



# **EDI Specifications**

**Version 4010 / Transaction Set 214**  
**Shipment Status Message**

**VERSION: 1.01 DRAFT**

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# 214 Transportation Carrier Shipment Status Message

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>TSi<br/>Required</u> | <u>Id</u> | <u>Segment Name</u>  | <u>Req</u> | <u>Max.<br/>Use</u> | <u>Loop<br/>Repeat</u> | <u>Notes and Comments</u> |
|-------------------------|-----------|--|------------|---------------------|------------------------|---------------------------|
| M                       | ST        | Transaction Set Header   | M          | 1                   |                        |                           |
| M                       | B10       | Beginning Segment for Transportation Carrier Shipment Status Message | M          | 1                   |                        |                           |
| M                       | L11       | Business Instructions and Reference Number                           | O          | 300                 |                        |                           |
|                         |           |  |            |                     | 10                     |                           |
| M                       | N1        | Name   | M          | 1                   |                        |                           |
| M                       | N3        | Address Information  | M          | 2                   |                        |                           |
| M                       | N4        | Geographic Location  | M          | 1                   |                        |                           |
| M                       | G62       | Date/Time  | M          | 1                   |                        |                           |
| M                       | MS3       | Interline Information  | O          | 12                  |                        |                           |
|                         |           |  |            |                     | 999999                 |                           |
| M                       | LX        | Assigned Number  | M          | 1                   |                        |                           |
|                         |           |  |            |                     | 10                     |                           |
| M                       | AT7       | Shipment Status Details  | M          | 1                   |                        |                           |
| M                       | MS1       | Equipment, Shipment, or Real Property Location                       | M          | 1                   |                        |                           |
| M                       | MS2       | Equipment or Container Owner and Type                                | M          | 1                   |                        |                           |
| M                       | L11       | Business Instructions and Reference Number                           | O          | 1                   |                        |                           |
| M                       | Q7        | Lading Exception Code  | O          | 10                  |                        |                           |
| C                       | AT5       | Bill of Lading Handling Requirements                                 | O          | 10                  |                        |                           |
| M                       | AT8       | Shipment Weight, Packaging and Quantity Data                         | M          | 10                  |                        |                           |
| M                       | SE        | Transaction Set Trailer  | M          | 1                   |                        |                           |

## Transaction Set Notes

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

# ISA Interchange Control Header

Pos: - Mandatory Max: 1  
 Loop: N/A Elements: 16

To start and identify an interchange of zero or more functional groups and interchange-related control segments

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>  | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| ISA01      | I01       | <b>Authorization Information Qualifier</b><br><b>Description:</b> Code to identify the type of information in the Authorization Information<br><u>Code NAME</u><br>00 No Authorization Information Present (No Meaningful Information in I02)                                    | M          | ID          | 2/2            | Must use     |
| ISA02      | I02       | <b>Authorization Information</b><br><b>Description:</b> 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          | AN          | 10/10          | Must use     |
| ISA03      | I03       | <b>Security Information Qualifier</b><br><b>Description:</b> Code to identify the type of information in the Security Information<br><u>Code NAME</u><br>00 No Security Information Present (No Meaningful Information in I04)   | M          | ID          | 2/2            | Must use     |
| ISA04      | I04       | <b>Security Information</b><br><b>Description:</b> 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          | AN          | 10/10          | Must use     |
| ISA05      | I05       | <b>Interchange ID Qualifier</b><br><b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified<br><u>Code NAME</u><br>01 Duns (Dun & Bradstreet)<br>02 SCAC (Standard Carrier Alpha Code) | M          | ID          | 2/2            | Must use     |
| ISA06      | I06       | <b>Interchange Sender ID</b><br><b>Description:</b> 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   | M          | AN          | 15/15          | Must use     |
| ISA07      | I05       | <b>Interchange ID Qualifier</b><br><b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified<br><u>Code NAME</u><br>01 Duns (Dun & Bradstreet)<br>ZZ Mutually Defined                   | M          | ID          | 2/2            | Must use     |
| ISA08      | I07       | <b>Interchange Receiver ID</b><br><b>Description:</b> 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            | M          | AN          | 15/15          | Must use     |
| ISA09      | I08       | <b>Interchange Date</b><br><b>Description:</b> Date of the interchange   | M          | DT          | 6/6            | Must use     |

