



ASC X12 Release 4010

214

**Transportation Carrier Shipment
Status Message (Truck)**

Message Implementation Guide

Version 1.5.0

Change history

Version	Date	Comments
1.0.0	10-Mar-2016	Initial Version
1.1.0	10-May-2016	AT701: Status 'Appointment' partitioned into Appointment for Export and Import
1.2.0	24-May-2017	Supporting appointment times in AT701 and AT703 Updated example messages in the appendix. Added functional description chapter.
1.3.0	17-Sep-2017	Added new reference "MCI" for L11 segment to identify motor carriers not using SCAC code.
1.4.0	19-Sep-2017	Added new event code "CA" as supported code to the AT7 segment. It's not possible to send a cancelation note with this event code.
1.5.0	11-Sep-2019	Added supported value "NS" in AT702

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1 Audience

This document is intended for business, technical and EDI personnel engaged in establishing an electronic connection with Hamburg Süd. The purpose is to receive truck status messages for container movements via ASC X12 214 Release 4010 from the truck vendors Hamburg Süd is doing business with.

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 additional 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

The truck vendor is sending status events via 214 messages to Hamburg Süd. 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

Reporting of truck events

Please note that Hamburg Süd is only interested in receiving the events that are occurring at the customer's facility. Please do not report events occurring at the empty depot or terminal.

Reporting of Hamburg Süd Transport / Job Order number

Please note that the Transport / Job Order has to be reported in the B10*01 element and not in the B10*02 element.

Example: B10***6PHLSA1234***01234567*SCAC~

Reporting of container number

It's important that the reported container number contains all 11 digits, including the check digit. Please note that the check digit should be reported in a separate element.

Example: MS2***SUDU*852938**7**~

Please note that the container number (MS2 segment) can be left empty only for the event "AA", as the container number might not be known at this stage of the transport.

Reporting of appointment times

The appointment time event codes "AA" and "AB" should be reported in AT7*03 element in contrast to the other event codes that have to be reported in the AT7*01 element.

Example appointment: AT7*****AA****20170504*0800*LT~

Example regular event: AT7***CD***NS***20170128*1700*LT~

Country code according to ISO 3166-1

The country code (e.g. in Segment MS1) has to be reported according to ISO 3166-1 alpha-2. Those codes are two-letter country codes defined in ISO 3166-1, part of the ISO 3166 standard published by the International Organization for Standardization (ISO), to represent countries, dependent territories, and special areas of geographical interest.

Cancellation of a transport / service

In case a transport / service is being cancelled, please send a "Shipment Cancelled" event (event code CA). In case the transport is getting cancelled by the vendor, Hamburg Süd still needs to be notified via phone or other communication lines. This event is just for informational purpose to serve the event completeness and customer visibility!

2.4. Status Indicators and Usage Indicators

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:

<u>Value</u>	<u>Description</u>
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

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:

<u>Value</u>	<u>Description</u>
M	Mandatory Indicates the item is mandatory in the ASC X12 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.

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 alphabetic characters
n..6	up to 6 numeric characters

3 ANSI X12 214 segment table of contents

Functional Group ID=**QM**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Transportation Carrier Shipment Status Message Transaction Set (214) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used by a transportation carrier to provide shippers, consignees, and their agents with the status of shipments in terms of dates, times, locations, route, identifying numbers, and conveyance.

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
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	B10	Beginning Segment for Transportation Carrier Shipment Status Message	M	1		
	030	L11	Business Instructions and Reference Number	O	2		
Not Used	035	MAN	Marks and Numbers	O	9999		
Not Used	040	K1	Remarks	O	10		
						LOOP ID - 0100	10
Not Used	050	N1	Name	O	1		
Not Used	060	N2	Additional Name Information	O	1		
Not Used	070	N3	Address Information	O	2		
Not Used	080	N4	Geographic Location	O	1		
Not Used	090	G61	Contact	O	1		
Not Used	100	G62	Date/Time	O	1		n1
Not Used	110	L11	Business Instructions and Reference Number	O	10		
Not Used	120	MS3	Interline Information	O	12		
						LOOP ID - 0200	99999
Must Use	130	LX	Assigned Number	O	1		
						LOOP ID - 0205	1
M	140	AT7	Shipment Status Details	M	1		
M	143	MS1	Equipment, Shipment, or Real Property Location	M	1		
	146	MS2	Equipment or Container Owner and Type	O	1		
Not Used	150	L11	Business Instructions and Reference Number	O	10		
Not Used	155	MAN	Marks and Numbers	O	9999		
Not Used	160	Q7	Lading Exception Code	O	10		

