315 Status Details (Ocean)

Introduction:

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.

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	005	ISA	Interchange Control Header	M	1		
M	008	GS	Functional Group Header	M	1		
M	010	ST	Transaction Set Header	M	1		
M	020	B4	Beginning Segment for Inquiry or Reply	M	1		
	030	N9	Reference Identification	O	30		
	040	Q2	Status Details (Ocean)	O	1		
Not Used	050	SG	Shipment Status	O	15		
			LOOP ID - R4			20	
M	060	R4	Port or Terminal	M	1		
	070	DTM	Date/Time Reference	O	15		
Not Used	080	V9	Event Detail	O	10		
M	090	SE	Transaction Set Trailer	M	1		
M	100	GE	Functional Group Trailer	M	1		
M	110	IEA	Interchange Control Trailer	M	1		

	Segment:	**ISA** Interchange Control Header		
	Position:	005		
	Loop:			
	Level:			
	Usage:	Mandatory		
	Max Use:	1		
	Purpose:	To start and identify an interchange of zero or more functional groups and interchange-related control segments		
	Syntax Notes:			
	Semantic Notes:			
	Comments:			
	Notes:	ISA*00* *00* *ZZ*PARTNERCODE *ZZ*MSCU *020401*1330*U*00400*000010000*0*P*^		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	ISA01	I01	**Authorization Information Qualifier**	**M**	**ID 2/2**

Code to identify the type of information in the Authorization Information

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

	Ref. Des.	Data Element	Name	Attributes	
M	ISA02	I02	**Authorization Information**	**M**	**AN 10/10**

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)

	Ref. Des.	Data Element	Name	Attributes	
M	ISA03	I03	**Security Information Qualifier**	**M**	**ID 2/2**

Code to identify the type of information in the Security Information

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

	Ref. Des.	Data Element	Name	Attributes	
M	ISA04	I04	**Security Information**	**M**	**AN 10/10**

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)

	Ref. Des.	Data Element	Name	Attributes	
M	ISA05	I05	**Interchange ID Qualifier**	**M**	**ID 2/2**

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

ZZ	Mutually Defined

	Ref. Des.	Data Element	Name	Attributes	
M	ISA06	I06	**Interchange Sender ID**	**M**	**AN 15/15**

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

Trading Partner ID

	Ref. Des.	Data Element	Name	Attributes	
M	ISA07	I05	**Interchange ID Qualifier**	**M**	**ID 2/2**

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

ZZ	Mutually Defined

	Ref. Des.	Data Element	Name	Attributes	
M	ISA08	I07	**Interchange Receiver ID**	**M**	**AN 15/15**

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

'MSCU'

	Ref. Des.	Data Element	Name	Attributes	
M	ISA09	I08	**Interchange Date**	**M**	**DT 6/6**

Date of the interchange

YYMMDD

	Ref. Des.	Data Element	Name	Attributes	
M	ISA10	I09	**Interchange Time**	**M**	**TM 4/4**

Time of the interchange

			HHMM		
M	ISA11	I10	**Interchange Control Standards Identifier**	M	ID 1/1

Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer

    U   U.S. EDI Community of ASC X12, TDCC, and UCS

M	ISA12	I11	**Interchange Control Version Number**	M	ID 5/5

This version number covers the interchange control segments

    00400   Standard Issued as ANSI X12.5-1997

M	ISA13	I12	**Interchange Control Number**	M	N0 9/9

A control number assigned by the interchange sender

M	ISA14	I13	**Acknowledgment Requested**	M	ID 1/1

Code sent by the sender to request an interchange acknowledgment (TA1)

    0   No Acknowledgment Requested

M	ISA15	I14	**Usage Indicator**	M	ID 1/1

Code to indicate whether data enclosed by this interchange envelope is test, production or information

    P   Production Data

    T   Test Data

M	ISA16	I15	**Component Element Separator**	M	AN 1/1

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

				Segment:	**GS** Functional Group Header

Segment: **GS** Functional Group Header

Position: 008
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a functional group and to provide control information
Syntax Notes:
Semantic Notes:
    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.
Notes: GS*QO*PARTNER CODE*MSCU*20020401*1330*1000*X*004010

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	GS01	479	**Functional Identifier Code**	M	**ID 2/2**

Code identifying a group of application related transaction sets

    QO   Ocean Shipment Status Information (313, 315)

M	GS02	142	**Application Sender's Code**	M	**AN 2/15**

Code identifying party sending transmission; codes agreed to by trading partners
Trading Partner's ID

M	GS03	124	**Application Receiver's Code**	M	**AN 2/15**

Code identifying party receiving transmission; codes agreed to by trading partners
"MSCU"

