



C.H. ROBINSON

214 Transportation Carrier Shipment Status Message

X12/V4010/214: 214 Transportation Carrier Shipment Status Message

Version: 1.6 Final

| | |
|------------------|---|
| Author: | Carrier Connectivity EDI |
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| Notes: | Added case count and pallet count in AT8 |

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214 Transportation Carrier Shipment Status Message

Functional Group=QM

Purpose: 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.

Not Defined:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Notes</u> | <u>Usage</u> |
|-----------------------|-----------|--|------------|----------------|-----------------|-----------------------|--------------|
| | ISA | Interchange Control Header | M | 1 | | | Must use |
| | GS | Functional Group Header | M | 1 | | | Must use |
| 010 | ST | Transaction Set Header | M | 1 | | | Used |
| 020 | B10 | Beginning Segment for Transportation Carrier Shipment Status Message | M | 1 | | | Must use |
| 030 | L11 | Business Instructions and Reference Number | O | 300 | | | Used |
| 035 | MAN | Marks and Numbers | O | 1 | | C0/035 | Used |
| LOOP ID - 0100 | | | | | <u>2</u> | <u>N0/050L</u> | |
| 050 | N1 | Name | M | 1 | | N0/050 | Used |
| 070 | N3 | Address Information | O | 2 | | | Used |
| 080 | N4 | Geographic Location | O | 1 | | | Used |
| 100 | G62 | Date/Time | O | 1 | | | Used |
| LOOP ID - 0100 | | | | | <u>1</u> | <u>N0/050L</u> | |
| 050 | N1 | Name | M | 1 | | N0/050 | Used |
| 070 | N3 | Address Information | O | 2 | | | Used |
| 080 | N4 | Geographic Location | O | 1 | | | Used |
| 100 | G62 | Date/Time | O | 1 | | | Used |
| LOOP ID - 0200 | | | | | <u>1</u> | | |
| 130 | LX | Assigned Number | M | 1 | | | Must use |
| LOOP ID - 0205 | | | | | <u>2</u> | | |
| 140 | AT7 | Shipment Status Details | O | 1 | | | Must use |
| 143 | MS1 | Equipment, Shipment, or Real Property Location | M | 1 | | | Must use |
| 146 | MS2 | Equipment or Container Owner and Type | O | 1 | | | Used |
| 150 | L11 | Business Instructions and Reference Number | O | 10 | | | Used |
| 150 | L11 | Business Instructions and Reference Number | O | 2 | | | Recommended |
| 150 | L11 | Business Instructions and Reference Number | O | 2 | | | Recommended |
| 160 | Q7 | Lading Exception Code | O | 10 | | | Used |
| 200 | AT8 | Shipment Weight, Packaging and Quantity | O | 10 | | | Used |

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Notes</u> | <u>Usage</u> |
|------------|-----------|-----------------------------|------------|----------------|---------------|--------------|--------------|
| | | Data | | | | | |
| 610 | SE | Transaction Set Trailer | M | 1 | | | Used |
| | GE | Functional Group Trailer | M | 1 | | | Must use |
| | IEA | Interchange Control Trailer | M | 1 | | | Must use |

Notes:

- 0/050L Optional
- 0/050 To identify a party by type of organization, name, and code.
- 0/050L Optional
- 0/050 To identify a party by type of organization, name, and code.

Comments:

- 0/035 This is required if you are shipping a temperature controlled load for C.H. Robinson or when C.H. Robinson is the Shippers Agent for a customer.

Transaction Notes:

APPLICATION NOTES

1. LTL Carrier Spec

This EDI 214 Load Status Message implementation guide pertains to Less Than Load (LTL) shipments from LTL carriers. This spec is NOT for Truckload carriers.

2. Functional Acknowledgments.

Please notify CH Robinson if you do not wish to receive 997 functional acknowledgements for the 214's.

3. Errors

CH Robinson will not be responsible for correcting data sent to us. CH Robinson will send 997 functional acknowledgements, indicating the EDI syntax acceptance status of the received 214.

4. Inbound 214 Load Status Events

- Pickup or Delivery Event - Actual Dates and Times applicable to a pickup or delivery location of a shipment.

X3 - Arrived at Pickup Location

AF - Departed Pickup Location

X1 - Arrived at Delivery Location

CD - Departed Delivery Location (delivery complete)

- Check Call Event 'In Transit' - This is the actual date and time of a truck at a specified location en route to a pickup or a delivery. This location will not be a pickup or a delivery location.

X6- En Route to Location

- See code list for additional codes.

5. Timing

- C.H. Robinson would like to receive In-Transit updates every 15 minutes

- C.H. Robinson needs to receive 214 status updates as close to the actual event as possible. Ideally within 15 minutes of the event.

C.H. Robinson Inbound 214 Structure:

.A 214 load status report to C.H. Robinson should report a status(s) for one and only one location. For example, three 214's would be required to report a status(s) for each stop of a 3-stop load. A single 214 may contain 2 statuses in separate AT7 Loops for the same location. However, C.H. Robinson prefers only one status per 214.

.Maximum of one LX Loop per 214 with a maximum of 2 AT7 loops in the LX.

.CH Robinson needs to receive 214 status updates within one hour of the event occurrence.