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>  | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| ISA10      | I09       | <b>Interchange Time</b><br><b>Description:</b> Time of the interchange   | M          | TM          | 4/4            | Must use     |
| ISA11      | I10       | <b>Interchange Control Standards Identifier</b><br><b>Description:</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer<br><u>Code</u> <u>NAME</u><br>U U.S. EDI Community of ASC X12   | M          | ID          | 1/1            | Must use     |
| ISA12      | I11       | <b>Interchange Control Version Number</b><br><b>Description:</b> This version number covers the interchange control segments<br><u>Code</u> <u>NAME</u><br>00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997  | M          | ID          | 5/5            | Must use     |
| ISA13      | I12       | <b>Interchange Control Number</b><br><b>Description:</b> A control number assigned by the interchange sender   | M          | N0          | 9/9            | Must use     |
| ISA14      | I13       | <b>Acknowledgment Requested</b><br><b>Description:</b> Code sent by the sender to request an interchange acknowledgment (TA1)<br><u>Code</u> <u>NAME</u><br>0 No Acknowledgment Requested  | M          | ID          | 1/1            | Must use     |
| ISA15      | I14       | <b>Usage Indicator</b><br><b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information<br><u>Code</u> <u>NAME</u><br>P Production Data   | M          | ID          | 1/1            | Must use     |
| ISA16      | I15       | <b>Component Element Separator</b><br><b>Description:</b> 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          |             | 1/1            | Must use     |

# GS Functional Group Header

|             |             |
|-------------|-------------|
| Pos:        | Max: 1      |
| - Mandatory |             |
| Loop: N/A   | Elements: 8 |

To indicate the beginning of a functional group and to provide control information

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>  | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| GS01       | 479       | <b>Functional Identifier Code</b><br><b>Description:</b> Code identifying a group of application related transaction sets<br><u>Code NAME</u><br>QM Transportation Carrier Shipment Status Message (214)   | M          | ID          | 2/2            | Must use     |
| GS02       | 142       | <b>Application Sender's Code</b><br><b>Description:</b> Code identifying party sending transmission; codes agreed to by trading partners<br>Carrier SCAC   | M          | AN          | 2/15           | Must use     |
| GS03       | 124       | <b>Application Receiver's Code</b><br><b>Description:</b> Code identifying party receiving transmission. Codes agreed to by trading partners   | M          | AN          | 2/15           | Must use     |
| GS04       | 373       | <b>Date</b><br><b>Description:</b> Date expressed as CCYYMMDD  | M          | DT          | 8/8            | Must use     |
| GS05       | 337       | <b>Time</b><br><b>Description:</b> 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)   | M          | TM          | 4/8            | Must use     |
| GS06       | 28        | <b>Group Control Number</b><br><b>Description:</b> Assigned number originated and maintained by the sender   | M          | N0          | 1/9            | Must use     |
| GS07       | 455       | <b>Responsible Agency Code</b><br><b>Description:</b> Code used in conjunction with Data Element 480 to identify the issuer of the standard<br><u>Code NAME</u><br>X Accredited Standards Committee X12  | M          | ID          | 1/2            | Must use     |
| GS08       | 480       | <b>Version / Release / Industry Identifier Code</b><br><b>Description:</b> 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).<br><u>Code NAME</u><br>004010 Draft Standards Approved for Publication by ASC X12<br>Procedures Review Board through October 1997 | M          | AN          | 1/12           | Must use     |

## Semantics:

- GS04 is the group date.