M	GS04	373	**Date**	M	**DT 8/8**

Date expressed as CCYYMMDD

M	GS05	337	**Time**	M	**TM 4/8**

Time expressed in 24-hour clock time as follows: HHMM

M	GS06	28	**Group Control Number**	M	**N0 1/9**

Assigned number originated and maintained by the sender

M	GS07	455	**Responsible Agency Code**	M	**ID 1/2**

Code used in conjunction with Data Element 480 to identify the issuer of the standard

    X   Accredited Standards Committee X12

M	GS08	480	**Version / Release / Industry Identifier Code**	M	**AN 1/12**

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

    004010   Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

Segment:	**ST** Transaction Set Header				

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:
Notes: ST*315*0001

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	ST01	143	**Transaction Set Identifier Code**	M	ID 3/3
			Code uniquely identifying a Transaction Set		
			315　　　　　　　Status Details (Ocean)		
M	ST02	329	**Transaction Set Control Number**	M	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		

	Segment:	**B4** Beginning Segment for Inquiry or Reply		

Segment: **B4** Beginning Segment for Inquiry or Reply
Position: 020
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set
Syntax Notes: 1 If either B407 or B408 is present, then the other is required.
2 If either B411 or B412 is present, then the other is required.
Semantic Notes: 1 B404 is the date of last reported status of cargo.
Comments:
Notes: B4***AE*20020401*2235**MSCU*123456*L*4310*DEHAM*UN*7

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
X	B401	152	Local Agency Solution Shipment Status Code	O	ID 1/10
X	B402	71	Inquiry Request Number	O	N0 1/3
M	B403	157	Shipment Status Code	M	ID 1/3

Code indicating the status of a shipment

Supplide Values:

AE	Loaded on Vessel	
AL	Loaded on Rail	
AO	Loaded on Barge	
AR	Rail Arrival at Destination Intermodal Ramp	
CR	Carrier Release	
I	In-Gate	
OA	Out-Gate	
RL	Rail Departure from Origin Intermodal Ramp	
UO	Unloaded from Barge	
UR	Unloaded from a Rail Car	
UV	Unloaded From Vessel	

	Ref. Des.	Data Element	Name	Attributes	
M	B404	373	Date	M	DT 8/8

Date expressed as CCYYMMDD

Date of Event, (must provide century) MANDATORY

M	B405	161	Status Time	M	TM 4/4

Time (HHMM) of last reported status of cargo

MANDATORY

X	B406	159	Status Location	O	AN 3/5
	B407	206	Equipment Initial	O	AN 1/4

Prefix or alphabetic part of an equipment unit's identifying number

MANDATORY FOR CARRIER OWN CONTAINERS ONLY

M	B408	207	Equipment Number	M	AN 1/10

Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)

Container number.
MANDATORY

M	B409	578	Equipment Status Code	M	ID 1/2

Code indicating status of equipment

Accepted values:

E	Empty	
L	Load	

M	B410	24	Equipment Type	M	ID 4/4

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Sensitivity: Public

Code identifying equipment type

Has to be Valid Container ISO Code

M	B411	310	**Location Identifier**	M	**AN 1/30**

Code which identifies a specific location

Event Location is MANDATORY
ISO Location code
City Name in case B412 is 'CI'

M	B412	309	**Location Qualifier**	M	**ID 1/2**

Code identifying type of location

Accepted values:

CI	City
UN	United Nations Location Code (UNLOCODE)

	B413	761	**Equipment Number Check Digit**	O	**N0 1/1**

Number which designates the check digit applied to a piece of equipment

MANDATORY FOR CARRIER OWN CONTAINERS ONLY

Segment:	**N9** Reference Identification
Position:	030
Loop:	
Level:	
Usage:	Optional
Max Use:	30
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:	1 At least one of N902 or N903 is required.
Semantic Notes:	
Comments:	
Notes:	N9*BN*Carrier Booking Number

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N901	**128**	**Reference Identification Qualifier**	**O ID 2/3**
		Code qualifying the Reference Identification	
		ACC Status	
		BM Bill of Lading Number	
		BN Booking Number	
		CA Cost Allocation Reference	
		CT Contract Number	
		LS Bar-Coded Serial Number	
		4F Carrier-assigned Shipper Number	
		P8 Pickup Reference Number	
		QJ Return Material Authorization Number	
		REF Leasing company reference	
		SN Seal Number	
		SNC Customs Seal Number	
		SNL Customer Seal Number	
		SNM Carrier Seal Number	
		SNN No Seal Number	
		SNS Shipper Seal Number	
		SNT Terminal Seal Number	
		SNV State Non-Resident Violator Compact	
		SO Shipper's Order (Invoice Number)	
N902	**127**	**Reference Identification**	**X AN 1/30**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
		MANDATORY When used with N901 ACC it should contain NEW*unique number - to report first creation UPDATE*same unique number from NEW reporting – to report updated DELETE*same unique number from NEW reporting – to report cancellation	
N903	**369**	**Free-form Description**	**X AN 1/45**
		Reference number is unique for a container event and mandatory when N901 is ACC.	
		Example: N9*ACC*NEW*123456~ N9*ACC*UPDATE*123456~ N9*ACC*DELETE*123456~	