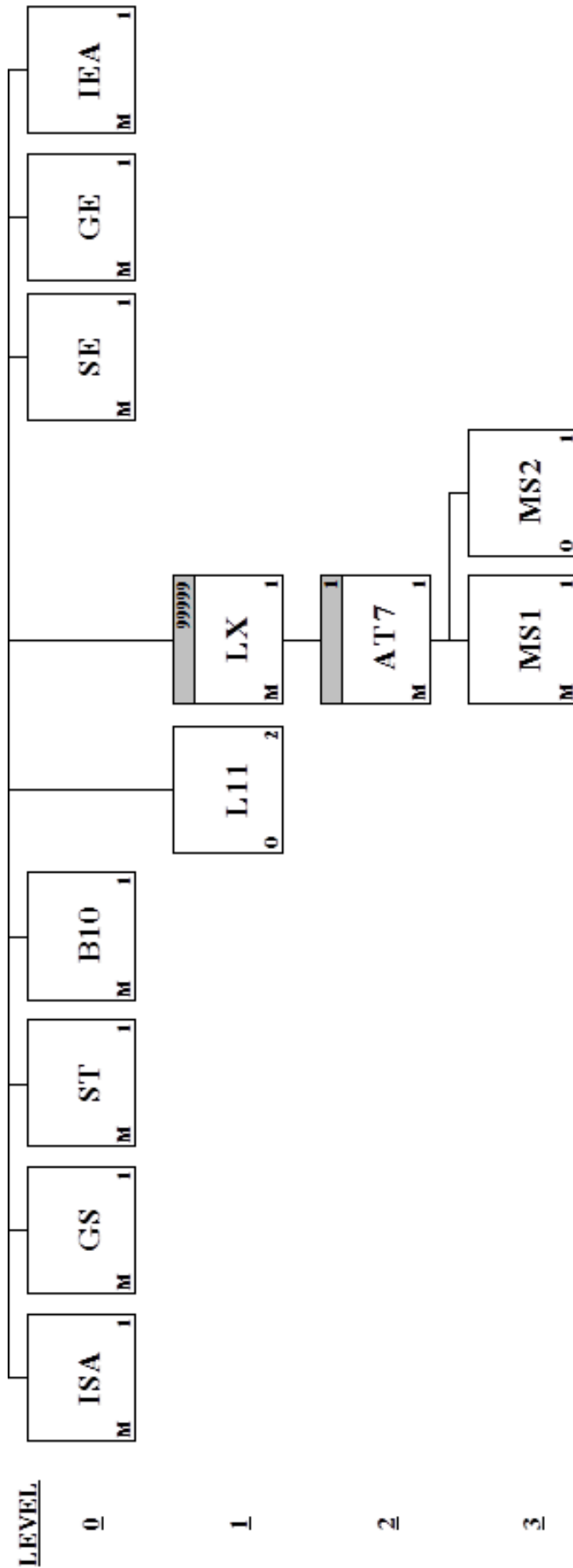
Not Used	170	K1	Remarks	O	10	
Not Used	180	AT5	Bill of Lading Handling Requirements	O	10	
Not Used	200	AT8	Shipment Weight, Packaging and Quantity Data	O	10	
					LOOP ID - 0210 999999	
Not Used	210	CD3	Carton (Package) Detail	O	1	n2
Not Used	220	L11	Business Instructions and Reference Number	O	20	
					LOOP ID - 0215 10	
Not Used	230	AT7	Shipment Status Details	O	1	
Not Used	233	MS1	Equipment, Shipment, or Real Property Location	O	1	
Not Used	236	MS2	Equipment or Container Owner and Type	O	1	
Not Used	240	NM1	Individual or Organizational Name	O	1	
Not Used	250	Q7	Lading Exception Code	O	10	
Not Used	260	AT8	Shipment Weight, Packaging and Quantity Data	O	1	
Not Used	265	MAN	Marks and Numbers	O	9999	
					LOOP ID - 0220 999999	
Not Used	270	N1	Name	O	1	
Not Used	280	N2	Additional Name Information	O	1	
Not Used	290	N3	Address Information	O	3	
Not Used	300	N4	Geographic Location	O	1	
Not Used	310	L11	Business Instructions and Reference Number	O	10	
					LOOP ID - 0230 999999	
Not Used	320	PRF	Purchase Order Reference	O	1	
					LOOP ID - 0231 999999	
Not Used	330	N1	Name	O	1	
Not Used	340	N2	Additional Name Information	O	1	
Not Used	350	N3	Address Information	O	2	
Not Used	360	N4	Geographic Location	O	1	
Not Used	370	L11	Business Instructions and Reference Number	O	10	
					LOOP ID - 0233 999999	
Not Used	380	CD3	Carton (Package) Detail	O	1	
Not Used	390	L11	Business Instructions and Reference Number	O	20	
					LOOP ID - 0240 10	
Not Used	400	AT7	Shipment Status Details	O	1	
Not Used	402	MS1	Equipment, Shipment, or Real Property	O	1	

