HAMBURG SÜD

ASC X12 Release 4010

315
Status Details (Ocean)

Message Implementation Guide

Version 1.1.1

Change history

Version	Date	Comments
1.0.0	15-Jul-2016	Initial version
1.0.1	26-Sep-2016	Added new References for N9 segment: CO - Customer Order Number SI - Shipper's Identifying Number for Shipment (SID)
1.1.0	10-Aug-2017	Rail Road Carrier Name is now reported as a reference in N9*RR Motor Carrier (Truck) Name is now reported as a reference in N9*MCI Vessel Name is being reported as a reference in N9*WU in addition to the information in Q2 segment
1.1.1	04-Jan-2018	Added new Ocean and Truck Status Event Codes: C - Estimated Time of Departure (ETD) Delay E - Estimated Time of Arrival (ETA) Delay AA - Pickup Appointment Date and Time

Contact our eCommerce team:

Hamburg Süd
Customer Order Management

Willy-Brandt-Str. 59-61
20457 Hamburg
Germany

Email: ecommerce@hamburgsud.com

Contents

1 Audience

This document is intended for business, technical and EDI personnel engaged in establishing an electronic connection with Hamburg Süd for the purpose of receiving status messages for container movements via ASC X12 315 Release 4010.

The following chapters provide information regarding General Conventions and Message Specifications.

2 General Information

2.1 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.

Directory

An EDI directory is published three times a year and versioned. The version number is a four digit numeric code that is incremented by each release. The specifications within this manual conform to the directory approved by the ASC X12 Board in October 1997 the directory code of X12-4010.

Each directory contains sub-directories for messages, segments, composites and data elements, all of which may change with directory versions. However, since a directory version is permanent, there is no need to update computer applications when specific directory has been adopted.

Interchange

An interchange is a group of messages that are sent in one transmission. This means that it is possible to have more than one message within an interchange.

Message

A message can be described as a business transaction. Therefore, where appropriate, a message is often referred to as a transaction rather than a message. A transaction could be a new entry, a new line, a change to a line, a cancellation of line etc.
A full list of messages can be retrieved from a sub-directory within all directory versions, called the message directory. Each message has its own description and structure, which may differ by directory version.

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. Usually this defines one segment contains one item of business data (i.e. field or attribute). For example Place of Origin, Port of Loading, Port of Discharge are all locations. The segment used for location is called R4. There are, however, segments that include more than one item of business data. For example Transport Mode, Voyage Number and Vessel are all classified as transport details included in the respective segment.

Whilst a message has a standard structure of segments, there is also a separate subdirectory for segments within directory versions, known as the segment directory. Each segment has its own description and structure, which may differ by directory version.

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 voyage (using Q2), 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.

Whilst a segment has a standard structure, there is also a separate subdirectory for composite elements within directory versions, known as the composite data element directory. Each composite element has its own description and structure, which may differ within directory version.

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.

There is also a separate sub-directory for data elements within directory versions, known as the data element directory. Like many other sub-directories, the data element sub-directory contains descriptions and other information. In addition, some data elements also have associated code lists, which are published by organizations such as the International Standards Organization (ISO), or the United Nations. However, it is often possible for trading partners to use their own code list.

2.2 Processing Guidelines

Hamburg Süd is sending status events via 315 messages to the customer. A single message may contain several transactions.

EDI communication depends on Trading Partnership and will be mutually defined within a separate agreement. Common protocols for the transmission of messages are e.g. FTP or SFTP.

2.3 Functional Description

Usage of Port Function Code in the R4 Segment

Please consider the following rules when handling the port function codes:

- Ports used for transshipment will be reported with the port function code "T".
- The R4 loop can include an activity location as a separate segment with the port function code "5".
- Interim points are used for event locations and transports other than the main ocean legs. This can be e.g. terminal shunting's with barge, in transit rail events, etc.

Instructions for Usage of Rail Events

Besides regular rail events, Hamburg Süd will also send in-transit messages. When a train is passing specific locations on its way to the destination, Hamburg Süd will report those events as arrival at interim rail location (A) and departure from interim rail location (P).

Rail events will only contain the transport plan for the current rail leg. Often, rail events will not contain an UN location code. Instead they will contain a city name.