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Sensitivity: Public

	Segment:	**Q2** Status Details (Ocean)
	Position:	040
	Loop:	
	Level:	
	Usage:	Optional
	Max Use:	1
	Purpose:	To transmit identifying information relative to identification of vessel, transportation dates, lading quantity, weight, and cube
	Syntax Notes:	
	Semantic Notes:	
	Comments:	
	Notes:	Q2*9017020*DK*******43W***L*VESSEL NAME

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
	Q201	**597**	**Vessel Code**	**O**	**ID 1/8**
			Code identifying vessel		
			Lloyd's code, Call Sign		
	Q202	**26**	**Country Code**	**O**	**ID 2/3**
			Code identifying the country		
X	**Q203**	**373**	**Date**	**O**	**DT 8/8**
X	**Q204**	**373**	**Date**	**O**	**DT 8/8**
X	**Q205**	**373**	**Date**	**O**	**DT 8/8**
X	**Q206**	**80**	**Lading Quantity**	**O**	**N0 1/7**
X	**Q207**	**81**	**Weight**	**O**	**R 1/10**
X	**Q208**	**187**	**Weight Qualifier**	**O**	**ID 1/2**
	Q209	**55**	**Flight/Voyage Number**	**O**	**AN 2/10**
			Identifying designator for the particular flight or voyage on which the cargo travels		
X	**Q210**	**128**	**Reference Identification Qualifier**	**O**	**ID 2/3**
X	**Q211**	**127**	**Reference Identification**	**O**	**AN 1/30**
	Q212	**897**	**Vessel Code Qualifier**	**O**	**ID 1/1**
			Code specifying vessel code source		
			Accepted value:		
		C	Ship's Radio Call Signal		
		L	Lloyd's Register of Shipping		
	Q213	**182**	**Vessel Name**	**O**	**AN 2/28**
			Name of ship as documented in "Lloyd's Register of Ships"		

Sensitivity: Public

Segment:		**R4** Port or Terminal		

Segment: **R4** Port or Terminal

Position:	060
Loop:	R4 Mandatory
Level:	
Usage:	Mandatory
Max Use:	1
Purpose:	Contractual or operational port or point relevant to the movement of the cargo
Syntax Notes:	**1** If either R402 or R403 is present, then the other is required.
Semantic Notes:	
Comments:	**1** R4 is required for each port to be identified.
Notes:	Sample 1:

Sample 1:
R4*L*UN*DEHAM*HAMBURG
Sample 2:
R4*R*CI*FRXXX*MONTOIR*FR
Sample 3:
Terminal/Depot Code R4*5*UN*BEANR*ANTWERP**S913

At least one instance of the R4 loop is MANDATORY

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**R401**	**115**	**Port or Terminal Function Code**	**M**	**ID 1/1**

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

Accepted values:

5	Activity Location (Operational)	
	Place at which the activity being reported is occurring	
D	Port of Discharge (Operational)	
	Port at which cargo is unloaded from vessel	
E	Place of Delivery (Contractual)	
	Place at which cargo leaves its care and custody of carrier	
L	Port of Loading (Operational)	
	Port at which cargo is loaded on vessel	
M	Destination (Operational)	
	Place at which carrier actually turns cargo to consignee or his agent	
	Should provide the destination of the inland move and not the final destination of the unit (i.e. next event location)	
R	Place of Receipt (Contractual)	
	Place at which cargo enters the care and custody of carrier	
S	Return Pool (Operational)	
	Place at which equipment is returned	
	Unit restitution location i.e. place where unit is returned empty or full after being stripped or stuffed by client	
T	Transshipment Port (Contractual)	
	Place at which cargo is transferred to another carrier	

	Ref. Des.	Data Element	Name	Attributes	
	R402	**309**	**Location Qualifier**	**X**	**ID 1/2**

Code identifying type of location

Accepted values:

CI	City
UN	United Nations Location Code (UNLOCODE)

	Ref. Des.	Data Element	Name	Attributes	
	R403	**310**	**Location Identifier**	**X**	**AN 1/30**

Code which identifies a specific location

UNLOCODE,.
POL and POD must be ISO Codes, In case Delivery and/or receipt are not ISO Locations XXX NOTATION AS IN DTX MAY BE USED AND R403 SHOULD MENTION "CI" NOT "UN"

