

# TMC

A DIVISION OF  
C.H. ROBINSON

## **304 Shipping Instructions (Ocean/Air)**

X12/V4010/304 : 304 Shipping Instructions (Ocean/Air)

**Version: 1.4**

Publication: 3/10/2022

# Notes

## Changes:

3/10/2022:

- LX / N722 – Updated PH45 notes to include “Pallet Wide”
- Added Segment QTY with fields QTY01/02/03

## Changes from V 1.2:

Header-level B2 segment:

- Added B201 values: DB, DO, BB, OD, BD, BP, PB

Header-level N9 segment:

- Added N901 qualifiers: 06, 23, 1O, 4D, TJ
- Increased max loops to 200

Header-level DTM segment:

- Added DTM03 & DTM04

Header-level N4 segment:

- Decreased N403 min to 1
- Decreased N402 min to 1

Header-level N4 segment:

- Decreased R408 min to 1

Detail-level N7 segment:

- Included N718
- Corrected typo in N722 user notes
- Added N715 values PW, PH

Detail-level L009 segment:

- Listed specific L009 values

Detail-level PO4 segment:

- Added PO413 codes: IN, CM

Detail-level LIN segment:

- Added LIN20, LIN21

# 304 Shipping Instructions

## Functional Group=SO

**Purpose:** This Draft Standard for Trial Use provides the format and establishes the data contents of the Shipment Instructions Transaction Set (304) for use within the context of an Electronic Data Interchange (EDI) environment. When this transaction set is transmitted to an ocean carrier, it provides all the information necessary to prepare and distribute a contract of carriage such as an ocean bill of lading, sea waybill, and other shipping documents. When this transaction set is transmitted to a freight forwarder or customs broker, it provides for the transmission of shipping and financial information required by the forwarder or customs broker to move cargo and provide the services requested.

### 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     |

### Heading:

| <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> |
|---------------------|-----------|--|------------|----------------|---------------|--------------|--------------|
| 010                 | ST        | Transaction Set Header                                 | M          | 1              |               |              | Must use     |
| 020                 | B2        | Beginning Segment for Shipment Information Transaction | M          | 1              |               |              | Must use     |
| 030                 | B2A       | Set Purpose  | O          | 1              |               |              | Used         |
| 050                 | G1        | Shipment Type Information                              | O          | 1              |               |              | Used         |
| 080                 | N9        | Reference Identification                               | O          | 200            |               |              | Used         |
| 090                 | V1        | Vessel Identification                                  | O          | 2              |               |              | Used         |
| 115                 | CUR       | Currency   | O          | 1              |               | N1/115       | Used         |
| 130                 | M2        | Sales/Delivery Terms                                   | O          | 1              |               |              | Used         |
| 155                 | ITD       | Terms of Sale/Deferred Terms of Sale                   | O          | 1              |               |              | Used         |
| 156                 | DTM       | Date/Time Reference                                    | O          | 20             |               |              | Used         |
| <b>LOOP ID - N1</b> |           |  |            |                | <b>100</b>    |              |              |
| 160                 | N1        | Name   | O          | 1              |               |              | Used         |
| 170                 | N2        | Additional Name Information                            | O          | 2              |               |              | Used         |
| 180                 | N3        | Address Information                                    | O          | 2              |               |              | Used         |
| 190                 | N4        | Geographic Location                                    | O          | 1              |               |              | Used         |
| 195                 | G61       | Contact  | O          | 3              |               |              | Used         |
| <b>LOOP ID - R4</b> |           |  |            |                | <b>20</b>     |              |              |
| 200                 | R4        | Port or Terminal                                       | O          | 1              |               |              | Used         |
| 210                 | DTM       | Date/Time Reference                                    | O          | 15             |               |              | Used         |
| 230                 | K1        | Remarks  | O          | 12             |               |              | Used         |
| 240                 | L11       | Business Instructions and Reference Number             | O          | 99             |               |              | Used         |

### Detail:

| <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> |
|---------------------|-----------|---------------------|------------|----------------|---------------|--------------|--------------|
| <b>LOOP ID - LX</b> |           |                     |            |                | <b>999</b>    |              |              |

| <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> |
|----------------------|-----------|---|------------|----------------|---------------|----------------|--------------|
| 010                  | LX        | Assigned Number                         | O          | 1              |               |                | Used         |
| <b>LOOP ID - N7</b>  |           |   |            |                | <b>999</b>    |                |              |
| 030                  | N7        | Equipment Details                       | O          | 1              |               |                | Used         |
| 035                  | QTY       | Quantity                                | O          | 1              |               |                | Used         |
| 050                  | M7        | Seal Numbers                            | O          | 5              |               |                | Used         |
| 060                  | W09       | Equipment and Temperature               | O          | 1              |               |                | Used         |
| 130                  | N9        | Reference Identification                | O          | 100            |               |                | Used         |
| 160                  | K1        | Remarks                                 | O          | 10             |               |                | Used         |
| <b>LOOP ID - L0</b>  |           |   |            |                | <b>120</b>    |                |              |
| 170                  | L0        | Line Item - Quantity and Weight         | O          | 1              |               |                | Used         |
| 171                  | MEA       | Measurements                            | O          | 10             |               |                | Used         |
| <b>LOOP ID - PO4</b> |           |   |            |                | <b>100</b>    | <b>N2/172L</b> |              |
| 172                  | PO4       | Item Physical Details                   | O          | 1              |               | N2/172         | Used         |
| 174                  | MAN       | Marks and Numbers                       | O          | 5              |               |                | Used         |
| 176                  | QTY       | Quantity                                | O          | 5              |               | N2/176         | Used         |
| <b>LOOP ID - CTP</b> |           |   |            |                | <b>1</b>      |                |              |
| 183                  | CTP       | Pricing Information                     | O          | 1              |               |                | Used         |
| 184                  | CUR       | Currency                                | O          | 1              |               |                | Used         |
| 185                  | L5        | Description, Marks and Numbers          | O          | 999            |               |                | Used         |
| 187                  | LIN       | Item Identification                     | O          | 1              |               |                | Used         |
| 195                  | N9        | Reference Identification                | O          | 100            |               |                | Used         |
| <b>LOOP ID - LH1</b> |           |   |            |                | <b>1</b>      |                |              |
| 290                  | LH1       | Hazardous Identification Information    | O          | 1              |               |                | Used         |
| 300                  | LH2       | Hazardous Classification Information    | O          | 4              |               | N2/300         | Used         |
| 310                  | LH3       | Hazardous Material Shipping Name        | O          | 10             |               |                | Used         |
| 320                  | LFH       | Freeform Hazardous Material Information | O          | 25             |               |                | Used         |
| 370                  | PER       | Administrative Communications Contact   | O          | 5              |               |                | Used         |