		Location			
Not Used	404	MS2	Equipment or Container Owner and Type	O	1
Not Used	405	MAN	Marks and Numbers	O	9999
		LOOP ID - 0250		999999	
Not Used	410	SPO	Shipment Purchase Order Detail	O	1
Not Used	420	SDQ	Destination Quantity	O	10
		LOOP ID - 0260		>1	
Not Used	423	EFI	Electronic Format Identification	O	1
Not Used	426	BIN	Binary Data	M	1
M	610	SE	Transaction Set Trailer	M	1
M	794	GE	Functional Group Trailer	M	1
M	978	IEA	Interchange Control Trailer	M	1

Transaction Set Notes

1. Status and appointment dates and times shall not be transmitted in the G62 segment.
2. Loops 0210, 0215 and 0220 shall be used in conjunction with loop 0200 to convey status for small package carrier shipments.

4 Branch Diagram



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*SENDER ID *ZZ*HAMSUD
*160320*1500*U*00401*000010000*0*P*^~
```

Data Element Summary

Ref.	Data Des.	Element	Name	Attributes
M		ISA01	I01	Authorization Information Qualifier M ID 2/2 Code to identify the type of information in the Authorization Information Supported 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 Supported 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 Supported 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 Trading partner ID / SCAC code of trucking company
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 Supported 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 Supported values: HAMSUD Hamburg Süd KG

M	ISA09	I08	Interchange Date Date of the interchange Format YYMMDD Example: 160526 (26th May 2016)	M DT 6/6
M	ISA10	I09	Interchange Time Time of the interchange Format HHMM Example: 2245 (10:45 pm)	M TM 4/4
M	ISA11	I10	Interchange Control Standards Identifier Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 1/1
M	ISA12	I11	Interchange Control Version Number This version number covers the interchange control segments 00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	M ID 5/5
M	ISA13	I12	Interchange Control Number A control number assigned by the interchange sender	M NO 9/9
M	ISA14	I13	Acknowledgment Requested Code sent by the sender to request an interchange acknowledgment (TA1) Supported values: 0 No Acknowledgment Requested	M ID 1/1
M	ISA15	I14	Usage Indicator Code to indicate whether data enclosed by this interchange envelope is test, production or information Supported values: P Production Data T Test Data	M ID 1/1
M	ISA16	I15	Component Element Separator 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	M AN 1/1

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*QM*SENDER ID*HAMSUD*20160320*1500*1000*X*004010~

Data Element Summary

Ref.	Data Des.	Element	Name	Attributes	
M		GS01	479	Functional Identifier Code	M ID 2/2
Code identifying a group of application related transaction sets					
Supported values:					
QM Transportation Carrier Shipment Status Message (214)					
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					
Supported values:					
HAMSUD Hamburg Süd KG					
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: 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)					
Example: 224529 (10:45:29 pm)					
M		GS06	28	Group Control Number	M NO 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					
Supported values:					
004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October '97					

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*214*0001~

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code M ID 3/3 Code uniquely identifying a Transaction Set Supported values: 214 Transportation Carrier Shipment Status Message
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: B10 Beginning Segment for Transportation Carrier Shipment Status Message

Position: 020

Loop:

Level:

Usage: Mandatory

Max Use: 1

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

Comments: 1 B1001 is the carrier's PRO (invoice number) that identifies the shipment.

2 B1003 is required when used in Transaction Set 214.

3 B1006 is the carrier assigned bar code identification or another carrier assigned shipment identification, such as a manifest number.

Notes: Please note that the Transport / Job Order (e.g. 7PHLSA1234) has to be reported in the B10*01 element and not in the B10*02 element.

Example Syntax:

B10*7PHLSA1234*0123465*SCAC~

Data Element Summary

Ref.	Data Des.	Element	Name	Attributes	
M		B1001	127	Reference Identification	M AN 1/30
				Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
				Hamburg Süd Transport / Job Order Number	
		B1002	145	Shipment Identification Number	O AN 1/30
				Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)	
				Job order of the truck vendor	
M		B1003	140	Standard Carrier Alpha Code	M ID 2/4
				Standard Carrier Alpha Code	
X		B1004	71	Inquiry Request Number	O NO 1/3
X		B1005	128	Reference Identification Qualifier	X ID 2/3
				Refer to 004010 Data Element Dictionary for acceptable code values.	
X		B1006	127	Reference Identification	X AN 1/30
X		B1007	1073	Yes/No Condition or Response Code	O ID 1/1
				Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: L11 Business Instructions and Reference Number

Position: 030

Loop:

Level:

Usage: Optional

Max Use: 3

Purpose: To specify instructions in this business relationship or a reference number

Comments:

Notes: Example Syntax:

```
L11*6PHLSA1234*BN~
L11*SUDU7N3400812147*BM~
```

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>						
	L1101	127	Reference Identification O AN 1/30 Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						
	L1102	128	Reference Identification Qualifier O ID 2/3 Code qualifying the Reference Identification Supported values: <table border="0" style="margin-left: 20px;"> <tr> <td>BM</td> <td>Bill of Lading Number</td> </tr> <tr> <td>BN</td> <td>Booking Number</td> </tr> <tr> <td>MCI</td> <td>Motor Carrier Identification Number</td> </tr> </table> Only to be used in case trucking company has no SCAC code assigned. Hamburg Süd will inform the trucker, which ID to use.	BM	Bill of Lading Number	BN	Booking Number	MCI	Motor Carrier Identification Number
BM	Bill of Lading Number								
BN	Booking Number								
MCI	Motor Carrier Identification Number								
X	L1103	352	SN Seal Number Description C AN 1/80						

Segment: **LX Assigned Number**

Position: 130

Loop: 0200 Mandatory

Level:

Usage: Mandatory

Max Use: 1

Purpose: To reference a line number in a transaction set

Comments:

Notes: Example Syntax:

LX*1~

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>	
M	LX01	554	Assigned Number Number assigned for differentiation within a transaction set	M NO 1/6

Segment: AT7 Shipment Status Details

Position: 140

Loop: 0205 Mandatory

Level:

Usage: Mandatory

Max Use: 1

Purpose: To specify the status of a shipment, the reason for that status, the date and time of the status and the date and time of any appointments scheduled.

Comments:

Notes: The appointment time event codes "AA" and "AB" should be reported in AT7*03 element in contrast to the other event codes that have to be reported in the AT7*01 element.

Example Syntax:

Appointment: AT7***AA**20170504*0800*LT~

Regular event: AT7*CD*NS***20170128*1700*LT~

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>		
	AT701	1650	Shipment Status Code		X ID 2/2
			Code indicating the status of a shipment		
			Supported values:		
		AA	Pick-up Appointment Date and/or Time (Appointment Time for Export)		
		AB	Delivery Appointment Date and/or Time (Appointment Time for Import)		
		AF	Carrier Departed Pick-up Location with Shipment		
		CA	Shipment Cancelled		
		CD	Carrier Departed Delivery Location		
		CP	Completed Loading at Pick-up Location		
		D1	Completed Unloading at Delivery Location		
		X1	Arrived at Delivery Location		
		X3	Arrived at Pick-up Location		
	AT702	1651	Shipment Status or Appointment Reason Code		X ID 2/2
			Code indicating the reason a shipment status or appointment reason was transmitted		
			Supported values:		
		NS	Normal Status		
	AT703	1652	Shipment Appointment Status Code		X ID 2/2
			Code indicating the status of an appointment to pick-up or deliver a shipment		
		AA	Pick-up Appointment Date and/or Time Appointment Time for Export		
		AB	Delivery Appointment Date and/or Time Appointment Time for Import		
	AT704	1651	Shipment Status or Appointment Reason Code		O ID 2/2
			Code indicating the reason a shipment status or appointment reason was transmitted		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	AT705	373	Date		X DT 8/8
			Date expressed as CCYYMMDD		
			Example: 20160526 (26th May 2016)		

AT706	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)	
AT707	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 Supported values:	
		LT	Local Time

Segment: MS1 Equipment, Shipment, or Real Property Location

Position: 143

Loop: 0205 Mandatory

Level:

Usage: Mandatory