Sample:

```

ST*214*481810001
B10*5896152*5896152*XXXX
L11*5896152*AG
L11*CHRW123456*OW
N1*SH*BAW PLASTICS INCORPORATED
N3*CENTURY III BUSINESS CTR*2148 CENTURY DRIVE
N4*JEFFERSON HILLS*PA*15025
G62*86*20050812
N1*CN*FINISH LINE
N3*3308 N MITTOEFFER ROAD*
N4*INDIANAPOLIS*IN*46235
G62*17*20050816
LX*1
AT7*D1*NS***20050815*1332*LT
MS1*INDIANAPOLIS*IN*USA
MS2*CWCE*049397
Q7*D*CAS*11
AT8*G*L*41923
SPO*6493642008**CA*21
SE*20*481810001

```

ISA Interchange Control Header

| | |
|--------------------------------|---------------------|
| Pos: | Max: 1 |
| Not Defined - Mandatory | |
| Loop: N/A | Elements: 16 |

User Option (Usage): Must use

Purpose: To start and identify 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> |
|---|-----------|--|------------|-------------|----------------|--------------|
| ISA01 | I01 | Authorization Information Qualifier | M | ID | 2/2 | Must use |
| Description: Code to identify the type of information in the Authorization Information All valid standard codes are used. (Total Codes: 7) | | | | | | |
| ISA02 | I02 | Authorization Information | M | AN | 10/10 | Must use |
| Description: 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) | | | | | | |
| ISA03 | I03 | Security Information Qualifier | M | ID | 2/2 | Must use |
| Description: Code to identify the type of information in the Security Information All valid standard codes are used. (Total Codes: 2) | | | | | | |
| ISA04 | I04 | Security Information | M | AN | 10/10 | Must use |
| Description: 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) | | | | | | |
| ISA05 | I05 | Interchange ID Qualifier | M | ID | 2/2 | Must use |
| Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified All valid standard codes are used. (Total Codes: 38) | | | | | | |
| ISA06 | I06 | Interchange Sender ID | M | AN | 15/15 | Must use |
| Description: 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 | | | | | | |
| ISA07 | I05 | Interchange ID Qualifier | M | ID | 2/2 | Must use |
| Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified CodeList Summary (Total Codes: 38, Included: 1) Code Name 02 SCAC (Standard Carrier Alpha Code) | | | | | | |
| ISA08 | I07 | Interchange Receiver ID | M | AN | 15/15 | Must use |
| Description: 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 | | | | | | |

Element Notes:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| | | <i>Test ID = RBTWTEST</i> | | | | |
| | | <i>Production ID = RBTW</i> | | | | |
| ISA09 | I08 | Interchange Date | M | DT | 6/6 | Must use |
| | | Description: Date of the interchange | | | | |
| ISA10 | I09 | Interchange Time | M | TM | 4/4 | Must use |
| | | Description: Time of the interchange | | | | |
| ISA11 | I10 | Interchange Control Standards Identifier | M | ID | 1/1 | Must use |
| | | Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer | | | | |
| | | All valid standard codes are used. (Total Codes: 1) | | | | |
| ISA12 | I11 | Interchange Control Version Number | M | ID | 5/5 | Must use |
| | | Description: Code specifying the version number of the interchange control segments | | | | |
| | | CodeList Summary (Total Codes: 14, Included: 3) | | | | |
| | | Code Name | | | | |
| | | 00400 Standard Issued as ANSI X12.5-1997 | | | | |
| | | 00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997 | | | | |
| | | 00402 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1998 | | | | |
| ISA13 | I12 | Interchange Control Number | M | N0 | 9/9 | Must use |
| | | Description: A control number assigned by the interchange sender | | | | |
| ISA14 | I13 | Acknowledgment Requested | M | ID | 1/1 | Must use |
| | | Description: Code sent by the sender to request an interchange acknowledgment (TA1) | | | | |
| | | All valid standard codes are used. (Total Codes: 2) | | | | |
| ISA15 | I14 | Usage Indicator | M | ID | 1/1 | Must use |
| | | Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information | | | | |
| | | All valid standard codes are used. (Total Codes: 3) | | | | |
| ISA16 | I15 | Component Element Separator | M | | 1/1 | Must use |
| | | Description: 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 | | | | |

GS Functional Group Header

| | |
|--------------------------------|--------------------|
| Pos: | Max: 1 |
| Not Defined - Mandatory | |
| Loop: N/A | Elements: 8 |

User Option (Usage): Must use

Purpose: 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 | Functional Identifier Code | M | ID | 2/2 | Must use |

Description: Code identifying a group of application related transaction sets

CodeList Summary (Total Codes: 240, Included: 1)

Code Name

QM Transportation Carrier Shipment Status Message (214)

| | | | | | | |
|------|-----|----------------------------------|---|----|------|----------|
| GS02 | 142 | Application Sender's Code | M | AN | 2/15 | Must use |
|------|-----|----------------------------------|---|----|------|----------|

Description: Code identifying party sending transmission; codes agreed to by trading partners

| | | | | | | |
|------|-----|------------------------------------|---|----|------|----------|
| GS03 | 124 | Application Receiver's Code | M | AN | 2/15 | Must use |
|------|-----|------------------------------------|---|----|------|----------|

Description: Code identifying party receiving transmission; codes agreed to by trading partners

Element Notes:

Test ID = RBTWTEST

Production ID = RBTW

| | | | | | | |
|------|-----|-------------|---|----|-----|----------|
| GS04 | 373 | Date | M | DT | 8/8 | Must use |
|------|-----|-------------|---|----|-----|----------|

Description: Date expressed as CCYYMMDD

| | | | | | | |
|------|-----|-------------|---|----|-----|----------|
| GS05 | 337 | Time | M | TM | 4/8 | Must use |
|------|-----|-------------|---|----|-----|----------|

Description: 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)

| | | | | | | |
|------|----|-----------------------------|---|----|-----|----------|
| GS06 | 28 | Group Control Number | M | N0 | 1/9 | Must use |
|------|----|-----------------------------|---|----|-----|----------|

Description: Assigned number originated and maintained by the sender

| | | | | | | |
|------|-----|--------------------------------|---|----|-----|----------|
| GS07 | 455 | Responsible Agency Code | M | ID | 1/2 | Must use |
|------|-----|--------------------------------|---|----|-----|----------|

Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480

All valid standard codes are used. (Total Codes: 2)

| | | | | | | |
|------|-----|---|---|----|------|----------|
| GS08 | 480 | Version / Release / Industry Identifier Code | M | AN | 1/12 | Must use |
|------|-----|---|---|----|------|----------|

Description: 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,

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|--|----------------|--------------|
| | | then other formats are allowed | | | | |
| | | CodeList Summary (Total Codes: 39, Included: 1) | | | | |
| | | <u>Code</u> | | <u>Name</u> | | |
| | | 004010 | | Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997 | | |

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:

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

ST Transaction Set Header

| | |
|-------------------------|-------------|
| Pos: 010 | Max: 1 |
| Not Defined - Mandatory | |
| Loop: N/A | Elements: 2 |

User Option (Usage): Used

Purpose: To indicate the start of a transaction set and to assign a control number

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 | Transaction Set Identifier Code | M | ID | 3/3 | Must use |
| Description: Code uniquely identifying a Transaction Set | | | | | | |
| CodeList Summary (Total Codes: 298, Included: 1) | | | | | | |
| <u>Code</u> <u>Name</u> | | | | | | |
| 214 Transportation Carrier Shipment Status Message | | | | | | |
| ST02 | 329 | Transaction Set Control Number | M | AN | 4/9 | Must use |
| Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | | | | | | |

B10 Beginning Segment for Transportation Carrier Shipment Status Message

| | |
|-------------------------|-------------|
| Pos: 020 | Max: 1 |
| Not Defined - Mandatory | |
| Loop: N/A | Elements: 7 |

User Option (Usage): Must use

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

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 | Reference Identification | X | AN | 1/30 | Must use |

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

Element Notes: *Carrier Assigned Pro Number*

| | | | | | | |
|-------|-----|--------------------------------|---|----|------|------|
| B1002 | 145 | Shipment Identification Number | O | AN | 1/30 | Used |
|-------|-----|--------------------------------|---|----|------|------|

Description: 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)

Element Notes: *C.H. Robinson Load Number*

| | | | | | | |
|-------|-----|-----------------------------|---|----|-----|----------|
| B1003 | 140 | Standard Carrier Alpha Code | M | ID | 2/4 | Must use |
|-------|-----|-----------------------------|---|----|-----|----------|

Description: Standard Carrier Alpha Code

| | | | | | | |
|-------|----|------------------------|---|----|-----|------|
| B1004 | 71 | Inquiry Request Number | O | N0 | 1/3 | Used |
|-------|----|------------------------|---|----|-----|------|

Description: Identifying number assigned by inquirer

| | | | | | | |
|-------|-----|------------------------------------|---|----|-----|----------|
| B1005 | 128 | Reference Identification Qualifier | X | ID | 2/3 | Not used |
|-------|-----|------------------------------------|---|----|-----|----------|

Description: Code qualifying the Reference Identification
All valid standard codes are used. (Total Codes: 1503)

| | | | | | | |
|-------|-----|--------------------------|---|----|------|----------|
| B1006 | 127 | Reference Identification | X | AN | 1/30 | Not used |
|-------|-----|--------------------------|---|----|------|----------|

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

| | | | | | | |
|-------|------|-----------------------------------|---|----|-----|----------|
| B1007 | 1073 | Yes/No Condition or Response Code | O | ID | 1/1 | Not used |
|-------|------|-----------------------------------|---|----|-----|----------|

Description: Code indicating a Yes or No condition or response
All valid standard codes are used. (Total Codes: 4)

Syntax Rules:

1. E0105 - Only one of B1001 or B1005 may be present.
2. P0506 - If either B1005 or B1006 is present, then the other is required.
3. R0106 - At least one of B1001 or B1006 is required.

L11 Business Instructions and Reference Number

| | |
|------------------------|-------------|
| Pos: 030 | Max: 300 |
| Not Defined - Optional | |
| Loop: N/A | Elements: 2 |

User Option (Usage): Used

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

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 | Reference Identification | X | AN | 1/30 | Recommended |
| L1102 | 128 | Reference Identification Qualifier | X | ID | 2/3 | Recommended |

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

Description: Code qualifying the Reference Identification

Element Notes:

OW = CHRW Online Confirmation Number

CodeList Summary (Total Codes: 1503, Included: 5)

Code Name

- BM Bill of Lading Number
- CR Customer Reference Number
- OW Service Order Number - CHRW Online Confirmation Number
- P8 Pickup Reference Number
- SI Shipper's Identifying Number for Shipment (SID)

Syntax Rules:

1. P0102 - If either L1101 or L1102 is present, then the other is required.
2. R0103 - At least one of L1101 or L1103 is required.