2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

**Comments:**

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

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

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>  | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| ST01       | 143       | <b>Transaction Set Identifier Code</b><br><b>Description:</b> Code uniquely identifying a Transaction Set<br><u>Code NAME</u><br>214 Transportation Carrier Shipment Status Message                      | M          | ID          | 3/3            | Must use     |
| ST02       | 329       | <b>Transaction Set Control Number</b><br><b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | M          | AN          | 4/9            | Must use     |

**Segment: B10 Beginning Segment for Transportation Carrier Shipment Status Message****Loop:****Level:****Usage:** Mandatory**Max Use:** 1**Purpose:** To transmit identifying numbers and other basic data relating to the transaction set

**Syntax Notes:**

- 1 At least one of B1001 or B1006 is required.
- 2 Only one of B1001 or B1005 may be present.
- 3 If either B1005 or B1006 is present, then the other is required.

**Semantic Notes:**

- 1 B1001 is the carrier assigned reference number.
- 2 B1007 indicates if the reference numbers included in this transmission were transmitted to the carrier via EDI or key entered by the carrier. A "Y" indicates that the carrier received the reference numbers in an EDI transmission; an "N" indicates that the carrier did not receive the reference numbers in an EDI transmission and key entered the data from a shipper supplied document.

**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.

**Data Element Summary**

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>   | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| B1001      | 127       | <b>Reference Identification</b><br><b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier<br>Carrier Freight Bill Number   | M          | AN          | 1/30           | Must use     |
| B1002      | 145       | <b>Shipment Identification Number</b><br><b>Description:</b> 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)<br>Shipper BOL | M          | AN          | 1/30           | Must use     |
| B1003      | 140       | <b>Standard Carrier Alpha Code</b><br><b>Description:</b> Standard Carrier Alpha Code<br>Carrier SCAC   | M          | ID          | 2/4            | Must use     |
| B1004      | 71        | <b>Inquiry Request Number</b><br><b>Description:</b> Identifying number assigned by inquirer<br><u>Code</u> <u>NAME</u>   | M          | N0          | 1/3            | Used         |
|            |           | 1 Outbound Shipment   |            |             |                |              |
|            |           | 2 Inbound Shipment  |            |             |                |              |



**Segment: L11 Business Instructions and Reference Number****Loop:****Level:****Usage:** Optional**Max Use:** 300**Purpose:** To specify instructions in this business relationship or a reference number

- Syntax Notes:**
- 1 At least one of L1101 or L1103 is required.
  - 2 If either L1101 or L1102 is present, then the other is required.

**Semantic Notes:****Comments:****Data Element Summary**

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>   | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| L1101      | 127       | <b>Reference Identification</b><br>Reference information as defined for a particular Transaction Set or as specified by the<br>Reference Identification Qualifier | M          | AN          | 1/30           | Used         |
| L1102      | 128       | <b>Reference Identification Qualifier</b><br>Code qualifying the Reference Identification<br><u>Code NAME</u><br>PO Purchase Order Number                         | M          | ID          | 2/3            | Used         |

**Segment: N1 Name****Loop:** 0100 Mandatory**Level:****Usage:** Mandatory**Max Use:** 1**Purpose:** To identify a party by type of organization, name, and code

- Syntax Notes:**
- 1 At least one of N102 or N103 is required.
  - 2 If either N103 or N104 is present, then the other is required.

**Semantic Notes:**

- Comments:**
- 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
  - 2 N105 and N106 further define the type of entity in N101.

**Data Element Summary**

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>  | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| N101       | 98        | <b>Entity Identifier Code</b><br><b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual | M          | ID          | 2/3            | Must use     |
|            |           | <u>Code</u> <u>NAME</u>  |            |             |                |              |
|            |           | CN Consignee   |            |             |                |              |
|            |           | N5 Party Who Signed the Delivery Receipt   |            |             |                |              |
|            |           | SH Shipper   |            |             |                |              |
| N102       | 93        | <b>Name</b><br><b>Description:</b> Free-form name  | M          | AN          | 1/60           | Must use     |

**Segment: N3 Address Information****Loop:** 0100 Optional**Level:****Usage:** Optional**Max Use:** 2**Purpose:** To specify the location of the named party**Syntax Notes:****Semantic Notes:****Comments:** \* The N3 segment is required where N101 = 'CN' or 'SH'. The N3 is not sent for N101= 'N5'.**Data Element Summary**