Max Use: 1

Purpose: To specify the location of a piece of equipment, a shipment, or real property in terms of city and state or longitude and latitude

Comments:

Notes: Example Syntax:

MS1*DETROIT*MI*US~

Data Element Summary

Ref.	Data Des.	Element	Name	Attributes	
M		MS101	19	City Name Free-form text for city name	M AN 2/30
		MS102	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	C ID 2/2
M		MS103	26	Country Code Code identifying the country Country code according to ISO 3166-1. The ISO 3166-1 alpha-2 codes are two-letter country codes defined in ISO 3166-1, part of the ISO 3166 standard published by the International Organization for Standardization (ISO), to represent countries, dependent territories, and special areas of geographical interest.	M ID 2/2
X		MS104	1654	Longitude Code	X ID 7/7
X		MS105	1655	Latitude Code	X ID 7/7
X		MS106	1280	Direction Identifier Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
X		MS107	1280	Direction Identifier Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1

Segment: MS2 Equipment or Container Owner and Type

Position: 146

Loop: 0205 Mandatory

Level:

Usage: Optional

Max Use: 1

Purpose: To specify the owner, the identification number assigned by that owner, and the type of equipment

Comments: 1 MS203 identifies the type for the equipment specified in MS202.

Notes: Example Syntax:

MS2*SUDU*852938**7~

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	MS201	140	Standard Carrier Alpha Code Standard Carrier Alpha Code M ID 2/4
M	MS202	207	Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) M AN 1/10
X	MS203	40	Equipment Description Code Refer to 004010 Data Element Dictionary for acceptable code values. X ID 2/2
M	MS204	761	Equipment Number Check Digit Number which designates the check digit applied to a piece of equipment M NO 1/1

Segment: SE Transaction Set Trailer

Position: 610

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*8*0001~

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments
M	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Segment: GE Functional Group Trailer

Position: 794

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

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
M	GE01	97	Number of Transaction Sets Included M NO 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 NO 1/9 Assigned number originated and maintained by the sender

Segment: IEA Interchange Control Trailer**Position:** 978**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*000010000~

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	<u>IEA01</u>	I16	Number of Included Functional Groups A count of the number of functional groups included in an interchange
M	<u>IEA02</u>	I12	Interchange Control Number A control number assigned by the interchange sender

6 Appendix

6.1. Status Event Codes

The following events are requested from truck operators:

Status Code	Status description
AA	Pick-up Appointment Date and/or Time (Appointment Time for Export)
AB	Delivery Appointment Date and/or Time (Appointment Time for Import)
AF	Carrier Departed Pick-up Location with Shipment
CD	Carrier Departed Delivery Location
CP	Completed Loading at Pick-up Location
D1	Completed Unloading at Delivery Location
X1	Arrived at Delivery Location
X3	Arrived at Pick-up Location

6.2. Example Messages

6.2.1. Example Message “Export Appointment time” (container unknown)

An unknown container will be picked up at the customer’s facility on 12th May 2017 @09:35 in Chicago for the transport / job order 6JAXIA0770.