MAN Marks and Numbers

| | |
|------------------------|-------------|
| Pos: 035 | Max: 1 |
| Not Defined - Optional | |
| Loop: N/A | Elements: 3 |

User Option (Usage): Used

Purpose: To indicate identifying marks and numbers for shipping containers

Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|-------|----|-----------------------------|-----|------|---------|----------|
| MAN01 | 88 | Marks and Numbers Qualifier | M | ID | 1/2 | Must use |

Description: Code specifying the application or source of Marks and Numbers (87)

CodeList Summary (Total Codes: 20, Included: 1)

| Code | Name |
|------|------------------|
| ZZ | Mutually Defined |

| | | | | | | |
|-------|----|-------------------|---|----|------|----------|
| MAN02 | 87 | Marks and Numbers | M | AN | 1/48 | Must use |
|-------|----|-------------------|---|----|------|----------|

Description: Marks and numbers used to identify a shipment or parts of a shipment

Element Notes: *Please send the recorded temperture at time of stop here*

| | | | | | | |
|-------|----|-------------------|---|----|------|----------|
| MAN03 | 87 | Marks and Numbers | O | AN | 1/48 | Must use |
|-------|----|-------------------|---|----|------|----------|

Description: Marks and numbers used to identify a shipment or parts of a shipment

Element Notes:
*If temperature is in fahrenheit please denote with "F".
 If temperature is in celsius please denote with "C".*

Syntax Rules:

1. C0605 - If MAN06 is present, then MAN05 is required.
2. P0405 - If either MAN04 or MAN05 is present, then the other is required.

Segment/Loop Notes:

The MAN segment will be used for FSMA and Temp controlled shipments. Please send the recorded temperature value at each stop.

*Example: MAN*ZZ*24.9°F*

Loop Name

| | |
|------------|---------------|
| Pos: 050 | Repeat: 2 |
| Optional | |
| Loop: 0100 | Elements: N/A |

User Option (Usage): Used

Purpose: To identify a party by type of organization, name, and code

Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|---------------------|------------|----------------|---------------|--------------|
| 050 | N1 | Name | M | 1 | | Used |
| 070 | N3 | Address Information | O | 2 | | Used |
| 080 | N4 | Geographic Location | O | 1 | | Used |
| 100 | G62 | Date/Time | O | 1 | | Used |

Segment/Loop Notes:

Header N1 Loop(s) are Optional.

If sending the N1 Loop(s) the N1,N3 & N4 are used.

N1 Name

| | |
|-------------------------|-------------|
| Pos: 050 | Max: 1 |
| Not Defined - Mandatory | |
| Loop: 0100 | Elements: 4 |

User Option (Usage): Used

Purpose: To identify a party by type of organization, name, and code

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 | Entity Identifier Code | M | ID | 2/3 | Used |

Description: Code identifying an organizational entity, a physical location, property or an individual

SH = Shipper

CN = Consignee

CodeList Summary (Total Codes: 1312, Included: 3)

Code Name

CN Consignee

N5 Party Who Signed the Delivery Receipt

SH Shipper

| | | | | | | |
|------|----|------|---|----|------|----------|
| N102 | 93 | Name | X | AN | 1/60 | Must use |
|------|----|------|---|----|------|----------|

Description: Free-form name

| | | | | | | |
|------|----|-------------------------------|---|----|-----|------|
| N103 | 66 | Identification Code Qualifier | X | ID | 1/2 | Used |
|------|----|-------------------------------|---|----|-----|------|

Description: Code designating the system/method of code structure used for Identification Code (67)

All valid standard codes are used. (Total Codes: 215)

| | | | | | | |
|------|----|---------------------|---|----|------|------|
| N104 | 67 | Identification Code | X | AN | 2/80 | Used |
|------|----|---------------------|---|----|------|------|

Description: Code identifying a party or other code

Syntax Rules:

1. P0304 - If either N103 or N104 is present, then the other is required.
2. R0203 - At least one of N102 or N103 is required.

N3 Address Information

Pos: 070 Max: 2
 Not Defined - Optional
 Loop: 0100 Elements: 2

User Option (Usage): Used

Purpose: To specify the location of the named party

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 | 1/30 | Must use |
| | | Description: Address information | | | | |
| N302 | 166 | Address Information | O | AN | 1/30 | Used |
| | | Description: Address information | | | | |

N4 Geographic Location

| | |
|------------------------|-------------|
| Pos: 080 | Max: 1 |
| Not Defined - Optional | |
| Loop: 0100 | Elements: 3 |

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

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 | City Name | O | AN | 2/30 | Must use |
| | | Description: Free-form text for city name | | | | |
| N402 | 156 | State or Province Code | O | ID | 2/2 | Must use |
| | | Description: Code (Standard State/Province) as defined by appropriate government agency | | | | |
| N403 | 116 | Postal Code | O | ID | 3/15 | Must use |
| | | Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | | | | |

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

G62 Date/Time

| | |
|------------------------|-------------|
| Pos: 100 | Max: 1 |
| Not Defined - Optional | |
| Loop: 0100 | Elements: 2 |