**Summary:**

| <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> |
|---------------------|-----------|--------------------------|------------|----------------|---------------|--------------|--------------|
| <b>LOOP ID - L3</b> |           |                          |            |                | <b>1</b>      |              |              |
| 010                 | L3        | Total Weight and Charges | O          | 1              |               |              | Used         |
| <b>LOOP ID - L1</b> |           |                          |            |                | <b>20</b>     |              |              |
| 030                 | L1        | Rate and Charges         | O          | 1              |               |              | Used         |
| 040                 | CUR       | Currency                 | O          | 1              |               |              | Used         |
| 080                 | SE        | Transaction Set Trailer  | M          | 1              |               |              | Must use     |

**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> |
|------------|-----------|--------------------------|------------|----------------|---------------|--------------|--------------|
|            | GE        | Functional Group Trailer | M          | 1              |               |              | Must use     |

| <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> |
|------------|-----------|-----------------------------|------------|----------------|---------------|--------------|--------------|
|            | IEA       | Interchange Control Trailer | M          | 1              |               |              | Must use     |

**Notes:**

- 1/115 The currency specified at this position will be in effect for all monetary values except those accompanied by a currency segment. If any other currency segments are transmitted, they will apply to the loop in which they occur.
- 2/172L The PO4 loop may be used to transmit layered packaging information. The use of the PO4 loop in Table 2 Position 172 is mutually exclusive with the use of the PO4 loop in Table 2 Position 162 in a single iteration of the LX loop.
- 2/172 The PO4 loop may be used to transmit layered packaging information. The use of the PO4 loop in Table 2 Position 172 is mutually exclusive with the use of the PO4 loop in Table 2 Position 162 in a single iteration of the LX loop.
- 2/176 The lading quantity of principal interest to the parties exchanging information is transmitted in the LO segment. The quantity ordered and other pertinent lading quantities are to be transmitted in the QTY segments in the LO loop.
- 2/300 If the hazardous endorsement (LH204) is "NONE", then use of LH204 is mandatory; however, the receiver must consider it to be blanks when printing a paper document.

# 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       | <b>Authorization Information Qualifier</b> | M          | ID          | 2/2            | Must use     |
| <b>Description:</b> Code to identify the type of information in the Authorization Information   |           |  |            |             |                |              |
| <b>Code List Summary</b> (Total Codes: 7, Included: 1)  |           |  |            |             |                |              |
| <b>Code Name</b>  |           |  |            |             |                |              |
| 00 No Authorization Information Present (No Meaningful Information in I02)  |           |  |            |             |                |              |
| ISA02   | I02       | <b>Authorization Information</b>           | M          | AN          | 10/10          | Must use     |
| <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) |           |  |            |             |                |              |
| ISA03   | I03       | <b>Security Information Qualifier</b>      | M          | ID          | 2/2            | Must use     |
| <b>Description:</b> Code to identify the type of information in the Security Information  |           |  |            |             |                |              |
| <b>Code List Summary</b> (Total Codes: 2, Included: 1)  |           |  |            |             |                |              |
| <b>Code Name</b>  |           |  |            |             |                |              |
| 00 No Security Information Present (No Meaningful Information in I04)   |           |  |            |             |                |              |
| ISA04   | I04       | <b>Security Information</b>                | M          | AN          | 10/10          | Must use     |
| <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)             |           |  |            |             |                |              |
| ISA05   | I05       | <b>Interchange ID Qualifier</b>            | M          | ID          | 2/2            | Must use     |
| <b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified  |           |  |            |             |                |              |
| <b>Code List Summary</b> (Total Codes: 38, Included: 1)   |           |  |            |             |                |              |
| <b>Code Name</b>  |           |  |            |             |                |              |
| ZZ Mutually Defined   |           |  |            |             |                |              |
| ISA06   | I06       | <b>Interchange Sender ID</b>               | M          | AN          | 15/15          | Must use     |
| <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                                |           |  |            |             |                |              |
| <b>User Note 1:</b>   |           |  |            |             |                |              |
| <i>PROD: RBTWTMC</i>  |           |  |            |             |                |              |
| <i>TEST: RBTWTMCTEST</i>  |           |  |            |             |                |              |
| ISA07   | I05       | <b>Interchange ID Qualifier</b>            | M          | ID          | 2/2            | Must use     |
| <b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified  |           |  |            |             |                |              |

| <u>Ref</u>  | <u>Id</u> | <u>Element Name</u>   | <u>Req</u>   | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|---|-----------|---|--|-------------|----------------|--------------|
| <b>All valid standard codes are used. (Total Codes: 38)</b> |           |   |  |             |                |              |
| ISA08   | I07       | <b>Interchange Receiver ID</b>  | M  | AN          | 15/15          | Must use     |
|   |           | <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   |  |             |                |              |
| ISA09   | I08       | <b>Interchange Date</b>   | M  | DT          | 6/6            | Must use     |
|   |           | <b>Description:</b> Date of the interchange   |  |             |                |              |
| ISA10   | I09       | <b>Interchange Time</b>   | M  | TM          | 4/4            | Must use     |
|   |           | <b>Description:</b> Time of the interchange   |  |             |                |              |
| ISA11   | I10       | <b>Interchange Control Standards Identifier</b>   | M  | ID          | 1/1            | Must use     |
|   |           | <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   |  |             |                |              |
|   |           | <b>Code List Summary</b> (Total Codes: 1, Included: 1)  |  |             |                |              |
|   |           | <b>Code</b>   | <b>Name</b>  |             |                |              |
|   |           | U   | U.S. EDI Community of ASC X12, TDCC, and UCS   |             |                |              |
| ISA12   | I11       | <b>Interchange Control Version Number</b>   | M  | ID          | 5/5            | Must use     |
|   |           | <b>Description:</b> Code specifying the version number of the interchange control segments  |  |             |                |              |
|   |           | <b>Code List Summary</b> (Total Codes: 14, Included: 1)   |  |             |                |              |
|   |           | <b>Code</b>   | <b>Name</b>  |             |                |              |
|   |           | 00401   | Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997 |             |                |              |
| ISA13   | I12       | <b>Interchange Control Number</b>   | M  | N0          | 9/9            | Must use     |
|   |           | <b>Description:</b> A control number assigned by the interchange sender   |  |             |                |              |
| ISA14   | I13       | <b>Acknowledgment Requested</b>   | M  | ID          | 1/1            | Must use     |
|   |           | <b>Description:</b> Code sent by the sender to request an interchange acknowledgment (TA1)  |  |             |                |              |
|   |           | <b>Code List Summary</b> (Total Codes: 2, Included: 1)  |  |             |                |              |
|   |           | <b>Code</b>   | <b>Name</b>  |             |                |              |
|   |           | 1   | Interchange Acknowledgment Requested   |             |                |              |
| ISA15   | I14       | <b>Usage Indicator</b>  | M  | ID          | 1/1            | Must use     |
|   |           | <b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information  |  |             |                |              |
|   |           | <b>Code List Summary</b> (Total Codes: 3, Included: 2)  |  |             |                |              |
|   |           | <b>Code</b>   | <b>Name</b>  |             |                |              |
|   |           | P   | Production Data  |             |                |              |
|   |           | T   | Test Data  |             |                |              |
| ISA16   | I15       | <b>Component Element Separator</b>  | M  |             | 1/1            | Must use     |
|   |           | <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 |  |             |                |              |

