ASC X12 Release 4010

214
Transportation Carrier Shipment Status Message (Truck)

Message Implementation Guide

Version 1.5.0
Change history

<table>
<thead>
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<th>Version</th>
<th>Date</th>
<th>Comments</th>
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<tr>
<td>1.0.0</td>
<td>10-Mar-2016</td>
<td>Initial Version</td>
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<tr>
<td>1.1.0</td>
<td>10-May-2016</td>
<td>AT701: Status ‘Appointment’ partitioned into Appointment for Export and Import</td>
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<tr>
<td>1.2.0</td>
<td>24-May-2017</td>
<td>Supporting appointment times in AT701 and AT703</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Updated example messages in the appendix.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Added functional description chapter.</td>
</tr>
<tr>
<td>1.3.0</td>
<td>17-Sep-2017</td>
<td>Added new reference “MCI” for L11 segment to identify motor carriers not using SCAC code.</td>
</tr>
<tr>
<td>1.4.0</td>
<td>19-Sep-2017</td>
<td>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.</td>
</tr>
<tr>
<td>1.5.0</td>
<td>11-Sep-2019</td>
<td>Added supported value “NS” in AT702</td>
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</table>

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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:

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
<td>Mandatory</td>
</tr>
<tr>
<td></td>
<td>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).</td>
</tr>
<tr>
<td>C</td>
<td>Conditional</td>
</tr>
<tr>
<td></td>
<td>The entity is used by agreement between trading partners</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
<td>Mandatory</td>
</tr>
<tr>
<td></td>
<td>Indicates the item is mandatory in the ASC X12 message.</td>
</tr>
<tr>
<td>R</td>
<td>Required</td>
</tr>
<tr>
<td></td>
<td>Indicates the item must be transmitted in this implementation.</td>
</tr>
<tr>
<td>D</td>
<td>Dependent</td>
</tr>
<tr>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>O</td>
<td>Optional</td>
</tr>
<tr>
<td></td>
<td>Indicates that this item is at the need or discretion of both trading partners.</td>
</tr>
<tr>
<td>X</td>
<td>Not Used</td>
</tr>
<tr>
<td></td>
<td>Indicates that this item is not used in this implementation. If present, it will be disregarded.</td>
</tr>
<tr>
<td>NA</td>
<td>Not Recommended (Advised)</td>
</tr>
<tr>
<td></td>
<td>Indicates the item needn’t be transmitted in this implementation.</td>
</tr>
<tr>
<td>A</td>
<td>Advised</td>
</tr>
<tr>
<td></td>
<td>Indicates the item must is recommended to be transmitted in this implementation.</td>
</tr>
</tbody>
</table>

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

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.

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<tr>
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<th>Seg. ID</th>
<th>Name</th>
<th>Req. Des.</th>
<th>Max. Use</th>
<th>Loop Repeat</th>
<th>Notes and Comments</th>
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<tr>
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<td></td>
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<td>Address Information</td>
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<td></td>
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</tr>
<tr>
<td>0233</td>
<td>Geographic Location</td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>0233</td>
<td>Business Instructions and Reference Number</td>
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<td>10</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0233</td>
<td>Carton (Package) Detail</td>
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<td>Business Instructions and Reference Number</td>
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<tr>
<td>0233</td>
<td>Equipment, Shipment, or Real Property</td>
<td>O</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Ref. Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
<td>ISA01</td>
<td>I01</td>
<td>Authorization Information Qualifier</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Code to identify the type of information in the Authorization Information</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Supported values:</td>
</tr>
<tr>
<td>M</td>
<td>ISA02</td>
<td>I02</td>
<td>Authorization Information</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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)</td>
</tr>
<tr>
<td>M</td>
<td>ISA03</td>
<td>I03</td>
<td>Security Information Qualifier</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Code to identify the type of information in the Security Information</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Supported values:</td>
</tr>
<tr>
<td>M</td>
<td>ISA04</td>
<td>I04</td>
<td>Security Information</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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)</td>
</tr>
<tr>
<td>M</td>
<td>ISA05</td>
<td>I05</td>
<td>Interchange ID Qualifier</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Supported values:</td>
</tr>
<tr>
<td>M</td>
<td>ISA06</td>
<td>I06</td>
<td>Interchange Sender ID</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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</td>
</tr>
<tr>
<td>M</td>
<td>ISA07</td>
<td>I05</td>
<td>Interchange ID Qualifier</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Supported values:</td>
</tr>
<tr>
<td>M</td>
<td>ISA08</td>
<td>I07</td>
<td>Interchange Receiver ID</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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</td>
</tr>
</tbody>
</table>