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>                     | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| N301       | 166       | Address Information                     | M          | AN          | 1/55           | Must use     |
|            |           | <b>Description:</b> Address information |            |             |                |              |

**Segment: N4 Geographic Location****Loop:** 0100 Optional**Level:****Usage:** Optional**Max Use:** 1**Purpose:** To specify the geographic place of the named party**Syntax Notes:** 1 If N406 is present, then N405 is required.**Semantic Notes:**

- Comments:**
- 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
  - 2 N402 is required only if city name (N401) is in the U.S. or Canada.
  - \* **The N4 segment is required where N101 = 'CN' or 'SH'. The N4 is not sent for N101= 'N5'.**

**Data Element Summary**

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>  | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| N401       | 19        | <b>City Name</b><br><b>Description:</b> Free-form text for city name   | M          | AN          | 2/30           | Must use     |
| N402       | 156       | <b>State or Province Code</b><br><b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency                      | M          | ID          | 2/2            | Must use     |
| N403       | 116       | <b>Postal Code</b><br><b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | M          | ID          | 3/15           | Must use     |
| N404       | 26        | <b>Country Code</b><br><b>Description:</b> Code identifying the country  | M          | ID          | 2/3            | Must use     |

**Segment:** **G62** Date/Time

**Loop:** 0100 Optional

**Level:**

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify pertinent dates and times

**Syntax Notes:**

- 1 At least one of G6201 or G6203 is required.
- 2 If either G6201 or G6202 is present, then the other is required.
- 3 If either G6203 or G6204 is present, then the other is required.

**Semantic Notes:**

**Comments:**

#### Data Element Summary

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>   | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| G6201      | 432       | <b>Date Qualifier</b><br>Description: Code specifying type of date<br><u>Code NAME</u><br>11 Shipped on This Date | O          | ID          | 2/2            | Used         |
| G6202      | 373       | <b>Date</b><br>Description: Date expressed as CCYYMMDD  | O          | DT          | 8/8            | Used         |

**Segment: MS3 Interline Information****Loop:****Level:****Usage:** Optional**Max Use:** 12**Purpose:** To identify the interline carrier and relevant data**Syntax Notes:** 1 If MS305 is present, then MS303 is required.**Semantic Notes:** 1 MS301 is the Standard Carrier Alpha Code (SCAC) of the interline carrier.

2 MS303 is the city where the interline was performed.

**Comments:****Data Element Summary**

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>   | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| MS301      | 140       | <b>Standard Carrier Alpha Code</b><br>Standard Carrier Alpha Code   | M          | ID          | 2/4            | Must Use     |
| MS302      | 133       | <b>Routing Sequence Code</b><br>Code describing the relationship of a carrier to a specific shipment movement | M          | ID          | 1/2            | Must Use     |
|            |           | <u>Code</u> <u>NAME</u>   |            |             |                |              |
|            |           | B Origin/Delivery Carrier (Any Mode)  |            |             |                |              |

**Segment:** **LX** Assigned Number

**Loop:** 0200 Mandatory

**Level:**

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To reference a line number in a transaction set

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

#### Data Element Summary

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>  | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| LX01       | 554       | Assigned Number  | M          | N0          | 1/6            | Must use     |
|            |           | <b>Description:</b> Number assigned for differentiation within a transaction set |            |             |                |              |

**Segment: AT7 Shipment Status Details****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.

- Syntax Notes:**
- 1 Only one of AT701 or AT703 may be present.
  - 2 If either AT701 or AT702 is present, then the other is required.
  - 3 If either AT703 or AT704 is present, then the other is required.
  - 4 If AT706 is present, then AT705 is required.
  - 5 If AT707 is present, then AT706 is required.

- Semantic Notes:**
- 1 If AT701 is present, AT705 is the date the status occurred. If AT703 is present, AT705 is a date related to an appointment.  
If AT701 is present, AT706 is the time of the status. If AT703 is present, AT706 is the time of the appointment.
  - 2 If AT707 is not present then AT706 represents local time of the status.