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>                                 | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
|            |           | element separator and the segment terminator        |            |             |                |              |
|            |           | <b>User Note 1:</b> <i>Prefered character: &gt;</i> |            |             |                |              |



# 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       | <b>Functional Identifier Code</b>                   | M          | ID          | 2/2            | Must use     |
| <b>Description:</b> Code identifying a group of application related transaction sets  |           |   |            |             |                |              |
| <b>Code List Summary</b> (Total Codes: 240, Included: 1)  |           |   |            |             |                |              |
| <b>Code Name</b>  |           |   |            |             |                |              |
| SO Ocean Shipment Information (304, 306, 309, 311, 317, 319, 321, 322, 323, 324, 325, 350, 352, 353, 354, 355, 356, 357, 358, 361)  |           |   |            |             |                |              |
| GS02  | 142       | <b>Application Sender's Code</b>                    | M          | AN          | 2/15           | Must use     |
| <b>Description:</b> Code identifying party sending transmission; codes agreed to by trading partners  |           |   |            |             |                |              |
| <b>User Note 1:</b>   |           |   |            |             |                |              |
| <i>PROD: RBTWTMC</i>  |           |   |            |             |                |              |
| <i>TEST: RBTWTMCTEST</i>  |           |   |            |             |                |              |
| GS03  | 124       | <b>Application Receiver's Code</b>                  | M          | AN          | 2/15           | Must use     |
| <b>Description:</b> Code identifying party receiving transmission; codes agreed to by trading partners  |           |   |            |             |                |              |
| GS04  | 373       | <b>Date</b>   | M          | DT          | 8/8            | Must use     |
| <b>Description:</b> Date expressed as CCYYMMDD  |           |   |            |             |                |              |
| GS05  | 337       | <b>Time</b>   | M          | TM          | 4/8            | Must use     |
| <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) |           |   |            |             |                |              |
| GS06  | 28        | <b>Group Control Number</b>                         | M          | N0          | 1/9            | Must use     |
| <b>Description:</b> Assigned number originated and maintained by the sender   |           |   |            |             |                |              |
| GS07  | 455       | <b>Responsible Agency Code</b>                      | M          | ID          | 1/2            | Must use     |
| <b>Description:</b> Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480   |           |   |            |             |                |              |
| <b>Code List Summary</b> (Total Codes: 2, Included: 1)  |           |   |            |             |                |              |
| <b>Code Name</b>  |           |   |            |             |                |              |
| X Accredited Standards Committee X12  |           |   |            |             |                |              |
| GS08  | 480       | <b>Version / Release / Industry Identifier Code</b> | M          | AN          | 1/12           | Must use     |
| <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                           |           |   |            |             |                |              |

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>   | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
|            |           | release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed |            |             |                |              |

**Code List 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.

# ST Transaction Set Header

|                     |             |
|---------------------|-------------|
| Pos: 010            | Max: 1      |
| Heading - Mandatory |             |
| Loop: N/A           | Elements: 2 |

**User Option (Usage):** Must use

**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       | <b>Transaction Set Identifier Code</b> | M          | ID          | 3/3            | Must use     |
| <b>Description:</b> Code uniquely identifying a Transaction Set   |           |  |            |             |                |              |
| <b>All valid standard codes are used. (Total Codes: 298)</b>  |           |  |            |             |                |              |
| ST02  | 329       | <b>Transaction Set Control Number</b>  | M          | AN          | 4/9            | Must use     |
| <b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set |           |  |            |             |                |              |

## Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

# B2 Beginning Segment for Shipment Information Transaction

|                     |             |
|---------------------|-------------|
| Pos: 020            | Max: 1      |
| Heading - Mandatory |             |
| Loop: N/A           | Elements: 7 |

**User Option (Usage):** Must use

**Purpose:** To transmit basic data relating to shipment 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> |
|------------|-----------|---------------------|------------|-------------|----------------|--------------|
| B201       | 375       | Tariff Service Code | O          | ID          | 2/2            | Used         |

**Description:** Code specifying the types of services for rating purposes

**Code List Summary** (Total Codes: 79, Included: 16)

### Code Name

BB Origin CFS-to-Destination CFS  
 BD Destination CFS-to-Destination Door  
 BP Origin CFS-to-Destination Port  
 DB Origin Door-to-Origin CFS  
 DD Door-to-Door  
 DO Origin Door-to-Destination CFS  
 DP Door-to-Port

#### **User Note 1:**

*When V109 = "A", refers to destination airport*

DR Door-to-Rail  
 OD Origin CFS-to-Destination Door  
 PB Origin Port-to-Destination CFS  
 PD Port-to-Door

#### **User Note 1:**

*When V109 = "A", refers to origin airport*

PP Port-to-Port

#### **User Note 1:**

*When V109 = "A", refers to origin airport and destination airport*

PR Port-to-Rail

#### **User Note 1:**

*When V109 = "A", refers to origin airport*

RD Rail-to-Door

RP Rail-to-Port

#### **User Note 1:**

*When V109 = "A", refers to destination airport*

RR Rail-to-Rail

|      |     |                             |   |    |     |      |
|------|-----|-----------------------------|---|----|-----|------|
| B202 | 140 | Standard Carrier Alpha Code | O | ID | 2/4 | Used |
|------|-----|-----------------------------|---|----|-----|------|

**Description:** Standard Carrier Alpha Code

**User Note 1:** See header-level N903 (SCA) for usage requirements

|      |     |                                |   |    |      |      |
|------|-----|--------------------------------|---|----|------|------|
| B204 | 145 | Shipment Identification Number | O | AN | 1/30 | Used |
|------|-----|--------------------------------|---|----|------|------|