Instructions for Usage of Truck Events

Truck events will in most cases not contain an UN location code and will only contain the transport plan for the current truck leg.

Instructions for Usage of Administrative Events

Administrative events, such as Carrier Release, Customs Release, etc., will be reported without a detailed transport plan. Those events will only contain the location where the event occurred along with the standard references.

Differentiation of Vessel Load Events

Please note that load movements to a vessel are differentiated within this 315 status message. Besides the regular vessel load event (AE), Hamburg Süd is also sending Feeder load (AP) as well as Barge load (AO) events.

2.4 Status Indicators and Usage Indicators

2.4.1 Status Indicators

Status Indicators ("M" and "C") form part of the ANSI X12 standard and indicate a minimum requirement to fulfill the needs of the message structure. They are not adequate for implementation purposes.
The Status Indicators are:

Value	Description
M	Mandatory
	The entity marked as such must appear in all messages, and apply to these messages as well as to any associated implementation guidelines (and consequently is also a Usage Indicator).
C	Conditional
	The entity is used by agreement between trading partners

2.4.2 Usage Indicators

Usage Indicators are implementation–related indicators that further detail the use of "Conditional" Status 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.
R	Required
	Indicates the item must be transmitted in this implementation.
D	Dependent
	Indicates that the use of the item is depending on a well-defined condition or set of conditions. These conditions must be clearly specified in the relevant implementation guideline.
O	Optional
	Indicates that this item is at the need or discretion of both trading partners.
X	Not Used
	Indicates that this item is not used in this implementation. If present, it will be disregarded.
NA	Not Recommended (Advised)
	Indicates the item needn't be transmitted in this implementation.
A	Advised
	Indicates the item must is recommended to be transmitted in this implementation.

Where an item within a segment group, segment or composite data element is marked with Usage Indicators "M" or "R", but the segment group, segment or composite data element has been marked "O" or "D" (or for that matter "X"), the item is only to be transmitted when the segment group, segment or composite of which it is a part, is used.

2.4.3   Format

The format is used to describe the official format requirements within ASC X12-4010 directory.

Examples

a3	3 alphabetic characters, fixed length
n6	6 numeric characters, fixed length
an5	5 alphanumeric characters, fixed length
a..6	up to 6 alphabetic characters
an..35	up to 35 alphanumeric characters
n..6	up to 6 numeric characters

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3   ANSI X12 315 segment table of contents

Functional Group ID=QO

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	003	ISA	Interchange Control Header	M	1		
M	005	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		
M	030	N9	Reference Identification	M	30		
	040	Q2	Status Details (Ocean)	O	1		
X	050	SG	Shipment Status	O	1		
			LOOP ID - R4			20	
M	060	R4	Port or Terminal	M	1		
	070	DTM	Date/Time Reference	O	15		
X	080	V9	Event Detail	O	1		
M	090	SE	Transaction Set Trailer	M	1		
M	095	GE	Functional Group Trailer	M	1		
M	098	IEA	Interchange Control Trailer	M	1		