**Comments:****Data Element Summary**

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>   | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| AT701      | 1650      | <b>Shipment Status Code</b><br><b>Description:</b> Code indicating the status of a shipment   | M          | ID          | 2/2            | Must Use     |
|            |           | <u>Code</u> <u>NAME</u>   |            |             |                |              |
|            |           | AF Carrier Departed Pick-up Location with Shipment  |            |             |                |              |
|            |           | X2 Estimated Delivery   |            |             |                |              |
|            |           | AV Available for Delivery   |            |             |                |              |
|            |           | D1 Completed Unloading at Delivery Location (Actual Delivery)   |            |             |                |              |
|            |           | X1 Arrived for Unloading.   |            |             |                |              |
|            |           | AJ Tendered for Delivery  |            |             |                |              |
|            |           | BC Storage in Transit   |            |             |                |              |
|            |           | K1 Arrived at Customs   |            |             |                |              |
|            |           | PR US Customs Hold at In-Bond Location  |            |             |                |              |
|            |           | S1 Trailer Spotted at Consignee's Location  |            |             |                |              |
|            |           | SD Shipment Delayed   |            |             |                |              |
|            |           | X5 Arrived at Delivery Location Loading Dock  |            |             |                |              |
| AT702      | 1651      | <b>Shipment Status or Appointment Reason Code</b><br><b>Description:</b> Code indicating the reason a shipment status or appointment reason was transmitted | M          | ID          | 2/2            | Must Use     |
|            |           | <u>Code</u> <u>NAME</u>   |            |             |                |              |
|            |           | NS Normal Status  |            |             |                |              |
| AT703      | 1652      | <b>Shipment Appointment Status Code</b><br>Code indicating the status of an appointment to pick-up or deliver a shipment                                    | C          | ID          | 2/2            | Not used     |
| AT704      | 1651      | <b>Shipment Status or Appointment Reason Code</b><br>Code indicating the reason a shipment status or appointment reason was transmitted                     | C          | ID          | 2/2            | Not used     |
| AT705      | 373       | <b>Date</b><br>Date expressed as CCYYMMDD   | M          | DT          | 8/8            | Must Use     |



|              |            |   |          |           |            |                 |
|--------------|------------|---|----------|-----------|------------|-----------------|
| <b>AT706</b> | <b>337</b> | <b>Time</b><br>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)  | <b>M</b> | <b>TM</b> | <b>4/8</b> | <b>Must Use</b> |
| <b>AT707</b> | <b>623</b> | <b>Time Code</b><br>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<br>Refer to 004010 Data Element Dictionary for acceptable code values. | <b>M</b> | <b>ID</b> | <b>2/2</b> | <b>Must Use</b> |

**Segment: MS1 Equipment, Shipment, or Real Property Location****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

- Syntax Notes:**
- 1 If MS101 is present, then at least one of MS102 or MS103 is required.
  - 2 Only one of MS101 or MS104 may be present.
  - 3 If MS102 is present, then MS101 is required.
  - 4 If MS103 is present, then MS101 is required.
  - 5 If either MS104 or MS105 is present, then the other is required.
  - 6 If MS106 is present, then MS104 is required.
  - 7 If MS107 is present, then MS105 is required.

- Semantic Notes:**
- 1 MS104 is the longitude expressed in Degrees, Minutes, and Seconds.
  - 2 MS105 is the latitude expressed in Degrees, Minutes, and Seconds.
  - 3 MS106 may only be 'E' or 'W'.
  - 4 MS107 may only be 'N' or 'S'.