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>   | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
|            |           | <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) |            |             |                |              |
| B206       | 146       | <b>Shipment Method of Payment</b>   | M          | ID          | 2/2            | Must use     |
|            |           | <b>Description:</b> Code identifying payment terms for transportation charges   |            |             |                |              |
|            |           | <b>Code List Summary</b> (Total Codes: 28, Included: 4)   |            |             |                |              |
|            |           | <b>Code Name</b>  |            |             |                |              |
|            |           | CC Collect  |            |             |                |              |
|            |           | PC Prepaid but Charged to Customer  |            |             |                |              |
|            |           | PP Prepaid (by Seller)  |            |             |                |              |
|            |           | TP Third Party Pay  |            |             |                |              |
| B207       | 147       | <b>Shipment Qualifier</b>   | O          | ID          | 1/1            | Used         |
|            |           | <b>Description:</b> Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time   |            |             |                |              |
|            |           | <b>All valid standard codes are used. (Total Codes: 35)</b>   |            |             |                |              |
| B208       | 86        | <b>Total Equipment</b>  | O          | N0          | 1/3            | Used         |
|            |           | <b>Description:</b> Total pieces of equipment   |            |             |                |              |
| B211       | 335       | <b>Transportation Terms Code</b>  | O          | ID          | 3/3            | Used         |
|            |           | <b>Description:</b> Code identifying the trade terms which apply to the shipment transportation responsibility  |            |             |                |              |
|            |           | <b>Code List Summary</b> (Total Codes: 25, Included: 11)  |            |             |                |              |
|            |           | <b>Code Name</b>  |            |             |                |              |
|            |           | CFR Cost and Freight  |            |             |                |              |
|            |           | CIF Cost, Insurance, and Freight  |            |             |                |              |
|            |           | CIP Carriage and Insurance Paid To  |            |             |                |              |
|            |           | CPT Carriage Paid To  |            |             |                |              |
|            |           | DAP Delivered at Place  |            |             |                |              |
|            |           | DAT Delivered at Terminal   |            |             |                |              |
|            |           | DDP Delivered Duty Paid   |            |             |                |              |
|            |           | EXW Ex Works  |            |             |                |              |
|            |           | FAS Free Alongside Ship   |            |             |                |              |
|            |           | FCA Free Carrier  |            |             |                |              |
|            |           | FOB Free on Board   |            |             |                |              |

### Semantics:

1. B202 contains the Standard Carrier Alpha Code (SCAC) of the carrier that will receive the bill of lading.
2. If B211 is used, B206 will indicate the party or parties responsible for payment of the transportation terms identified in B211.

# B2A Set Purpose

|                    |             |
|--------------------|-------------|
| Pos: 030           | Max: 1      |
| Heading - Optional |             |
| Loop: N/A          | Elements: 1 |

**User Option (Usage):** Used

**Purpose:** To allow for positive identification of transaction set purpose

## 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> |
|------------|-----------|------------------------------|------------|-------------|----------------|--------------|
| B2A01      | 353       | Transaction Set Purpose Code | M          | ID          | 2/2            | Must use     |

**Description:** Code identifying purpose of transaction set

**Code List Summary** (Total Codes: 65, Included: 4)

### Code Name

00 Original

#### **User Note 1:**

*The initial 304 may contain a value of "05" (Replace) rather than "00" (Original).*

01 Cancellation

05 Replace

20 Final Transmission

# G1 Shipment Type Information

|                    |             |
|--------------------|-------------|
| Pos: 050           | Max: 1      |
| Heading - Optional |             |
| Loop: N/A          | Elements: 1 |

**User Option (Usage):** Used

**Purpose:** To specify the General Commodity (GC) code and any required special indicators for the shipment

## 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> |
|------------|-----------|---------------------|------------|-------------|----------------|--------------|
| G101       | 311       | Shipment Type Code  | M          | ID          | 1/2            | Must use     |

**Description:** Code identifying shipment type

**Code List Summary** (Total Codes: 5, Included: 2)

**Code Name**

|    |                   |
|----|-------------------|
| CS | Customer Shipment |
| ST | Stock Transfer    |

# N9 Reference Identification

|                    |             |
|--------------------|-------------|
| Pos: 080           | Max: 200    |
| Heading - Optional |             |
| Loop: N/A          | Elements: 3 |

**User Option (Usage):** Used

**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier

## 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> |
|------------|-----------|------------------------------------|------------|-------------|----------------|--------------|
| N901       | 128       | Reference Identification Qualifier | M          | ID          | 2/3            | Must use     |

**Description:** Code qualifying the Reference Identification

**Code List Summary** (Total Codes: 1503, Included: 68)

### Code Name

|    |  |
|----|--|
| 06 | System Number  |
| 11 | Account Number   |
| 19 | Division Identifier  |
| 1O | Consolidation Shipment Number  |
|    | <b>Description:</b> <i>Qualifies a single number that is a key to a group of individual shipment numbers</i>   |
| 1Z | Financial Detail Code  |
| 23 | Client Number  |
| 2P | Subdivision Identifier   |
| 3Q | Food and Drug Administration (FDA) Product Code  |
| 4D | Shipping Zone  |
| 4H | Commercial Invoice Number  |
| 4M | Special Move Reference Number  |
|    | <b>User Note 1:</b><br><i>N902 indicates "Air-house" (AH) or "Air-direct" (AD)</i>   |
| 4N | Special Payment Reference Number   |
| 4Y | Subhouse Bill of Lading  |
| 5W | Original Uniform Commercial Code Filing Number   |
| 6A | Consignee Reference Number   |
| 79 | Cost Account   |
|    | <b>Description:</b> <i>A management control point for cost and schedule planning and control; it represents that work assigned to one responsible organization element and to one work breakdown structure element</i> |
| A6 | Employee Identification Number   |
| AD | Acceptable Source DUNS Number  |
| AF | Airlines Flight Identification Number  |
| AG | Agent's Shipment Number  |
|    | <b>User Note 1:</b><br><i>TMC Load #</i>   |
| AO | Appointment Number   |
| AW | Air Waybill Number   |
| BM | Bill of Lading Number  |
| BN | Booking Number   |
| CN | Carrier's Reference Number (PRO/Invoice)   |



| <b>Code</b> | <b>Name</b>  |
|-------------|--|
| CO          | Customer Order Number  |
| CR          | Customer Reference Number  |
| DO          | Delivery Order Number  |
| DP          | Department Number  |
| FN          | Forwarder's/Agent's Reference Number   |
|             | <b>Description:</b> <i>Forwarder's primary shipment ID</i>   |
| GF          | Specialty License Number   |
|             | <b>Description:</b> <i>A unique number assigned to each provider of service by specialty</i>   |
| GZ          | General Ledger Account   |
| IL          | Internal Order Number  |
| IT          | Internal Customer Number   |
| IZ          | Insured Parcel Post Number   |
|             | <b>Description:</b> <i>Number assigned to control an insured parcel post shipment from shipper to consignee</i>  |
| JB          | Job (Project) Number   |
| MB          | Master Bill of Lading  |
| NB          | Letter of Credit Number  |
| NP          | Partial Payment Number   |
|             | <b>User Note 1:</b>  |
|             | <i>TMC Internal Use</i>  |
| OQ          | Order Number   |
|             | <b>Description:</b> <i>Qualifies a code that identifies the authorizing documentation for a household goods</i>  |
| OW          | Service Order Number   |
|             | <b>Description:</b> <i>Number assigned when a customer orders service and equipment and which appears on bill</i>  |
| P8          | Pickup Reference Number  |
| PE          | Plant Number   |
| PH          | Priority Rating  |
|             | <b>User Note 1:</b>  |
|             | <i>Indicated 'Air' service level (examples: Standard, Expedited, 2-day)</i>  |
| PM          | Part Number  |
| PN          | Permit Number  |
| PO          | Purchase Order Number  |
| RF          | Export Reference Number  |
| RU          | Route code   |
| RZ          | Returned Goods Authorization Number  |
| S4          | Shippers Bond Number   |
|             | <b>Description:</b> <i>Number differentiating between shipper's bond movements by intermodal shippers and ocean carriers and in-bond movements which default to the carrier's bond</i> |
| S6          | Stock Number   |
| SI          | Shipper's Identifying Number for Shipment (SID)  |
|             | <b>Description:</b> <i>A unique number (to the shipper) assigned by the shipper to identify the shipment</i>   |
| SN          | Seal Number  |
| SO          | Shipper's Order (Invoice Number)   |