4 Branch Diagram

LEVEL		
0		
1		
2		

ISA M 1
GS M 1
ST M 1
B4 M 1
N9 M 30
Q2 O 1
R4 M 20 1
DTM O 15
SE M 1
GE M 1
IEA M 1
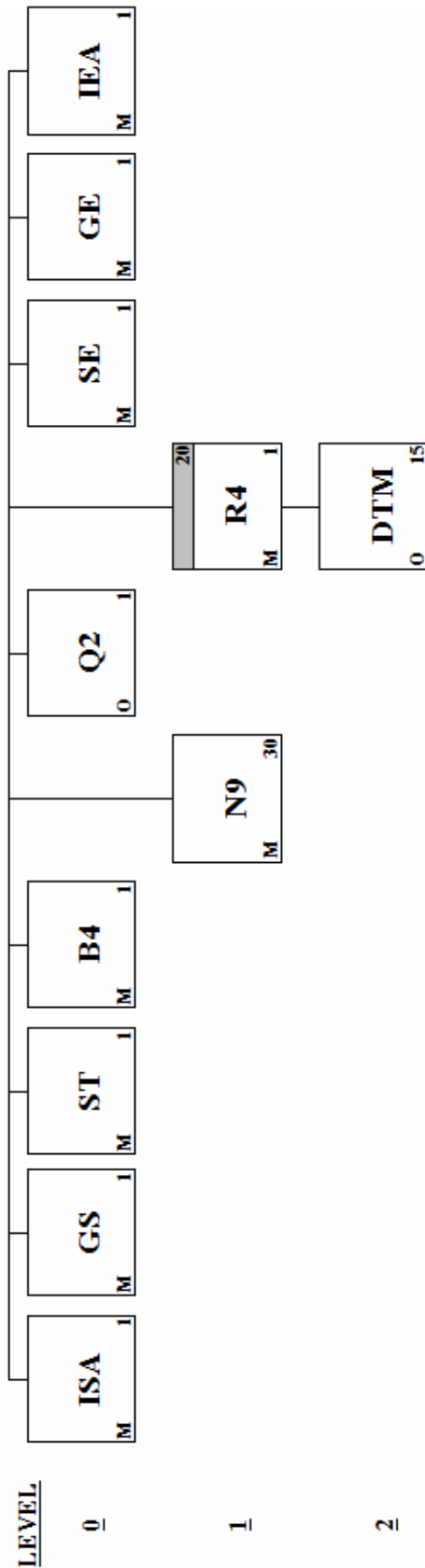
5   Segment Description

Segment:	**ISA** Interchange Control Header			
Position:	003			
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			
Comments:				
Notes:	Example Syntax			

ISA*00*   *00*   *ZZ*HAMSUD   *ZZ*PARTNERID
*160526*2245*U*00401*053849086*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		
			Provided values:		
			00	No Authorization Information Present (No Meaningful Information in I02)	
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)		
M	ISA03	I03	**Security Information Qualifier**	**M**	**ID 2/2**
			Code to identify the type of information in the Security Information		
			Provided values:		
			00	No Security Information Present (No Meaningful Information in I04)	
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)		
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		
			Provided values:		
			ZZ	Mutually Defined	
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		
			Provided values:		
			HAMSUD	Hamburg Süd Sender ID	

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

Provided values:

ZZ	Mutually Defined

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

Trading Partner ID

M	ISA09	I08	**Interchange Date**	M	DT 6/6

Date of the interchange

Format YYMMDD

Example: 160526 (26th May 2016)

M	ISA10	I09	**Interchange Time**	M	TM 4/4

Time of the interchange

Format HHMM

Example: 2245 (10:45 pm)

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

Provided values:

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

Provided values:

00401	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 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)

Provided values:

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

Provided values:

P	Production 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

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Segment:	**GS** Functional Group Header	
Position:	005	
Loop:		
Level:		
Usage:	Mandatory	
Max Use:	1	
Purpose:	To indicate the beginning of a functional group and to provide control information	
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:	Example Syntax	
	GS*QO*HAMSUD*RECEIVER ID*20160526*2245*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		
			Provided values:		
			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		
			Provided values:		
			HAMSUD Hamburg Süd Sender ID		
M	GS03	124	**Application Receiver's Code**	M	AN 2/15
			Code identifying party receiving transmission; codes agreed to by trading partners		
			Trading Partner's ID		
M	GS04	373	**Date**	M	DT 8/8
			Date expressed as CCYYMMDD		
			Example: 20160526 (26th May 2016)		
M	GS05	337	**Time**	M	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMMSS where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59)		
			Example: 224529 (10:45:29 pm)		
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		
			Provided values:		
			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

Provided values:

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

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	
Comments:				
Notes:			Example Syntax	

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		
			Provided values:		
			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		
Position:		020		
Loop:				
Level:				
Usage:		Mandatory		
Max Use:		1		
Purpose:		To transmit identifying numbers, dates, and other basic data relating to the transaction set		
Comments:				
Notes:		Example Syntax		

B4***VD*20160526*2245**HASU*431617*L*45G1*DEHAM*UN*0~
B4***VD*20160526*2245**HASU*431617*L*45G1*JACKSONVILLE, FL, US*CI*0~