**Comments:****Data Element Summary**

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>   | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| MS101      | 19        | <b>City Name</b><br>Free-form text for city name  | M          | AN          | 2/30           | Must Use     |
| MS102      | 156       | <b>State or Province Code</b><br>Code (Standard State/Province) as defined by appropriate government agency | M          | ID          | 2/2            | Must Use     |
| MS103      | 26        | <b>Country Code</b><br>Code identifying the country   | M          | ID          | 2/3            | Must Use     |

**Segment: MS2 Equipment or Container Owner and Type****Loop:** 0205 Mandatory**Level:****Usage:** Mandatory**Max Use:** 1**Purpose:** To specify the owner, the identification number assigned by that owner, and the type of equipment**Syntax Notes:** 1 If either MS201 or MS202 is present, then the other is required.

2 If MS204 is present, then MS202 is required.

**Semantic Notes:****Comments:** 1 MS203 identifies the type for the equipment specified in MS202.**Data Element Summary**

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>  | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| MS201      | 140       | <b>Standard Carrier Alpha Code</b><br><b>Description:</b> Standard Carrier Alpha Code  | M          | ID          | 2/4            | Must Use     |
| MS202      | 207       | <b>Equipment Number</b><br><b>Description:</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) | M          | AN          | 1/10           | Must Use     |

**Segment:** **L11** Business Instructions and Reference Number

**Loop:**

**Level:**

**Usage:** Optional

**Max Use:** 1

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

**Syntax Notes:** 1 At least one of L1101 or L1103 is required.

2 If either L1101 or L1102 is present, then the other is required.

**Semantic Notes:**

**Comments:**

#### Data Element Summary

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>   | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| L1101      | 127       | <b>Reference Identification</b><br>Reference information as defined for a particular Transaction Set or as specified by the<br>Reference Identification Qualifier | M          | AN          | 1/30           | Used         |
| L1102      | 128       | <b>Reference Identification Qualifier</b><br>Code qualifying the Reference Identification<br><u>Code</u> <u>NAME</u><br>PO Purchase Order Number                  | M          | ID          | 2/3            | Used         |

**Note:** The L11 segment is Mandatory, when there are Multiple Stop Offs. It will need to be included in the LX Loop.

**Segment: Q7 Lading Exception Code****Loop:** 0200 Optional**Level:****Usage:** Optional**Max Use:** 10**Purpose:** To specify the status of the shipment in terms of lading exception information**Syntax Notes:** 1 If Q702 is present, then Q703 is required.**Semantic Notes:****Comments:****Data Element Summary**

| <u>Ref</u>  | <u>Id</u>  | <u>Element Name</u>  | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|-------------|------------|--|------------|-------------|----------------|--------------|
| <b>Q701</b> | <b>33</b>  | <b>Lading Exception Code</b><br>Code indicating the condition of the shipment<br><u>Code NAME</u><br>D Damaged<br>O Overage<br>P Partial Shipment  | <b>M</b>   | <b>ID</b>   | <b>1/1</b>     | <b>Used</b>  |
| <b>Q702</b> | <b>211</b> | <b>Packaging Form Code</b><br>Code for packaging form of the lading quantity<br><u>Code NAME</u><br>BOX Box<br>CNT Container<br>CRT Crate<br>CTN Carton<br>DRM Drum<br>KEG Keg<br>PCS Pieces<br>PLT Pallet<br>SKD Skid | <b>M</b>   | <b>ID</b>   | <b>3/3</b>     | <b>Used</b>  |
| <b>Q703</b> | <b>80</b>  | <b>Lading Quantity</b><br>Number of units (pieces) of the lading commodity   | <b>M</b>   | <b>N0</b>   | <b>1/7</b>     | <b>Used</b>  |

**Segment: AT5 Bill of Lading Handling Requirements****Loop:** 0200 Optional**Level:****Usage:** Optional**Max Use:** 10**Purpose:** To identify Bill of Lading handling and service requirements**Syntax Notes:** 1 Only one of AT501 or AT503 may be present.