| <b>Code</b> | <b>Name</b>                              |
|-------------|--|
| TJ          | Federal Taxpayer's Identification Number |
| V3          | Voyage Number                            |
| VN          | Vendor Order Number                      |
| VR          | Vendor ID Number                         |
| WH          | Master Reference (Link) Number           |
| WU          | Vessel                                   |
| WY          | Waybill Number                           |
| YD          | Buyer Identification                     |
| ZZ          | Mutually Defined                         |
| AAS         | Distributor Assigned Order Number        |
| BAF         | Receipt Number                           |
| SCA         | Standard Carrier Alpha Code (SCAC)       |

**User Note 1:**

*N903 indicates usage of carrier:*

*RECOMMENDED = the recommended carrier for this shipment*

*REQUIRED = the required carrier for this shipment*

STB Standard Transportation Commodity Code (STCC) Bridge Number

|      |     |                                 |   |    |      |      |
|------|-----|---------------------------------|---|----|------|------|
| N902 | 127 | <b>Reference Identification</b> | X | AN | 1/80 | Used |
|------|-----|---------------------------------|---|----|------|------|

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

|      |     |                              |   |    |      |      |
|------|-----|------------------------------|---|----|------|------|
| N903 | 369 | <b>Free-form Description</b> | X | AN | 1/45 | Used |
|------|-----|------------------------------|---|----|------|------|

**Description:** Free-form descriptive text

**Syntax Rules:**

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

**Semantics:**

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

# V1 Vessel Identification

|                    |             |
|--------------------|-------------|
| Pos: 090           | Max: 2      |
| Heading - Optional |             |
| Loop: N/A          | Elements: 4 |

**User Option (Usage):** Used

**Purpose:** To provide vessel details and voyage 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> |
|------------|-----------|---|---------------|-------------|----------------|--------------|
| V101       | 597       | <b>Vessel Code</b>  | X             | ID          | 1/8            | Used         |
|            |           | <b>Description:</b> Code identifying vessel - IMO number  |               |             |                |              |
| V102       | 182       | <b>Vessel Name</b>  | X             | AN          | 2/28           | Used         |
|            |           | <b>Description:</b> Name of ship as documented in "Lloyd's Register of Ships"                             |               |             |                |              |
| V104       | 55        | <b>Flight/Voyage Number</b>   | O             | AN          | 2/10           | Used         |
|            |           | <b>Description:</b> Identifying designator for the particular flight or voyage on which the cargo travels |               |             |                |              |
| V109       | 91        | <b>Transportation Method/Type Code</b>  | O             | ID          | 1/2            | Used         |
|            |           | <b>Description:</b> Code specifying the method or type of transportation for the shipment                 |               |             |                |              |
|            |           | <b>Code List Summary</b> (Total Codes: 71, Included: 2)   |               |             |                |              |
|            |           | <u>Code</u>   | <u>Name</u>   |             |                |              |
|            |           | A   | Air           |             |                |              |
|            |           | VE  | Vessel, Ocean |             |                |              |

## Syntax Rules:

1. R0102 - At least one of V101 or V102 is required.
2. C0801 - If V108 is present, then V101 is required.

## Semantics:

1. V103 is the code identifying the country in which the ship (vessel) is registered.
2. V105 identifies the ocean carrier.

# CUR Currency

|                    |             |
|--------------------|-------------|
| Pos: 115           | Max: 1      |
| Heading - Optional |             |
| Loop: N/A          | Elements: 2 |

**User Option (Usage):** Used

**Purpose:** To specify the currency (dollars, pounds, francs, etc.) used in a transaction

## 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> |
|------------|-----------|------------------------|------------|-------------|----------------|--------------|
| CUR01      | 98        | Entity Identifier Code | M          | ID          | 2/3            | Must use     |

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

**Code List Summary** (Total Codes: 1312, Included: 1)

**Code Name**

ZZ Mutually Defined

|       |     |               |   |    |     |          |
|-------|-----|---------------|---|----|-----|----------|
| CUR02 | 100 | Currency Code | M | ID | 3/3 | Must use |
|-------|-----|---------------|---|----|-----|----------|

**Description:** Code (Standard ISO) for country in whose currency the charges are specified

## Syntax Rules:

1. C0807 - If CUR08 is present, then CUR07 is required.
2. C0907 - If CUR09 is present, then CUR07 is required.
3. L101112 - If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4. C1110 - If CUR11 is present, then CUR10 is required.
5. C1210 - If CUR12 is present, then CUR10 is required.
6. L131415 - If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7. C1413 - If CUR14 is present, then CUR13 is required.
8. C1513 - If CUR15 is present, then CUR13 is required.
9. L161718 - If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10. C1716 - If CUR17 is present, then CUR16 is required.
11. C1816 - If CUR18 is present, then CUR16 is required.
12. L192021 - If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13. C2019 - If CUR20 is present, then CUR19 is required.
14. C2119 - If CUR21 is present, then CUR19 is required.

# M2 Sales/Delivery Terms

|                    |             |
|--------------------|-------------|
| Pos: 130           | Max: 1      |
| Heading - Optional |             |
| Loop: N/A          | Elements: 4 |

**User Option (Usage):** Used

**Purpose:** To state terms and dates

## 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> |
|------------|-----------|-------------------------|------------|-------------|----------------|--------------|
| M201       | 139       | <b>Sales Terms Code</b> | M          | ID          | 2/2            | Must use     |

**Description:** Code identifying terms of sale

**Code List Summary** (Total Codes: 13, Included: 1)

**Code Name**

ZZ Mutually Defined

|      |     |                                  |   |    |     |      |
|------|-----|----------------------------------|---|----|-----|------|
| M204 | 335 | <b>Transportation Terms Code</b> | O | ID | 3/3 | Used |
|------|-----|----------------------------------|---|----|-----|------|