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
X	B401	152	**Special Handling Code**	O	ID 2/3
X	B402	71	**Inquiry Request Number**	O	N0 1/3
M	B403	157	**Shipment Status Code**	M	ID 1/2
			Code indicating the status of a shipment		
			Please refer to the status event codes list in the appendix.		
	B404	373	**Date**	M	DT 8/8
			Date expressed as CCYYMMDD		
			Example: 20160526 (26th May 2016)		
	B405	161	**Status Time**	M	TM 4/4
			Time (HHMM) of last reported status of cargo		
			Example: 2245 (10:45 pm)		
X	B406	159	**Status Location**	O	AN 3/5
	B407	206	**Equipment Initial**	X	AN 1/4
			Prefix or alphabetic part of an equipment unit's identifying number		
	B408	207	**Equipment Number**	X	AN 1/10
			Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)		
	B409	578	**Equipment Status Code**	M	ID 1/2
			Code indicating status of equipment		
			E Empty		
			L Load		
	B410	24	**Equipment Type**	O	ID 4/4
			Code identifying equipment type		
			ISO Equipment Type Code according to ISO 6346:1995 Example: 45G1		
	B411	310	**Location Identifier**	X	AN 1/30
			Code which identifies a specific location		
			UN location code or city name. Example UN location code: USDAL (Dallas, TX, US) Example city name: JACKSONVILLE, FL, US		
	B412	309	**Location Qualifier**	X	ID 1/2
			Code identifying type of location		
			Provided values:		

CI   City

UN   United Nations Location Code (UNLOCODE)

B413   761   Equipment Number Check Digit   M   N0 1/1

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

Segment: **N9** Reference Identification
Position: 030
Loop:
Level:
Usage: Mandatory
Max Use: 30
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Comments:
Notes:

Example Syntax

N9*BN*6PHLSA1234~
N9*IB*82564523**20160523*224521*LT~

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	N901	128	Reference Identification Qualifier	M	ID 2/3

Code qualifying the Reference Identification

Provided values:

4F	Carrier-assigned Shipper Number	
	Customer number assigned by Hamburg Süd	
BM	Bill of Lading Number	
BN	Booking Number	
CO	Customer Order Number	
CR	Customer Reference Number	
EQ	Equipment Number	
FN	Forwarder's/Agent's Reference Number	
IB	In Bond Number	
	In Bond Number will be accompanied by date and time data elements	
MCI	Motor Carrier Identification Number	
	Motor Carrier Name (Truck)	
RR	Rail Road Carrier Name (Rail)	
SCA	Standard Carrier Alpha Code (SCAC)	
SI	Shipper's Identifying Number for Shipment (SID)	
SN	Seal Number	
WU	Vessel	

	Ref. Des.	Data Element	Name		Attributes
	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

	N903	369	Free-form Description	X	AN 1/45

Free-form descriptive text

	N904	373	Date	O	DT 8/8

Date expressed as CCYYMMDD

Example: 20160526 (26th May 2016)

	N905	337	Time	X	TM 4/8

Time expressed in 24-hour clock time as follows: HHMMSS, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59)

Example: 224526 (10:45:26 pm)

	N906	623	**Time Code**		O	ID 2/2

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

Provided values:

    LT   Local Time

X	N907	C040	**Reference Identifier**		O	

To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

X	C04001	128	**Reference Identification Qualifier**		M	ID 2/3

Code qualifying the Reference Identification

Refer to 004010 Data Element Dictionary for acceptable code values.

X	C04002	127	**Reference Identification**		M	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

X	C04003	128	**Reference Identification Qualifier**		X	ID 2/3

Code qualifying the Reference Identification

Refer to 004010 Data Element Dictionary for acceptable code values.

X	C04004	127	**Reference Identification**		X	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

X	C04005	128	**Reference Identification Qualifier**		X	ID 2/3

Code qualifying the Reference Identification

Refer to 004010 Data Element Dictionary for acceptable code values.