2 Only one of AT502 or AT503 may be present.

**Semantic Notes:****Comments:****Data Element Summary**

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>  | <u>Req</u> | <u>Type</u> | <u>Min/<br/>Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|---------------------|--------------|
| AT501      | 152       | <b>Special Handling Code</b><br>Code specifying special transportation handling instructions<br>Refer to 4010001 Data Element Dictionary for acceptable code values. | C          | ID          | 2/3                 | Used         |
| AT502      | 560       | <b>Special Services Code</b><br>Code identifying the special service<br>Refer to 4010001 Data Element Dictionary for acceptable code values.                         | C          | ID          | 2/10                | Used         |

**Segment: AT8 Shipment Weight, Packaging and Quantity Data****Loop:** 0200 Mandatory**Level:****Usage:** Mandatory**Max Use:** 10**Purpose:** To specify shipment details in terms of weight, and quantity of handling units**Syntax Notes:** 1 If any of AT801 AT802 or AT803 is present, then all are required.

2 If either AT806 or AT807 is present, then the other is required.

**Semantic Notes:** 1 AT804 is the quantity of handling units that are not unitized (for example a carton). When added to the quantity in AT805, it is the total quantity of handling units in the shipment.

2 AT805 is the quantity of handling units that are unitized (for example on a pallet or slip sheet). When added to the quantity in AT804 it is the total quantity of handling units for the shipment.

**Comments:****Data Element Summary**

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>   | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| AT801      | 187       | <b>Weight Qualifier</b><br><b>Description:</b> Code defining the type of weight<br><u>Code NAME</u><br>G Gross Weight | C          | ID          | 1/2            | Must Use     |
| AT802      | 188       | <b>Weight Unit Code</b><br><b>Description:</b> Code specifying the weight unit<br><u>Code NAME</u><br>L Pounds        | C          | ID          | 1/1            | Must Use     |
| AT803      | 81        | <b>Weight</b><br><b>Description:</b> Numeric value of weight  | M          | R           | 1/10           | Must Use     |
| AT804      | 80        | <b>Lading Quantity</b><br><b>Description:</b> Number of units (pieces) of the lading commodity                        | M          | N0          | 1/7            | Must Use     |
| AT806      | 184       | <b>Volume Unit Qualifier</b><br><b>Description:</b> Code identifying the volume unit                                  | C          | ID          | 1/1            | Used         |
| AT807      | 183       | <b>Volume</b><br><b>Description:</b> Value of volumetric measure  | C          | R           | 1/8            | Used         |

**Segment: SE Transaction Set Trailer****Loop:****Level:****Usage:** Mandatory**Max Use:** 1**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)**Syntax Notes:****Semantic Notes:****Comments:** 1 SE is the last segment of each transaction set.**Data Element Summary**

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>  | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| SE01       | 96        | <b>Number of Included Segments</b><br><b>Description:</b> Total number of segments included in a transaction set including ST and SE segments  | M          | N0          | 1/10           | Must use     |
| SE02       | 329       | <b>Transaction Set Control Number</b><br><b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | M          | AN          | 4/9            | Must use     |



# GE Functional Group Trailer

|             |             |
|-------------|-------------|
| Pos:        | Max: 1      |
| - Mandatory |             |
| Loop: N/A   | Elements: 2 |

To indicate the end of a functional group and to provide control information

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>  | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| GE01       | 97        | <b>Number of Transaction Sets Included</b><br><b>Description:</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element | M          | N0          | 1/6            | Must use     |
| GE02       | 28        | <b>Group Control Number</b><br><b>Description:</b> Assigned number originated and maintained by the sender   | M          | N0          | 1/9            | Must use     |

## Semantics:

- The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

## Comments:

- 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.

# IEA Interchange Control Trailer

|             |             |
|-------------|-------------|
| Pos:        | Max: 1      |
| - Mandatory |             |
| Loop: N/A   | Elements: 2 |

To define the end of an interchange of zero or more functional groups and interchange-related control segments

## Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>  | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| IEA01      | I16       | <b>Number of Included Functional Groups</b><br><b>Description:</b> A count of the number of functional groups included in an interchange | M          | N0          | 1/5            | Must use     |
| IEA02      | I12       | <b>Interchange Control Number</b><br><b>Description:</b> A control number assigned by the interchange sender                             | M          | N0          | 9/9            | Must use     |