|                |              |      | Supported values: |

|                |              |      | HAMSUD            |
|                |              |      | Hamburg Süd KG    |
**Interchange Date**

Date of the interchange

**Format** YYMMDD

**Example:** 160526 (26th May 2016)

**Interchange Time**

Time of the interchange

**Format** HHMM

**Example:** 2245 (10:45 pm)

**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.

**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

**Interchange Control Number**

A control number assigned by the interchange sender

**Acknowledgment Requested**

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

Supported values:

- 0: No Acknowledgment Requested

**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

**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
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:** 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

<table>
<thead>
<tr>
<th>Ref. Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
<th>Name</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>M GS01</td>
<td>GS01</td>
<td>479</td>
<td>Functional Identifier Code</td>
<td>M ID 2/2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Code identifying a group of application related transaction sets</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Supported values:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M GS02</td>
<td>GS02</td>
<td>142</td>
<td>Application Sender’s Code</td>
<td>M AN 2/15</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Code identifying party sending transmission; codes agreed to by trading partners</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M GS03</td>
<td>GS03</td>
<td>124</td>
<td>Application Receiver’s Code</td>
<td>M AN 2/15</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Code identifying party receiving transmission; codes agreed to by trading partners</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Supported values:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M GS04</td>
<td>GS04</td>
<td>373</td>
<td>Date</td>
<td>M DT 8/8</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Date expressed as CCYYMMDD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M GS05</td>
<td>GS05</td>
<td>337</td>
<td>Time</td>
<td>M TM 4/8</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, 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)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M GS06</td>
<td>GS06</td>
<td>28</td>
<td>Group Control Number</td>
<td>M NO 1/9</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Assigned number originated and maintained by the sender</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M GS07</td>
<td>GS07</td>
<td>455</td>
<td>Responsible Agency Code</td>
<td>M ID 1/2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Code used in conjunction with Data Element 480 to identify the issuer of the standard</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M GS08</td>
<td>GS08</td>
<td>480</td>
<td>Version / Release / Industry Identifier Code</td>
<td>M AN 1/12</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Supported values:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Ref. Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
<td>ST01</td>
<td>143</td>
<td>Transaction Set Identifier Code</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Code uniquely identifying a Transaction Set</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Supported values:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>214 Transportation Carrier Shipment Status Message</td>
</tr>
<tr>
<td>M</td>
<td>ST02</td>
<td>329</td>
<td>Transaction Set Control Number</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Ref. Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
<td>B1001</td>
<td>127 Reference Identification</td>
<td>M AN 1/30</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Hamburg Süd Transport / Job Order Number</td>
</tr>
<tr>
<td></td>
<td>B1002</td>
<td>145 Shipment Identification Number</td>
<td>O AN 1/30</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Job order of the truck vendor</td>
</tr>
<tr>
<td>M</td>
<td>B1003</td>
<td>140 Standard Carrier Alpha Code</td>
<td>M ID 2/4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Standard Carrier Alpha Code</td>
</tr>
<tr>
<td>X</td>
<td>B1004</td>
<td>71 Inquiry Request Number</td>
<td>O NO 1/3</td>
</tr>
<tr>
<td></td>
<td>B1005</td>
<td>128 Reference Identification Qualifier</td>
<td>X ID 2/3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Refer to 004010 Data Element Dictionary for acceptable code values.</td>
</tr>
<tr>
<td>X</td>
<td>B1006</td>
<td>127 Reference Identification</td>
<td>X AN 1/30</td>
</tr>
<tr>
<td>X</td>
<td>B1007</td>
<td>1073 Yes/No Condition or Response Code</td>
<td>O ID 1/1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Refer to 004010 Data Element Dictionary for acceptable code values.</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Ref. Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
<th>Attributes</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1101</td>
<td>L1101</td>
<td>Reference Identification</td>
<td>O</td>
<td>AN 1/30</td>
<td>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier</td>
</tr>
<tr>
<td>L1102</td>
<td>L1102</td>
<td>Reference Identification Qualifier</td>
<td>O</td>
<td>ID 2/3</td>
<td>Code qualifying the Reference Identification</td>
</tr>
</tbody>
</table>