User Option (Usage): Used

Purpose: To specify pertinent dates and times

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 | 1Date Qualifier | X | ID | 2/2 | Used |

Description: Code specifying type of date

Element Notes: *If N101 = 'SH "86' - Actual Pickup
If N101 = 'CN "17' - Estimated Delivery Date*

CodeList Summary (Total Codes: 137, Included: 2)

Code Name

| | |
|----|-------------------------|
| 17 | Estimated Delivery Date |
| 86 | Actual Pickup Date |

| | | | | | | |
|-------|-----|------|---|----|-----|------|
| G6202 | 373 | Date | X | DT | 8/8 | Used |
|-------|-----|------|---|----|-----|------|

Description: Date expressed as CCYYMMDD

Element Notes: *CCYYMMDD*

Syntax Rules:

1. P0102 - If either G6201 or G6202 is present, then the other is required.
2. P0304 - If either G6203 or G6204 is present, then the other is required.
3. R0103 - At least one of G6201 or G6203 is required.

Loop Name

Pos: 050 Repeat: 1
 Optional
 Loop: 0100 Elements: N/A

User Option (Usage): Used

Purpose: To identify a party by type of organization, name, and code

Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|---------------------|------------|----------------|---------------|--------------|
| 050 | N1 | Name | M | 1 | | Used |
| 070 | N3 | Address Information | O | 2 | | Used |
| 080 | N4 | Geographic Location | O | 1 | | Used |
| 100 | G62 | Date/Time | O | 1 | | Used |

N1 Name

| | |
|--------------------------------|--------------------|
| Pos: 050 | Max: 1 |
| Not Defined - Mandatory | |
| Loop: 0100 | Elements: 4 |

User Option (Usage): Used

Purpose: To identify a party by type of organization, name, and code

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 | Entity Identifier Code | M | ID | 2/3 | Must use |

Description: Code identifying an organizational entity, a physical location, property or an individual

N5 = Party who signed the delivery receipt

CodeList Summary (Total Codes: 1312, Included: 1)

Code Name

N5 Party Who Signed the Delivery Receipt

| | | | | | | |
|------|----|-------------|---|----|------|----------|
| N102 | 93 | Name | X | AN | 1/60 | Must use |
|------|----|-------------|---|----|------|----------|

Description: Free-form name

| | | | | | | |
|------|----|--------------------------------------|---|----|-----|------|
| N103 | 66 | Identification Code Qualifier | X | ID | 1/2 | Used |
|------|----|--------------------------------------|---|----|-----|------|

Description: Code designating the system/method of code structure used for Identification Code (67)

All valid standard codes are used. (Total Codes: 215)

| | | | | | | |
|------|----|----------------------------|---|----|------|------|
| N104 | 67 | Identification Code | X | AN | 2/80 | Used |
|------|----|----------------------------|---|----|------|------|

Description: Code identifying a party or other code

Syntax Rules:

1. P0304 - If either N103 or N104 is present, then the other is required.
2. R0203 - At least one of N102 or N103 is required.

Segment/Loop Notes:

Send with Delivery 214

N3 Address Information

| | |
|------------------------|-------------|
| Pos: 070 | Max: 2 |
| Not Defined - Optional | |
| Loop: 0100 | Elements: 2 |

User Option (Usage): Used

Purpose: To specify the location of the named party

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 | 1/30 | Used |
| | | Description: Address information | | | | |
| N302 | 166 | Address Information | O | AN | 1/30 | Used |
| | | Description: Address information | | | | |

N4 Geographic Location

| | |
|------------------------|-------------|
| Pos: 080 | Max: 1 |
| Not Defined - Optional | |
| Loop: 0100 | Elements: 3 |

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

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 | City Name | O | AN | 2/30 | Must use |
| | | Description: Free-form text for city name | | | | |
| N402 | 156 | State or Province Code | O | ID | 2/2 | Must use |
| | | Description: Code (Standard State/Province) as defined by appropriate government agency | | | | |
| N403 | 116 | Postal Code | O | ID | 3/15 | Must use |
| | | Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | | | | |

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

G62 Date/Time

| | |
|------------------------|-------------|
| Pos: 100 | Max: 1 |
| Not Defined - Optional | |
| Loop: 0100 | Elements: 2 |

User Option (Usage): Used

Purpose: To specify pertinent dates and times

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 | Date Qualifier | X | ID | 2/2 | Used |

Description: Code specifying type of date

Element Notes: *If N101 = 'CN "17' - Estimated Delivery*

CodeList Summary (Total Codes: 137, Included: 1)

Code Name

17 Estimated Delivery Date

| | | | | | | |
|-------|-----|------|---|----|-----|------|
| G6202 | 373 | Date | X | DT | 8/8 | Used |
|-------|-----|------|---|----|-----|------|

Description: Date expressed as CCYYMMDD

Element Notes: *CCYYMMDD*

Syntax Rules:

1. P0102 - If either G6201 or G6202 is present, then the other is required.
2. P0304 - If either G6203 or G6204 is present, then the other is required.
3. R0103 - At least one of G6201 or G6203 is required.