X	C04006	127	**Reference Identification**		X	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

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	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
	Comments:	
	Notes:	Example Syntax

Q2*9449160*DE*******371S***L*CAP SAN MARCO~

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
	Q201	597	**Vessel Code**	O	**ID 1/8**
			Code identifying vessel		
	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**	X	**R 1/10**
X	Q208	187	**Weight Qualifier**	X	**ID 1/2**
	Q209	55	**Voyage Number**	O	**AN 2/10**
			Identifying designator for the particular voyage on which the cargo travels		
X	Q210	128	**Reference Identification Qualifier**	O	**ID 2/3**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	Q211	127	**Reference Identification**	X	**AN 1/30**
	Q212	897	**Vessel Code Qualifier**	O	**ID 1/1**
			Code specifying vessel code source		
			Provided values:		
			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"		
X	Q214	183	**Volume**	X	**R 1/8**
X	Q215	184	**Volume Unit Qualifier**	X	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	Q216	188	**Weight Unit Code**	X	**ID 1/1**
			Refer to 004010 Data Element Dictionary for acceptable code values.		

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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
Comments: **1**   R4 is required for each port to be identified.
Notes: Example Syntax

R4*L*UN*DEHAM*Hamburg*DE~
R4*I*CI*N/A*CSX NORTHWEST OHIO RAMP~

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

Provided 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
I	Interim Point (Operational)
	Place at which cargo is transferred from one inland means of transport to another
L	Port of Loading (Operational)
	Port at which cargo is loaded on vessel
R	Place of Receipt (Contractual)
	Place at which cargo enters the care and custody of carrier
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

Provided 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

If location qualifier "CI" this element will be populated with "N/A".

	Ref. Des.	Data Element	Name	Attributes	
	R404	114	**Port Name**	**M**	**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

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		
R407	113	**Pier Number**	**O**	**AN 1/4**
		Identifying number for the pier		
R408	156	**State or Province Code**	**O**	**ID 2/2**
		Code (Standard State/Province) as defined by appropriate government agency		

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Segment:	**DTM** Date/Time Reference	
Position:	070	
Loop:	R4	Mandatory
Level:		
Usage:	Optional	
Max Use:	15	
Purpose:	To specify pertinent dates and times	
Comments:		
Notes:	Example Syntax	

DTM*139*20160526*224529

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		
			Provided values:		
			139 Estimated		
			140 Actual		
	DTM02	373	**Date**	X	DT 8/8
			Date expressed as CCYYMMDD		
			Example: 20160526 (26th May 2016)		
	DTM03	337	**Time**	X	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMMSS, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59)		
			Example: 224529 (10:45:29 pm)		
	DTM04	623	**Time Code**	M	ID 2/2
			Code identifying the time. Events will always be send with their local time.		
			Provided values:		
			LT Local Time		
X	DTM05	1250	**Date Time Period Format Qualifier**	X	ID 2/3
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	DTM06	1251	**Date Time Period**	X	AN 1/35

HAMBURG SÜD

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)
Comments:	**1** SE is the last segment of each transaction set.
Notes:	Example Syntax

SE*7*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		

HAMBURG SÜD

Segment:	**GE** **Functional Group Trailer**
Position:	095
Loop:	
Level:	
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the end of a functional group and to provide control information
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:	Example Syntax
	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		

HAMBURG SÜD

Segment:	**IEA** Interchange Control Trailer	
Position:	098	
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	
Comments:		
Notes:	Example Syntax	

IEA*1*053849086~

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		

6 Appendix

6.1 Status Event Codes

6.1.1 Event Codes – Ocean/Logistic Events

Status Code	Description
AE	Loaded on Vessel
AO	Loaded on Barge
AP	Loaded on Feeder Vessel
C	Estimated Time of Departure (ETD) Delay
E	Estimated Time of Arrival (ETA) Delay
EE	Empty Equipment Dispatched
I	In-Gate
OA	Out-Gate
RD	Empty Equipment Returned
UV	Unloaded From Vessel
VA	Vessel Arrival Vessel scheduled to arrive or has arrived
VD	Vessel Departure Vessel scheduled to depart or has departed

6.1.2 Event Codes – Administrative Events

Status Code	Description
AV	Container Available
CH	Customs Hold
CR	Carrier Release
CT	Customs Released
HR	Carrier Un-Release
IB	U.S. Customs, In-bond Movement Authorized