**Description:** Code identifying the trade terms which apply to the shipment transportation responsibility

**Code List Summary** (Total Codes: 27, Included: 11)

**Code Name**

CFR Cost and Freight  
 CIF Cost, Insurance, and Freight  
 CIP Carriage and Insurance Paid To  
 CPT Carriage Paid To  
 DAP Delivery at Place  
 DAT Delivery at Terminal  
 DDP Delivered Duty Paid  
 EXW Ex Works  
 FAS Free Alongside Ship  
 FCA Free Carrier  
 FOB Free on Board

|      |     |                           |   |    |     |      |
|------|-----|---------------------------|---|----|-----|------|
| M207 | 309 | <b>Location Qualifier</b> | X | ID | 1/2 | Used |
|------|-----|---------------------------|---|----|-----|------|

**Description:** Code identifying type of location

**Code List Summary** (Total Codes: 172, Included: 2)

**Code Name**

DL Delivery Location  
 ZZ Mutually Defined

|      |     |                            |   |    |      |      |
|------|-----|----------------------------|---|----|------|------|
| M208 | 310 | <b>Location Identifier</b> | X | AN | 1/30 | Used |
|------|-----|----------------------------|---|----|------|------|

**Description:** Code which identifies a specific location

**User Note 1:** *INCOTerms Named Location*

## Syntax Rules:

1. P0708 - If either M207 or M208 is present, then the other is required.

## Semantics:

1. M207 and M208 indicate the location where the transportation terms are ended.

# ITD Terms of Sale/Deferred Terms of Sale

|                    |             |
|--------------------|-------------|
| Pos: 155           | Max: 1      |
| Heading - Optional |             |
| Loop: N/A          | Elements: 2 |

**User Option (Usage):** Used

**Purpose:** To specify terms of sale

## 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> |
|------------|-----------|---------------------|------------|-------------|----------------|--------------|
| ITD07      | 386       | Terms Net Days      | O          | N0          | 1/3            | Used         |

**Description:** Number of days until total invoice amount is due (discount not applicable)

|       |     |             |   |    |      |      |
|-------|-----|-------------|---|----|------|------|
| ITD12 | 352 | Description | O | AN | 1/80 | Used |
|-------|-----|-------------|---|----|------|------|

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

## Syntax Rules:

1. L03040513 - If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
2. L08040513 - If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.
3. L091011 - If ITD09 is present, then at least one of ITD10 or ITD11 is required.

## Semantics:

1. ITD15 is the percentage applied to a base amount used to determine a late payment charge.

# DTM Date/Time Reference

|                    |             |
|--------------------|-------------|
| Pos: 156           | Max: 20     |
| Heading - Optional |             |
| Loop: N/A          | Elements: 4 |

**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> |
|------------|-----------|----------------------------|------------|-------------|----------------|--------------|
| DTM01      | 374       | <b>Date/Time Qualifier</b> | M          | ID          | 3/3            | Must use     |

**Description:** Code specifying type of date or time, or both date and time

**Code List Summary** (Total Codes: 1112, Included: 3)

**Code Name**

002 Delivery Requested

010 Requested Ship

018 Available

|       |     |             |   |    |     |      |
|-------|-----|-------------|---|----|-----|------|
| DTM02 | 373 | <b>Date</b> | X | DT | 8/8 | Used |
|-------|-----|-------------|---|----|-----|------|

**Description:** Date expressed as CCYYMMDD

|       |     |             |   |    |     |      |
|-------|-----|-------------|---|----|-----|------|
| DTM03 | 337 | <b>Time</b> | X | TM | 4/8 | Used |
|-------|-----|-------------|---|----|-----|------|

**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)

|       |     |                  |   |    |     |      |
|-------|-----|------------------|---|----|-----|------|
| DTM04 | 623 | <b>Time Code</b> | O | ID | 2/2 | Used |
|-------|-----|------------------|---|----|-----|------|

**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

**Code List Summary** (Total Codes: 51, Included: 1)

**Code Name**

LT Local Time

## Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.



# N1 Name

|                    |             |
|--------------------|-------------|
| Pos: 160           | Max: 1      |
| Heading - Optional |             |
| Loop: N1           | 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        | <b>Entity Identifier Code</b> | M          | ID          | 2/3            | Must use     |

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

**Code List Summary** (Total Codes: 1312, Included: 13)

### Code Name

16 Plant  
BT Bill-to-Party  
CN Consignee

#### **User Note 1:**

*Party which 1st takes delivery of freight*

EX Exporter  
N1 Notify Party no. 1  
N2 Notify Party no. 2  
SD Sold To and Ship To  
SF Ship From

#### **User Note 1:**

*True Origin*

ST Ship To

#### **User Note 1:**

*True Destination*

SU Supplier/Manufacturer  
UC Ultimate Consignee

#### **User Note 1:**

*Party which takes final delivery of freight*

DA Delivery Address

#### **User Note 1:**

*Port/terminal address to which containers should be delivered*

PW Pick Up Address

#### **User Note 1:**

*Location where empty containers are picked-up by in-land dray carrier*

|      |    |             |   |    |      |      |
|------|----|-------------|---|----|------|------|
| N102 | 93 | <b>Name</b> | X | AN | 1/60 | Used |
|------|----|-------------|---|----|------|------|

**Description:** Free-form name

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

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

**Code List Summary** (Total Codes: 215, Included: 1)

**Code Name**

93 Code assigned by the organization originating the transaction set

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

**Description:** Code identifying a party or other code**Syntax Rules:**

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

## N2 Additional Name Information

|                    |             |
|--------------------|-------------|
| Pos: 170           | Max: 2      |
| Heading - Optional |             |
| Loop: N1           | Elements: 2 |

**User Option (Usage):** Used

**Purpose:** To specify additional names or those longer than 35 characters in length

### 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> |
|------------|-----------|------------------------------------|------------|-------------|----------------|--------------|
| N201       | 93        | <b>Name</b>                        | M          | AN          | 1/60           | Must use     |
|            |           | <b>Description:</b> Free-form name |            |             |                |              |
| N202       | 93        | <b>Name</b>                        | O          | AN          | 1/60           | Used         |
|            |           | <b>Description:</b> Free-form name |            |             |                |              |

# N3 Address Information

|                    |             |
|--------------------|-------------|
| Pos: 180           | Max: 2      |
| Heading - Optional |             |
| Loop: N1           | 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       | <b>Address Information</b>              | M          | AN          | 1/55           | Must use     |
|            |           | <b>Description:</b> Address information |            |             |                |              |
| N302       | 166       | <b>Address Information</b>              | O          | AN          | 1/55           | Used         |
|            |           | <b>Description:</b> Address information |            |             |                |              |

# N4 Geographic Location

|                    |             |
|--------------------|-------------|
| Pos: 190           | Max: 1      |
| Heading - Optional |             |
| Loop: N1           | Elements: 4 |