Loop Assigned Number

Pos: 130 Repeat: 1
 Mandatory
 Loop: 0200 Elements: N/A

User Option (Usage): Must use

Purpose: To reference a line number in a transaction set

Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|--|------------|----------------|---------------|--------------|
| 130 | LX | Assigned Number | M | 1 | | Must use |
| 140 | | Loop 0205 | M | | 2 | Must use |
| 150 | L11 | Business Instructions and Reference Number | O | 10 | | Used |
| 150 | L11 | Business Instructions and Reference Number | O | 2 | | Recommended |
| 150 | L11 | Business Instructions and Reference Number | O | 2 | | Recommended |
| 160 | Q7 | Lading Exception Code | O | 10 | | Used |
| 200 | AT8 | Shipment Weight, Packaging and Quantity Data | O | 10 | | Used |

LX Assigned Number

| | |
|-------------------------|-------------|
| Pos: 130 | Max: 1 |
| Not Defined - Mandatory | |
| Loop: 0200 | Elements: 1 |

User Option (Usage): Must use

Purpose: To reference a line number in a transaction set

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 |

Description: Number assigned for differentiation within a transaction set

Segment/Loop Notes:

Maximum of 1 LX Loop.

If using the L11 segments to send Lat/Long, you do not need to use both formats. Please choose only one.

Loop Shipment Status Details

| | |
|--------------------------|-----------|
| Pos: 140 | Repeat: 2 |
| Mandatory | |
| Loop: 0205 Elements: N/A | |

User Option (Usage): Must use

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.

Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|--|------------|----------------|---------------|--------------|
| 140 | AT7 | Shipment Status Details | O | 1 | | Must use |
| 143 | MS1 | Equipment, Shipment, or Real Property Location | M | 1 | | Must use |
| 146 | MS2 | Equipment or Container Owner and Type | O | 1 | | Used |

AT7 Shipment Status Details

| | |
|------------------------|-------------|
| Pos: 140 | Max: 1 |
| Not Defined - Optional | |
| Loop: 0205 | Elements: 7 |

User Option (Usage): Must use

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.

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 | Shipment Status Code | X | ID | 2/2 | Used |

Description: Code indicating the status of a shipment

Element Notes:

Special Notes / Instructions:

- At a minimum C.H. Robinson must receive the X3 & AF for every Pick Up location and X1 & CD for every Delivery location on all shipments. Ideally within 15 minutes of the event.

- C.H. Robinson wants to receive In-Transit updates every 15 minutes in the form of an X6 status code.

All valid standard codes are used. (Total Codes: 42)

| | | | | | | |
|-------|------|--|---|----|-----|------|
| AT702 | 1651 | Shipment Status or Appointment Reason Code | X | ID | 2/2 | Used |
|-------|------|--|---|----|-----|------|

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

Element Notes: NS - Normal Status or see Late Reason Code List

All valid standard codes are used. (Total Codes: 86)

| | | | | | | |
|-------|------|----------------------------------|---|----|-----|------|
| AT703 | 1652 | Shipment Appointment Status Code | X | ID | 2/2 | Used |
|-------|------|----------------------------------|---|----|-----|------|

Description: Code indicating the status of an appointment to pick-up or deliver a shipment

CodeList Summary (Total Codes: 9, Included: 2)

Code Name

AA Pick-up Appointment Date and/or Time

AB Delivery Appointment Date and/or Time

| | | | | | | |
|-------|------|--|---|----|-----|------|
| AT704 | 1651 | Shipment Status or Appointment Reason Code | X | ID | 2/2 | Used |
|-------|------|--|---|----|-----|------|

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

All valid standard codes are used. (Total Codes: 86)

| | | | | | | |
|-------|-----|-------------|---|----|-----|----------|
| AT705 | 373 | Status Date | X | DT | 8/8 | Must use |
|-------|-----|-------------|---|----|-----|----------|

Description: Date expressed as CCYYMMDD

| | | | | | | |
|-------|-----|-------------|---|----|-----|----------|
| AT706 | 337 | Status Time | X | TM | 4/8 | Must use |
|-------|-----|-------------|---|----|-----|----------|

Description: 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

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| | | = tenths (0-9) and DD = hundredths (00-99) | | | | |
| | | Element Notes: <i>HHMM</i> | | | | |
| AT707 | 623 | Time Code | O | ID | 2/2 | Recommended |

Description: 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

Element Notes:

The date/time in AT7_05 & 06 are local time. No adjustments should be made for time zones.

CodeList Summary (Total Codes: 51, Included: 1)

Code Name

LT Local Time

Syntax Rules:

1. C0605 - If AT706 is present, then AT705 is required.
2. C0706 - If AT707 is present, then AT706 is required.
3. E0103 - Only one of AT701 or AT703 may be present.
4. P0102 - If either AT701 or AT702 is present, then the other is required.
5. P0304 - If either AT703 or AT704 is present, then the other is required.