6.1.3 Event Codes – Rail Events

Status Code	Description
A	Rail Arrival at In-Transit Location
AL	Loaded on Rail
AR	Rail Arrival at Destination Intermodal Ramp
J	Delivered to Connecting Line
NF	Free Time to Expire
NT	Notification
P	Rail Departed from In-Transit Location
RL	Rail Departure from Origin Intermodal Ramp
UR	Unloaded from a Rail Car

6.1.4 Event Codes – Truck Events

Status Code	Description
AA	Pickup Appointment Date and Time
AD	Delivery Appointment Date and Time
AF	Departed Pickup Location
X	Removed from Customer Dock or Siding
AM	Loaded on Truck
D	Completed unloading at delivery location
X1	Arrived at Delivery Location The carrier has arrived at the shipment delivery location
X3	Arrived at Pick-up Location

6.2 Code Lists as used by Hamburg Sued

I01 Authorization Information Qualifier
00   No Authorization Information Present (No Meaningful Information in I02)

I03 Security Information Qualifier
00   No Security Information Present (No Meaningful Information in I04)

I05 Interchange ID Qualifier
ZZ   Mutually Defined

I06 Interchange Sender ID
HAMSUD   Hamburg Süd Sender ID

I10 Interchange Control Standards Identifier
U   U.S. EDI Community of ASC X12, TDCC, and UCS

I13 Acknowledgment Requested
0   No Acknowledgment Requested

I14 Usage Indicator
P   Production Data

66 Identification Code Qualifier
ZZ   Mutually Defined

98 Entity Identifier Code
MC   Motor Carrier
RR   Railroad

115 Port or Terminal Function Code
5   Activity Location (Operational)
D   Port of Discharge (Operational)
E   Place of Delivery (Contractual)
I   Interim Point (Operational)
L   Port of Loading (Operational)
R   Place of Receipt (Contractual)
T   Transshipment Port (Contractual)

128 Reference Identification Qualifier

4F	Carrier-assigned Shipper Number
BM	Bill of Lading Number
BN	Booking Number
CO	Customer Order Number
CR	Customer Reference Number
EQ	Equipment Number
FN	Forwarder's/Agent's Reference Number
IB	In Bond Number
MCI	Motor Carrier Name (Truck)
RR	Rail Road Carrier Name (Rail)
SCA	Standard Carrier Alpha Code (SCAC)
SI	Shipper's Identifying Number for Shipment (SID)
SN	Seal Number
WU	Vessel

142 Application Sender's Code

HAMSUD	Hamburg Süd Sender ID

143 Transaction Set Identifier Code

315	Status Details (Ocean)

157 Shipment Status Code

Please refer to the status event codes list in the appendix.

309 Location Qualifier

CI	City
UN	United Nations Location Code (UNLOCODE)

310 Location Identifier

Retrieve UN Location code list from http://www.unece.org/cefact/locode/service/location.html)

374 Date/Time Qualifier

139	Estimated
140	Actual

455 Responsible Agency Code

X	Accredited Standards Committee X12

479 Functional Identifier Code

QO   Ocean Shipment Status Information (313, 315)

480 Version / Release / Industry Identifier Code

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

623   Time Code

LT   Local Time

897   Vessel Code Qualifier

L   Lloyd's Register of Shipping

6.3 Example Messages

6.3.1 Example Message "Gate In"

```
ISA*00*     *00*     *ZZ*HAMSUD     *ZZ*PARTNERID     *160526*2245*U*00401*053849086*0*P*>~
GS*QO*HAMSUD*RECEIVER ID*20160526*2245*1000*X*004010~
ST*315*0001~
B4***I*20160413*1415**HASU*431617*L*45G1*GBBEL*UN*0~
N9*BN*6BELCV1099~
N9*BM*N6HKGKP2966X~
N9*EQ* HASU4316170~
N9*SCA*SUDU~
Q2*9214202*LR*******0000***L*E.R. LONDON~
R4*R*UN*GBBEL*BELFAST GB*GB~
R4*L*UN*BEANR*ANTWERP BE*BE~
DTM*139*20160424~
R4*I*UN*GBBEL*BELFAST SEALINKTERM.*GB~
DTM*139*20160413*1415*LT~
R4*D*UN*MAPTM*TANGER MED MA*MA~
DTM*139*20160501~
R4*E*UN*TNTUN*TUNIS / RADES TN*TN~
SE*16*0001~
GE*1*1000~
IEA*1*053849086~
```