**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        | <b>City Name</b>   | O          | AN          | 2/30           | Used         |
|            |           | <b>Description:</b> Free-form text for city name   |            |             |                |              |
| N402       | 156       | <b>State or Province Code</b>  | O          | ID          | 1/2            | Used         |
|            |           | <b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency                                 |            |             |                |              |
| N403       | 116       | <b>Postal Code</b>   | O          | ID          | 1/15           | Used         |
|            |           | <b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States) |            |             |                |              |
| N404       | 26        | <b>Country Code</b>  | O          | ID          | 2/3            | Used         |
|            |           | <b>Description:</b> Code identifying the country   |            |             |                |              |

## Syntax Rules:

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

# G61 Contact

|                    |             |
|--------------------|-------------|
| Pos: 195           | Max: 3      |
| Heading - Optional |             |
| Loop: N1           | Elements: 5 |

**User Option (Usage):** Used

**Purpose:** To identify a person or office to whom communications should be directed

## 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> |
|------------|-----------|------------------------------|------------|-------------|----------------|--------------|
| G6101      | 366       | <b>Contact Function Code</b> | M          | ID          | 2/2            | Must use     |

**Description:** Code identifying the major duty or responsibility of the person or group named

**Code List Summary** (Total Codes: 230, Included: 1)

**Code Name**

ZZ Mutually Defined

|       |    |             |   |    |      |          |
|-------|----|-------------|---|----|------|----------|
| G6102 | 93 | <b>Name</b> | M | AN | 1/60 | Must use |
|-------|----|-------------|---|----|------|----------|

**Description:** Free-form name

|       |     |                                       |   |    |     |      |
|-------|-----|---------------------------------------|---|----|-----|------|
| G6103 | 365 | <b>Communication Number Qualifier</b> | X | ID | 2/2 | Used |
|-------|-----|---------------------------------------|---|----|-----|------|

**Description:** Code identifying the type of communication number

**Code List Summary** (Total Codes: 40, Included: 3)

**Code Name**

EM Electronic Mail

FX Facsimile

TE Telephone

|       |     |                             |   |    |      |      |
|-------|-----|-----------------------------|---|----|------|------|
| G6104 | 364 | <b>Communication Number</b> | X | AN | 1/80 | Used |
|-------|-----|-----------------------------|---|----|------|------|

**Description:** Complete communications number including country or area code when applicable

|       |     |                                  |   |    |      |      |
|-------|-----|----------------------------------|---|----|------|------|
| G6105 | 443 | <b>Contact Inquiry Reference</b> | O | AN | 1/20 | Used |
|-------|-----|----------------------------------|---|----|------|------|

**Description:** Additional reference number or description to clarify a contact number

## Syntax Rules:

1. P0304 - If either G6103 or G6104 is present, then the other is required.

# R4 Port or Terminal

|                    |             |
|--------------------|-------------|
| Pos: 200           | Max: 1      |
| Heading - Optional |             |
| Loop: R4           | Elements: 8 |

**User Option (Usage):** Used

**Purpose:** Contractual or operational port or point relevant to the movement of the cargo

## 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> |
|------------|-----------|---------------------------------------|------------|-------------|----------------|--------------|
| R401       | 115       | <b>Port or Terminal Function Code</b> | M          | ID          | 1/1            | Must use     |

**Description:** Code defining function performed at the port or terminal with respect to a shipment

**Code List Summary** (Total Codes: 30, Included: 4)

### Code Name

D Port of Discharge

#### **User Note 1:**

*When V109 = "A", this refers to destination airport*

E Place of Delivery

L Port of Loading

#### **User Note 1:**

*When V109 = "A", this refers to origin airport*

R Place of Receipt

|      |     |                           |   |    |     |      |
|------|-----|---------------------------|---|----|-----|------|
| R402 | 309 | <b>Location Qualifier</b> | X | ID | 1/2 | Used |
|------|-----|---------------------------|---|----|-----|------|

**Description:** Code identifying type of location

**Code List Summary** (Total Codes: 172, Included: 3)

### Code Name

CI City

IA International Air Transport Association (IATA) Location Qualifier

UN United Nations Location Code (UNLOCODE)

|      |     |                            |   |    |      |      |
|------|-----|----------------------------|---|----|------|------|
| R403 | 310 | <b>Location Identifier</b> | X | AN | 1/30 | Used |
|------|-----|----------------------------|---|----|------|------|

**Description:** Code which identifies a specific location

|      |     |                  |   |    |      |      |
|------|-----|------------------|---|----|------|------|
| R404 | 114 | <b>Port Name</b> | O | AN | 2/24 | Used |
|------|-----|------------------|---|----|------|------|

**Description:** Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property

|      |    |                     |   |    |     |      |
|------|----|---------------------|---|----|-----|------|
| R405 | 26 | <b>Country Code</b> | O | ID | 2/3 | Used |
|------|----|---------------------|---|----|-----|------|

**Description:** Code identifying the country

|      |     |                      |   |    |      |      |
|------|-----|----------------------|---|----|------|------|
| R406 | 174 | <b>Terminal Name</b> | O | AN | 2/30 | Used |
|------|-----|----------------------|---|----|------|------|

**Description:** Free-form field for terminal name

|      |     |                    |   |    |     |      |
|------|-----|--------------------|---|----|-----|------|
| R407 | 113 | <b>Pier Number</b> | O | AN | 1/4 | Used |
|------|-----|--------------------|---|----|-----|------|

**Description:** Identifying number for the pier

|      |     |                               |   |    |     |      |
|------|-----|-------------------------------|---|----|-----|------|
| R408 | 156 | <b>State or Province Code</b> | O | ID | 1/2 | Used |
|------|-----|-------------------------------|---|----|-----|------|

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

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---------------------|------------|-------------|----------------|--------------|
|            |           | agency              |            |             |                |              |

**Syntax Rules:**

1. P0203 - If either R402 or R403 is present, then the other is required.



# DTM Date/Time Reference

|                    |             |
|--------------------|-------------|
| Pos: 210           | Max: 15     |
| Heading - Optional |             |
| Loop: R4           | 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> |
|------------|-----------|---------------------|------------|-------------|----------------|--------------|
| DTM01      | 374       | Date/Time Qualifier | M          | ID          | 3/3            | Must use     |

**Description:** Code specifying type of date or time, or both date and time

**Code List Summary** (Total Codes: 1112, Included: 2)

**Code Name**

369 Estimated Departure Date

371 Estimated Arrival Date

|       |     |      |   |    |     |      |
|-------|-----|------|---|----|-----|------|
| DTM02 | 373 | Date | X | DT | 8/8 | Used |
|-------|-----|------|---|----|-----|------|

**Description:** Date expressed as CCYYMMDD

## Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

# K1 Remarks

|                    |             |
|--------------------|-------------|
| Pos: 230           | Max: 12     |
| Heading - Optional |             |
| Loop: N/A          | Elements: 2 |