MS1 Equipment, Shipment, or Real Property Location

| | |
|-------------------------|-------------|
| Pos: 143 | Max: 1 |
| Not Defined - Mandatory | |
| Loop: 0205 | Elements: 3 |

User Option (Usage): Must use

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

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 | City Name | X | AN | 2/30 | Must use |

Description: Free-form text for city name

Element Notes: *Event Location City*

| | | | | | | |
|-------|-----|------------------------|---|----|-----|----------|
| MS102 | 156 | State or Province Code | X | ID | 2/2 | Must use |
|-------|-----|------------------------|---|----|-----|----------|

Description: Code (Standard State/Province) as defined by appropriate government agency

Element Notes:

Event Location State - For Mexico State use 2 digit codes as sent in 204 file:

- AG**- Aguascalientes
- BJ**- Baja California
- BS**- Baja California
- CP**- Campeche
- CH**- Chiapas
- CI**- Chihuahua
- CU**- Coahuila
- CL**- Colima
- DF**- Distrito Federal
- DG**- Durango
- GJ**- Guanajuato
- GR**- Guerrero
- HG**- Hidalgo
- JA**- Jalisco
- EM**- México
- MH**- Michoacán
- MR**- Morelos
- NA**- Nayarit
- NL**- Nuevo León
- OA**- Oaxaca
- PU**- Puebla
- QA**- Querétaro
- QR**- Quintana Roo
- SL**- San Luis Potosí
- SI**- Sinaloa
- SO**- Sonora

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| | | TA - Tabasco | | | | |
| | | TM - Tamaulipas | | | | |
| | | TL - Tlaxcala | | | | |
| | | VZ - Veracruz | | | | |
| | | YC - Yucatán | | | | |
| | | ZT - Zacatecas | | | | |
| MS103 | 26 | Country Code | X | ID | 2/3 | Used |
| | | Description: Code identifying the country | | | | |
| | | Element Notes: <i>Event Location Country</i> | | | | |

Syntax Rules:

1. C0201 - If MS102 is present, then MS101 is required.
2. C0301 - If MS103 is present, then MS101 is required.
3. C0604 - If MS106 is present, then MS104 is required.
4. C0705 - If MS107 is present, then MS105 is required.
5. E0104 - Only one of MS101 or MS104 may be present.
6. P0405 - If either MS104 or MS105 is present, then the other is required.
7. L010203 - If MS101 is present, then at least one of MS102 or MS103 is required.

MS2 Equipment or Container Owner and Type

| | |
|------------------------|-------------|
| Pos: 146 | Max: 1 |
| Not Defined - Optional | |
| Loop: 0205 | Elements: 2 |

User Option (Usage): Used

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

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 | Standard Carrier Alpha Code | X | ID | 2/4 | Used |

Description: Standard Carrier Alpha Code

Element Notes: *Carrier's SCAC Code*

| | | | | | | |
|-------|-----|------------------|---|----|------|------|
| MS202 | 207 | Equipment Number | X | AN | 1/10 | Used |
|-------|-----|------------------|---|----|------|------|

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

Element Notes: *Trailer Number*

Syntax Rules:

1. C0402 - If MS204 is present, then MS202 is required.
2. P0102 - If either MS201 or MS202 is present, then the other is required.

Comments:

1. Only send MS2 if you have the Trailer Number

L11 Business Instructions and Reference Number

| | |
|------------------------|-------------|
| Pos: 150 | Max: 10 |
| Not Defined - Optional | |
| Loop: 0200 | Elements: 2 |

User Option (Usage): Used

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

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 | Reference Identification | O | AN | 1/30 | Used |

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

Element Notes: *Stop Number*

| | | | | | | |
|-------|-----|------------------------------------|---|----|-----|------|
| L1102 | 128 | Reference Identification Qualifier | O | ID | 2/3 | Used |
|-------|-----|------------------------------------|---|----|-----|------|

Description: Code qualifying the Reference Identification

Element Notes:

Use this for Tractor number with VT qualifier (Motor Vehicle ID Number).

*Example L11*T1213123*VT*

CodeList Summary (Total Codes: 1503, Included: 1)

Code Name

VT Motor Vehicle ID Number

Syntax Rules:

1. P0102 - If either L1101 or L1102 is present, then the other is required.
2. R0103 - At least one of L1101 or L1103 is required.

Segment/Loop Notes:

Mandatory Truck Load ONLY!

L11 Business Instructions and Reference Number

| | |
|------------------------|-------------|
| Pos: 150 | Max: 2 |
| Not Defined - Optional | |
| Loop: 0200 | Elements: 3 |

User Option (Usage): Recommended

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

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 | Reference Identification | X | AN | 1/30 | Must use |

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

| | | | | | | |
|-------|-----|------------------------------------|---|----|-----|----------|
| L1102 | 128 | Reference Identification Qualifier | X | ID | 2/3 | Must use |
|-------|-----|------------------------------------|---|----|-----|----------|

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1503, Included: 2)

Code Name

LK Longitude expressed in Degrees, Minutes and Seconds

LQ Latitude Expressed in Degrees, Minutes and Seconds

| | | | | | | |
|-------|-----|-------------|---|----|------|------|
| L1103 | 352 | Description | X | AN | 1/80 | Used |
|-------|-----|-------------|---|----|------|------|

Description: A free-form description to clarify the related data elements and their content

Element Notes: When L11/02 is "LK". Please define East/West using "E" or "W".
When L11/02 is "LQ". Please define North/South using "N" or "S".

Syntax Rules:

1. P0102 - If either L1101 or L1102 is present, then the other is required.
2. R0103 - At least one of L1101 or L1103 is required.

Segment/Loop Notes:

Sending Lat/Long does not replace the requirement for sending city/state in the MS1.