**Supported values:**

- **BM** Bill of Lading Number  
- **BN** Booking Number  
- **MCI** Motor Carrier Identification Number  
- **SN** Seal Number

**Only to be used in case trucking company has no SCAC code assigned. Hamburg Süd will inform the trucker, which ID to use.**

<table>
<thead>
<tr>
<th>X</th>
<th>L1103</th>
<th>352</th>
<th>Description</th>
<th>C</th>
<th>AN 1/80</th>
</tr>
</thead>
</table>
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

<table>
<thead>
<tr>
<th>Ref. Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
<td>LX01</td>
<td>554</td>
<td>Assigned Number</td>
</tr>
</tbody>
</table>

Notes: Example Syntax:

LX*1~

Data Element Summary

Number assigned for differentiation within a transaction set
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:**

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**

<table>
<thead>
<tr>
<th>Ref. Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT701</td>
<td>1650</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>AT702</th>
<th>1651</th>
<th>Shipment Status or Appointment Reason Code</th>
<th>X  ID 2/2</th>
</tr>
</thead>
</table>

Code indicating the reason a shipment status or appointment reason was transmitted

Supported values:

- **NS**  
  Normal Status

<table>
<thead>
<tr>
<th>AT703</th>
<th>1652</th>
<th>Shipment Appointment Status Code</th>
<th>X  ID 2/2</th>
</tr>
</thead>
</table>

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)

<table>
<thead>
<tr>
<th>AT704</th>
<th>1651</th>
<th>Shipment Status or Appointment Reason Code</th>
<th>O  ID 2/2</th>
</tr>
</thead>
</table>

Code indicating the reason a shipment status or appointment reason was transmitted

Refer to 004010 Data Element Dictionary for acceptable code values.

<table>
<thead>
<tr>
<th>AT705</th>
<th>373</th>
<th>Date</th>
<th>X  DT 8/8</th>
</tr>
</thead>
</table>

Date expressed as CCYYMMDD

Example: 20160526 (26th May 2016)
<table>
<thead>
<tr>
<th>AT706</th>
<th>337</th>
<th>Time</th>
<th>X</th>
<th>TM 4/8</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Time expressed in 24-hour clock time as follows: HHMMSS, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Example: 224529 (10:45:29 pm)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AT707</th>
<th>623</th>
<th>Time Code</th>
<th>O</th>
<th>ID 2/2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>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</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supported values:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>LT    Local Time</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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:**