```
ST*214*0001~
B10*6JAXIA0770*0123456*ABCD~
L11*6JAXIA0770*BN~
LX*1~
AT7***AA**20170512*0935*LT~
MS1*CHICAGO*IL*US~
SE*7*0001~
```

6.2.2. Example Message “Export Appointment time” (container known)

The container HASU4310206 will be picked up at the customer’s facility on 12th May 2017 @09:35 in Chicago for the transport / job order 6JAXIA0770.

```
ST*214*0001~
B10*6JAXIA0770*0123456*ABCD~
L11*6JAXIA0770*BN~
LX*1~
AT7***AA**20170512*0935*LT~
MS1*CHICAGO*IL*US~
MS2*HASU*431020**6~
SE*8*0001~
```

6.2.3. Example Message “Arrived at customer’s premises (Export)”

The trucker has arrived at the customer’s facility in Chicago on 25th January 2017 @07:20 to pick up the container HASU4310206 for the transport / job order 6JAXIA0770.

```
ST*214*0002~
B10*6JAXIA0770*01234567*ABCD~
L11*6JAXIA0770*BN~
LX*1~
AT7*X3*NS***20170125*0720*LT~
MS1*CHICAGO*IL*US~
MS2*HASU*431020**6~
SE*8*0002~
```

6.2.4. Example Message “Loading of container completed (Export)”

The trucker has completed loading the container HASU4310206 for the transport / job order 6JAXIA0770 at the customer’s facility in Chicago on 25th January 2017 @15:00.

```
ST*214*0003~
B10*6JAXIA0770*01234567*ABCD~
L11*6JAXIA0770*BN~
LX*1~
AT7*CP*NS***20170125*1500*LT~
MS1*CHICAGO*IL*US~
MS2*HASU*431020**6~
SE*8*0003~
```

6.2.5. Example Message “Left customer’s premises (Export)”

The trucker has left the customer’s facility in Chicago on 25th January 2017 @07:20 with the container HASU4310206 for the transport / job order 6JAXIA0770.

```
ST*214*0004~
B10*6JAXIA0770*01234567*ABCD~
L11*6JAXIA0770*BN~
LX*1~
AT7*AF*NS***20170125*1510*LT~
MS1*CHICAGO*IL*US~
MS2*HASU*431020**6~
SE*8*0004~
```

6.2.6. Example Message “Appointment time (Import)”

The container SUDU5454875 will be delivered to the customer’s facility on 2nd February 2017 @12:00 in Seneca for the transport / job order 6PHL00JZEN.

```
ST*214*0001~
B10*6PHL00JZEN*01234567*ABCD~
L11*SUDU15MANEN211AX*BM~
LX*1~
AT7***AB**20170202*1200*LT~
MS1*SENECA*SC*US~
MS2*SUDU*545487**5~
SE*8*0001~
```

6.2.7. Example Message “Arrived at customer’s premises (Import)”

The trucker has arrived at the customer’s facility in Seneca on 2nd February 2017@14:25 to deliver the container SUDU5454875 for the transport / job order 6PHL00JZEN.

```
ST*214*0002
B10*6PHL00JZEN*01234567*ABCD~
L11*SUDU15MANEN211AX*BM~
LX*1~
AT7*X1*NS***20170202*1425*LT~
MS1*SENECA*SC*US~
MS2*SUDU*545487**5~
SE*8*0002~
```

6.2.8. Example Message “Unloading completed (Import)”

The trucker has completed unloading the container SUDU5454875 for the transport / job order 6PHL00JZEN at the customer’s facility in Seneca on 3rd February 2017 @12:00.

```
ST*214*0003~
B10*6PHL00JZEN*01234567*ABCD~
L11*SUDU15MANEN211AX*BM~
LX*1~
AT7*D1*NS***20170203*1200*LT~
MS1*SENECA*SC*US~
MS2*SUDU*545487**5~
SE*8*0003~
```

6.2.9. Example Message “Left customer’s premises (Import)”

The trucker has left the customer’s facility in Seneca on 4th February 2017 @07:15 after successfully unloading the container SUDU5454875 for the transport / job order 6PHL00JZEN.

```
ST*214*0004~
B10*6PHL00JZEN*01234567*ABCD~
L11*SUDU15MANEN211AX*BM~
LX*1~
AT7*CD*NS***20170204*0715*LT~
MS1*SENECA*SC*US~
MS2*SUDU*545487**5~
SE*8*0004~
```

6.2.10. Example Message “Transport / Shipment cancelled”

The trucker is informing that the shipment has been cancelled by the shipper, carrier or vendor.

```
ST*214*0004~
B10*6PHL00JZEN*01234567*ABCD~
L11*SUDU15MANEN211AX*BM~
LX*1~
AT7*CA*NS***20170204*0715*LT~
MS1*SENECA*SC*US~
MS2*SUDU*545487**5~
SE*8*0004~
```