R404	**114**	**Port Name**	**O**	**AN 2/24**

Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property City Name or Port Location

R405	**26**	**Country Code**	**O**	**ID 2/3**

Code identifying the country

R406	**174**	**Terminal Name**	**O**	**AN 2/30**

Free-form field for terminal name

	Segment:	**DTM** Date/Time Reference

Segment: **DTM** Date/Time Reference
Position: 070
Loop: R4   Mandatory
Level:
Usage: Optional
Max Use: 15
Purpose: To specify pertinent dates and times
Syntax Notes: 1   At least one of DTM02 DTM03 or DTM05 is required.
Semantic Notes:
Comments:
Notes: DTM*139*20020401*0800

Represents the Date and Time of the Port Activity.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	DTM01	374	Date/Time Qualifier	M	ID 3/3

Code specifying type of date or time, or both date and time

accepted values:

139	Estimated	
	Estimated Arrival Date	
140	Actual	
	Actual Arrival Date	
369	Estimated Departure Date	
370	Actual Departure Date	

	Ref. Des.	Data Element	Name		Attributes
	DTM02	373	Date	X	DT 8/8

Date expressed as CCYYMMDD

| | DTM03 | 337 | Time | X | TM 4/8 |

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)

			Segment:	**SE** Transaction Set Trailer	

Segment: **SE** Transaction Set Trailer

Position:	090
Loop:	
Level:	
Usage:	Mandatory
Max Use:	1
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)
Syntax Notes:	
Semantic Notes:	
Comments:	1 SE is the last segment of each transaction set.
Notes:	SE*11*0001

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	SE01	96	**Number of Included Segments**	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329	**Transaction Set Control Number**	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

Sensitivity: Public

Segment:	**GE** Functional Group Trailer			
Position:	100			
Loop:				
Level:				
Usage:	Mandatory			
Max Use:	1			
Purpose:	To indicate the end of a functional group and to provide control information			
Syntax Notes:				
Semantic Notes:	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.		
Notes:	GE*1*1000			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	GE01	97	**Number of Transaction Sets Included**	M N0 1/6
			Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	
M	GE02	28	**Group Control Number**	M N0 1/9
			Assigned number originated and maintained by the sender	

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Sensitivity: Public

			Segment:	**IEA** Interchange Control Trailer

Segment: **IEA** Interchange Control Trailer

Position: 110
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Syntax Notes:
Semantic Notes:
Comments:
Notes: IEA*1*000010000

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	IEA01	I16	**Number of Included Functional Groups**	M	N0 1/5
			A count of the number of functional groups included in an interchange		
M	IEA02	I12	**Interchange Control Number**	M	N0 9/9
			A control number assigned by the interchange sender		

Appendix 1

Below table describes all currently supported container events together with mandatory elements associated with them. All container events (apart from the mandatory elements mentioned in this table) need to be reported with fully qualified B4 segment, at least one R4 segment (R4*5) and at least one DTM segment Container events are mandatory depending on type of activities in your area. For example, if you on-hire (lease) containers in your area, reporting of On-Hire event (ON) is mandatory

Pre/On-Carriage cycle			
B403	B409	Description	Mandatory elements
AL	L or E	Loaded on Rail	R4*M;R4*S
AO	L or E	Loaded on Barge	
AR	L or E	Rail arrival at destination rail ramp	
I	L or E	Gate in	N9*BN or N9*BM for full gate in export; N9*QJ for empty gatein
OA	L or E	Gate out	R4*M;R4*S;N9*P8
RL	L or E	Rail departed Origin	R4*M;R4*S
UM	L or E	Unloaded from truck	
UO	L or E	Unloaded from barge	
UP	L or E	Unloaded from Feeder vessel	R4*L;R4*D
UR	L or E	Unloaded from Rail	
OA	AJ	Positioned out	R4*M;R4*S

Ocean Sector cycle

B403	B409	Description	Mandatory elements
AE	L or E	Loaded on vessel	R4*L;R4*D;Q2-fully qualified
UV	L or E	Discharged from Vessel	R4*L;R4*D;Q2-fully qualified

Freight/Customs

B403	B409	Description	Mandatory elements
CR	L or E	Carrier Release	

Description of mandatory elements

R4*L	Port of Loading
R4*D	Port of discharge
R4*M	Destination (for inland moves)
R4*S	Return Pool (Unit's Restitution Location)
R4*T	Transhipment Port
N9*BN	Booking number
N9*BM	Bill of Lading number
N9*CA	Carrier SCAC code
N9*LS	Leasing Company SCAC (BIC) code
N9*SO	Shipping Instruction number
N9*P8	Pickup Reference Number
N9*QJ	Return Equipment Authorization Number (Turn In Reference)
N9*REF	Leasing company reference