
	Description: Country Code				
R406	Terminal Name	O	AN	2/30	Optional
	Description: Country Code				
R407	Pier Number	O	AN	1/4	Optional
	Description: Country Code				
R408	State or Province Code	O	ID	2/2	Optional
	Description: Country Code				

Example:

R4*D*EA*USNYC**US~

DTM Date/Time Reference — Optional — Max: 15

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
DTM01	Date/Time Qualifier	M	ID	3/3	Used
	Description: Code specifying type of date Code: 139 = Estimated; 140 = Actual				
DTM02	Date	X	DT	8/8	Used
	Description: Date (expressed as CCYYMMDD), where CCYY = four-digit year, MM = two-digit Month, DD = two-digit day of the month				
DTM03	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)				
DTM04	Time Code	O	ID	2/2	Optional
	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	Date Time Period Format Qualifier	X	ID	2/3	Conditional
	Description: Code indicating the date format, time format, or date and time format				
DTM06	Date Time Period	X	AN	1/35	Conditional
	Description: Expression of a date, a time, or range of dates, times or dates and times				

Example:

DTM*139*20090105*161500~

SE Transaction Set Trailer — Mandatory — Max: 1

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	Element Description	Req	Type	Min/Max	Usage
SE01	Number of Included Segments	M	N0	1/10	Used
	Description: Count of segments included (does not include Header and Footer segments				
SE02	Transaction Set Control Number	M	AN	4/9	Used
	Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set. Same as Transaction Set Control Number as in ST segment				

Example:

SE*7*0001~

GE Functional Group Trailer — Mandatory — Max: 1

User Option (Usage): Must Use
Purpose: To indicate the end of a functional group and to provide control information

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
GE01	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	Group Control Number	M	N0	1/9	Must Use
	Description: Assigned number originated and maintained by the sender. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.				

Example:

GE*1*100000722~

IEA Interchange Control Trailer — Mandatory — Max: 1

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	Element Description	Req	Type	Min/Max	Usage
IEA01	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	Interchange Control Number	M	N0	9/9	Must Use
	Description: A control number assigned by the interchange sender				

Example:

IEA*1*100000722~

Sample EDI 315:

ISA*00* *00* *ZZ*CLEINT *ZZ*CU1000 *090322*0737*U*00401*100000722*0*T*+~

GS*QO*CLEINT*CU1000*20090322*0737*100000722*X*004010~

ST*315*0001~

B4***OB*20090105*1530**CA10*EQ11*L*42R0*USNYC*UN*1~

N9*BN*0321-OCBN~

N9*BM*BM0105~

R4*D*EA*USNYC**US~

DTM*139*20090105*161500~

SE*7*0001~

GE*1*100000722~

IEA*1*100000722~