**Example Syntax:**

MS1*DETROIT*MI*US~

### Data Element Summary

<table>
<thead>
<tr>
<th>Ref. Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
<td>MS101</td>
<td>City Name</td>
<td>M AN 2/30</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Free-form text for city name</td>
</tr>
<tr>
<td>M</td>
<td>MS102</td>
<td>State or Province Code</td>
<td>C ID 2/2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Code (Standard State/Province) as defined by appropriate government agency</td>
</tr>
<tr>
<td>M</td>
<td>MS103</td>
<td>Country Code</td>
<td>M ID 2/2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Code identifying the country</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>X</td>
<td>MS104</td>
<td>Longitude Code</td>
<td>X ID 7/7</td>
</tr>
<tr>
<td>X</td>
<td>MS105</td>
<td>Latitude Code</td>
<td>X ID 7/7</td>
</tr>
<tr>
<td>X</td>
<td>MS106</td>
<td>Direction Identifier Code</td>
<td>O ID 1/1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Refer to 004010 Data Element Dictionary for acceptable code values.</td>
</tr>
<tr>
<td>X</td>
<td>MS107</td>
<td>Direction Identifier Code</td>
<td>O ID 1/1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Refer to 004010 Data Element Dictionary for acceptable code values.</td>
</tr>
</tbody>
</table>
Segment: **MS2** Equipment or Container Owner and Type  
**Position:** 146  
**Loop:** 0205 Mandatory  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the owner, the identification number assigned by that owner, and the type of equipment  
**Comments:** MS203 identifies the type for the equipment specified in MS202.

### Example Syntax:

```
MS2*SUDU*852938**7~
```

### Data Element Summary

<table>
<thead>
<tr>
<th>Ref.</th>
<th>Data Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
<th>ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
<td>MS201</td>
<td>140</td>
<td>Standard Carrier Alpha Code</td>
<td>M</td>
<td>ID 2/4</td>
</tr>
<tr>
<td>M</td>
<td>MS202</td>
<td>207</td>
<td>Equipment Number</td>
<td>M</td>
<td>AN 1/10</td>
</tr>
<tr>
<td>X</td>
<td>MS203</td>
<td>40</td>
<td>Equipment Description Code</td>
<td>X</td>
<td>ID 2/2</td>
</tr>
<tr>
<td>M</td>
<td>MS204</td>
<td>761</td>
<td>Equipment Number Check Digit</td>
<td>M</td>
<td>N0 1/1</td>
</tr>
</tbody>
</table>

Standard Carrier Alpha Code: Standard Carrier Alpha Code  
Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)  
Refer to 004010 Data Element Dictionary for acceptable code values.  
Number which designates the check digit applied to a piece of equipment
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

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

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

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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

<table>
<thead>
<tr>
<th>Ref.</th>
<th>Data Des.</th>
<th>Data Element</th>
<th>Name</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
<td>IEA01</td>
<td>I16</td>
<td>Number of Included Functional Groups</td>
<td>M  N0 1/5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>A count of the number of functional groups included in an interchange</td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>IEA02</td>
<td>I12</td>
<td>Interchange Control Number</td>
<td>M  N0 9/9</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>A control number assigned by the interchange sender</td>
<td></td>
</tr>
</tbody>
</table>
6 Appendix

6.1 Status Event Codes

The following events are requested from truck operators:

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Status description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>Pick-up Appointment Date and/or Time (Appointment Time for Export)</td>
</tr>
<tr>
<td>AB</td>
<td>Delivery Appointment Date and/or Time (Appointment Time for Import)</td>
</tr>
<tr>
<td>AF</td>
<td>Carrier Departed Pick-up Location with Shipment</td>
</tr>
<tr>
<td>CD</td>
<td>Carrier Departed Delivery Location</td>
</tr>
<tr>
<td>CP</td>
<td>Completed Loading at Pick-up Location</td>
</tr>
<tr>
<td>D1</td>
<td>Completed Unloading at Delivery Location</td>
</tr>
<tr>
<td>X1</td>
<td>Arrived at Delivery Location</td>
</tr>
<tr>
<td>X3</td>
<td>Arrived at Pick-up Location</td>
</tr>
</tbody>
</table>
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*CF*NS***20170125*1500*LT~
MS1*CHICAGO*IL*US~
MS2*HASU*431020**S~
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**S~
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*SUDU5MANEN211AX*BM~
LX*1~
AT7***AB**20170202*1200*LT~
MS1*SENeca*SC*US~
MS2*SUDU*545487**S~
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*XI*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*DI*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~