6.3.2 Example Message "Loaded on Vessel"

```
ISA*00*     *00*     *ZZ*HAMSUD     *ZZ*PARTNERID     *160526*2245*U*00401*053849086*0*P*>~
GS*QO*HAMSUD*RECEIVER ID*20160526*2245*1000*X*004010~
ST*315*0001~
B4***AE*20160420*1415**HASU*431617*L*45G1*GBBEL*UN*0~
N9*BN*6BELCV1099~
N9*BM*N6HKGKP2966X~
N9*EQ* HASU4316170~
N9*SCA*SUDU~
R4*R*UN*GBBEL*BELFAST GB*GB~
R4*L*UN*GBBEL*BELFAST GB*GB~
DTM*139*20160420~
R4*I*UN*GBBEL*BELFAST SEALINKTERM.*GB~
DTM*139*20160420*1415*LT~
R4*D*UN*MAPTM*TANGER MED MA*MA~
DTM*139*20160501~
R4*E*UN*TNTUN*TUNIS / RADES TN*TN~
SE*15*0001~
GE*1*1000~
IEA*1*053849086~
```

6.3.3 Example Message "Vessel Departure"

```
ISA*00*      *00*      *ZZ*HAMSUD      *ZZ*PARTNERID      *160526*2245*U*00401*053849086*0*P*>~
GS*QO*HAMSUD*RECEIVER ID*20160526*2245*1000*X*004010~
ST*315*0001~
B4***VD*20160421*1200**HASU*431617*L*45G1*GBBEL*UN*0~
N9*BN*6BELCV1099~
N9*BM*N6HKGKP2966X~
N9*EQ*HASU4316170~
N9*SCA*SUDU~
R4*R*UN*GBBEL*BELFAST GB*GB~
R4*L*UN*GBBEL*BELFAST GB*GB~
DTM*140*20160421*1200*LT~
R4*I*UN*GBBEL*BELFAST SEALINKTERM.*GB~
DTM*140*20160421*1200*LT~
R4*D*UN*MAPTM*TANGER MED MA*MA~
DTM*139*20160501~
R4*E*UN*TNTUN*TUNIS / RADES TN*TN~
SE*15*0001~
GE*1*1000~
IEA*1*053849086~
```

6.3.4 Example Message "Customs Release"

```
ISA*00*      *00*      *ZZ*HAMSUD      *ZZ*PARTNERID      *160526*2245*U*00401*053849086*0*P*>~
GS*QO*HAMSUD*RECEIVER ID*20160526*2245*1000*X*004010~
ST*315*0001~
B4***CR*20160520*0950**HASU*483190*L**USLGB*UN*3~
N9*BN*6PHL89OTZT~
N9*BM*N6HKGKP2966X~
N9*EQ*HASU4831903~
N9*SCA*SUDU~
Q2*9399193********073E***L*CMA CGM LIBRA~
R4*D*UN*USLGB*LONG BEACH CA US~
DTM*140*20160120*143700~
SE*10*0001~
GE*1*1000~
IEA*1*053849086~
```

6.3.5 Example Message "In transit rail movement (arrived at in transit location)"

```
ISA*00*       *00*       *ZZ*HAMSUD      *ZZ*PARTNERID     *160526*2245*U*00401*053849086*0*P*>~
GS*QO*HAMSUD*RECEIVER ID*20160526*2245*1000*X*004010~
ST*315*0001~
B4***A*20160520*0950**HASU*483190*L**Colorado Springs, CO*CI*3~
N9*BN*6PHL89OTZT~
N9*BM*N6HKGKP2966X~
N9*EQ*HASU4831903~
N9*SCA*SUDU~
N9*RR*BNSF*BNSF Railway~
R4*I*UN*N/A*Colorado Springs, CO~
DTM*140*20160520*095000~
R4*D*UN*USCHI*Chicago, IL~
DTM*139*20160529*120000~
SE*11*0001~
GE*1*1000~
IEA*1*053849086~
```