Example LX loop with Lat/Long sent as Degrees, Minutes, Seconds:

LX*1

AT7*X6*NS***20170530*2210*LT

MS1*TEMPE*AZ*US

MS2*ETLZ*530123

L11*2*QN

L11*332531*LQ*N

L11*1115624*LK*W

L11 Business Instructions and Reference Number

| | |
|------------------------|-------------|
| Pos: 150 | Max: 2 |
| Not Defined - Optional | |
| Loop: 0200 | Elements: 2 |

User Option (Usage): Recommended

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

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 | Reference Identification | X | AN | 1/30 | Must use |
| Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |
| L1102 | 128 | Reference Identification Qualifier | X | ID | 2/3 | Must use |
| Description: Code qualifying the Reference Identification | | | | | | |
| CodeList Summary (Total Codes: 1503, Included: 2) | | | | | | |
| Code Name | | | | | | |
| LH Longitude Expressed in Seconds | | | | | | |
| LL Latitude Expressed in Seconds | | | | | | |

Syntax Rules:

1. P0102 - If either L1101 or L1102 is present, then the other is required.
2. R0103 - At least one of L1101 or L1103 is required.

Segment/Loop Notes:

Sending Lat/Long does not replace the requirement for sending city/state in the MS1.

Example LX loop with Lat/Long sent as decimal:

```
LX*1
AT7*X6*NS***20170530*2210*LT
MS1*TEMPE*AZ*US
MS2*ETLZ*530123
L11*2*QN
L11*33.4255*LL
L11*-111.9400*LH
```

Q7 Lading Exception Code

| | |
|------------------------|-------------|
| Pos: 160 | Max: 10 |
| Not Defined - Optional | |
| Loop: 0200 | Elements: 3 |

User Option (Usage): Used

Purpose: To specify the status of the shipment in terms of lading exception 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> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| Q701 | 33 | Lading Exception Code | M | ID | 1/1 | Must use |
| | | Description: Code indicating the condition of the shipment All valid standard codes are used. (Total Codes: 6) | | | | |
| Q702 | 211 | Packaging Form Code | X | ID | 3/3 | Must use |
| | | Description: Code for packaging form of the lading quantity All valid standard codes are used. (Total Codes: 134) | | | | |
| Q703 | 80 | Lading Quantity | X | N0 | 1/7 | Must use |
| | | Description: Number of units (pieces) of the lading commodity | | | | |

Syntax Rules:

1. C0203 - If Q702 is present, then Q703 is required.

Segment/Loop Notes:

Q7 is Optional. If used, we need Q7_01, Q7_02, Q7_03

AT8 Shipment Weight, Packaging and Quantity Data

| | |
|------------------------|-------------|
| Pos: 200 | Max: 10 |
| Not Defined - Optional | |
| Loop: 0200 | Elements: 5 |

User Option (Usage): Used

Purpose: To specify shipment details in terms of weight, and quantity of handling units

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 | Weight Qualifier | X | ID | 1/2 | Used |
| Description: Code defining the type of weight All valid standard codes are used. (Total Codes: 51) | | | | | | |
| AT802 | 188 | Weight Unit Code | X | ID | 1/1 | Used |
| Description: Code specifying the weight unit All valid standard codes are used. (Total Codes: 8) | | | | | | |
| AT803 | 81 | Weight | X | R | 1/10 | Used |
| Description: Numeric value of weight | | | | | | |
| AT804 | 80 | Lading Quantity | O | N0 | 1/7 | Used |
| Description: Number of units (pieces) of the lading commodity User Note 2: <i>Case Count - Total number of cases on the load, including palletized and non-palletized.</i> | | | | | | |
| AT805 | 80 | Lading Quantity | O | N0 | 1/7 | Used |
| Description: Number of units (pieces) of the lading commodity Element Notes: <i>Pallet Count</i> | | | | | | |

Syntax Rules:

1. P0607 - If either AT806 or AT807 is present, then the other is required.
2. P010203 - If either AT801, AT802 or AT803 are present, then the others are required.

SE Transaction Set Trailer

| | |
|-------------------------|-------------|
| Pos: 610 | Max: 1 |
| Not Defined - Mandatory | |
| Loop: N/A | Elements: 2 |

User Option (Usage): Used

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)

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 | Number of Included Segments | M | N0 | 1/10 | Must use |
| | | Description: Total number of segments included in a transaction set including ST and SE segments | | | | |
| SE02 | 329 | Transaction Set Control Number | M | AN | 4/9 | Must use |
| | | Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | | | | |

GE Functional Group Trailer

| | |
|-------------------------|-------------|
| Pos: | Max: 1 |
| Not Defined - Mandatory | |
| Loop: N/A | Elements: 2 |

User Option (Usage): Must use

Purpose: 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 | Number of Transaction Sets Included | M | N0 | 1/6 | Must use |
| | | Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element | | | | |
| GE02 | 28 | Group Control Number | M | N0 | 1/9 | Must use |
| | | Description: Assigned number originated and maintained by the sender | | | | |

Semantics:

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

Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

IEA Interchange Control Trailer

| | |
|-------------------------|-------------|
| Pos: | Max: 1 |
| Not Defined - Mandatory | |
| Loop: N/A | Elements: 2 |

User Option (Usage): Must use

Purpose: 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 | Number of Included Functional Groups | M | N0 | 1/5 | Must use |
| | | Description: A count of the number of functional groups included in an interchange | | | | |
| IEA02 | I12 | Interchange Control Number | M | N0 | 9/9 | Must use |
| | | Description: A control number assigned by the interchange sender | | | | |