**User Option (Usage):** Used

**Purpose:** To transmit information in a free-form format for comment or special instruction

## 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> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| K101       | 61        | <b>Free-Form Message</b>                  | M          | AN          | 1/30           | Must use     |
|            |           | <b>Description:</b> Free-form information |            |             |                |              |
| K102       | 61        | <b>Free-Form Message</b>                  | O          | AN          | 1/30           | Used         |
|            |           | <b>Description:</b> Free-form information |            |             |                |              |

# L11 Business Instructions and Reference Number

|                    |             |
|--------------------|-------------|
| Pos: 240           | Max: 99     |
| Heading - Optional |             |
| Loop: N/A          | Elements: 3 |

**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           | Used         |

**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 | Used |
|-------|-----|------------------------------------|---|----|-----|------|

**Description:** Code qualifying the Reference Identification

**Code List Summary** (Total Codes: 1503, Included: 1)

Code Name

ZZ Mutually Defined

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

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

## Syntax Rules:

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

# LX Assigned Number

|                   |             |
|-------------------|-------------|
| Pos: 010          | Max: 1      |
| Detail - Optional |             |
| Loop: LX          | Elements: 1 |

**User Option (Usage):** Used

**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

# N7 Equipment Details

|                   |              |
|-------------------|--------------|
| Pos: 030          | Max: 1       |
| Detail - Optional |              |
| Loop: N7          | Elements: 12 |

**User Option (Usage):** Used

**Purpose:** To identify the 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> |
|------------|-----------|---|----------------------------------|-------------|----------------|--------------|
| N701       | 206       | <b>Equipment Initial</b>  | O                                | AN          | 1/4            | Used         |
|            |           | <b>Description:</b> Prefix or alphabetic part of an equipment unit's identifying number   |                                  |             |                |              |
| N702       | 207       | <b>Equipment Number</b>   | M                                | AN          | 1/10           | Must use     |
|            |           | <b>Description:</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) |                                  |             |                |              |
|            |           | <b>User Note 1:</b> <i>If container number is not available, a placeholder value will be sent</i>   |                                  |             |                |              |
| N703       | 81        | <b>Weight</b>   | X                                | R           | 1/10           | Used         |
|            |           | <b>Description:</b> Numeric value of weight   |                                  |             |                |              |
| N704       | 187       | <b>Weight Qualifier</b>   | X                                | ID          | 1/2            | Used         |
|            |           | <b>Description:</b> Code defining the type of weight  |                                  |             |                |              |
|            |           | <b>Code List Summary</b> (Total Codes: 51, Included: 2)   |                                  |             |                |              |
|            |           | <b><u>Code</u></b>  | <b><u>Name</u></b>               |             |                |              |
|            |           | G   | Gross Weight                     |             |                |              |
|            |           | N   | Actual Net Weight                |             |                |              |
| N708       | 183       | <b>Volume</b>   | X                                | R           | 1/8            | Used         |
|            |           | <b>Description:</b> Value of volumetric measure   |                                  |             |                |              |
| N709       | 184       | <b>Volume Unit Qualifier</b>  | X                                | ID          | 1/1            | Used         |
|            |           | <b>Description:</b> Code identifying the volume unit  |                                  |             |                |              |
|            |           | <b>Code List Summary</b> (Total Codes: 16, Included: 2)   |                                  |             |                |              |
|            |           | <b><u>Code</u></b>  | <b><u>Name</u></b>               |             |                |              |
|            |           | E   | Cubic Feet                       |             |                |              |
|            |           | X   | Cubic Meters                     |             |                |              |
| N711       | 40        | <b>Equipment Description Code</b>   | O                                | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code identifying type of equipment used for shipment  |                                  |             |                |              |
|            |           | <b>Code List Summary</b> (Total Codes: 136, Included: 136)  |                                  |             |                |              |
|            |           | <b><u>Code</u></b>  | <b><u>Name</u></b>               |             |                |              |
|            |           | 20  | 20 ft. IL Container (Open Top)   |             |                |              |
|            |           | 2B  | 20 ft. IL Container (Closed Top) |             |                |              |
|            |           | 2D  | Control Unit                     |             |                |              |
|            |           | 2E  | Helper Unit                      |             |                |              |
|            |           | 2F  | Roadrailer                       |             |                |              |
|            |           | 2G  | Cut-in Helper                    |             |                |              |
|            |           | 40  | 40 ft. IL Container (Open Top)   |             |                |              |

| <b>Code</b> | <b>Name</b>   |
|-------------|---|
| 4B          | 40 ft. IL Container (Closed Top)  |
| AC          | Closed Container  |
| AF          | Air Freight (Break Bulk)  |
| AL          | Container, Aluminum   |
|             | <b>Description:</b> <i>Container must be made of aluminum</i>   |
| AP          | Aircraft  |
| AT          | Closed Container (Controlled Temperature)   |
| BC          | Covered Barge   |
| BE          | Bilevel Railcar Fully Open  |
| BF          | Bilevel Railcar Fully Enclosed  |
| BG          | Bogie   |
| BH          | Bilevel Railcar Screened With Roof  |
| BJ          | Bilevel Railcar Screened, No Roof   |
| BK          | Container, Bulk   |
| BO          | Barge Open  |
| BR          | Barge   |
| BX          | Boxcar  |
| CA          | Caboose   |
| CB          | Chassis, Gooseneck  |
| CC          | Container resting on a Chassis  |
| CD          | Container with Bag Hangers  |
|             | <b>Description:</b> <i>Rings or bars located in upper part of container walls to suspend bulk bags within the ocean container</i> |
| CG          | Container, Tank (Gas)   |
| CH          | Chassis   |
| CI          | Container, Insulated  |
| CJ          | Container, Insulated/Ventilated   |
| CK          | Container, Heated/Insulated/Ventilated  |
| CL          | Container (Closed Top - Length Unspecified)   |
| CM          | Container, Open-Sided   |
| CN          | Container   |
| CP          | Coil Car Open   |
| CQ          | Container, Tank (Food Grade-Liquid)   |
| CR          | Coil-Car Covered  |
| CS          | Container-Low Side Open Top   |
| CT          | Container-High Side Open Top  |
| CU          | Container (Open Top - Length Unspecified)   |
| CV          | Closed Van  |
| CW          | Container, Tank (Chemicals)   |
| CX          | Container, Tank   |
| CZ          | Refrigerated Container  |
| DD          | Double-Drop Trailer   |
|             | <b>Description:</b> <i>A flatbed with two drop decks</i>  |
| DF          | Container with Flush Doors  |
|             | <b>Description:</b> <i>Container doors must be flush with the inside walls of the ocean-type containers</i>                       |

| <b>Code</b> | <b>Name</b>   |
|-------------|---|
| DT          | Drop Back Trailer   |
| DX          | Boxcar, Damage Free Equipped  |
| ET          | End of Train Device   |
| FF          | Frozen Food Trailer   |
| FH          | Flat Bed Trailer with Headboards  |
| FN          | Flat Bed Trailer with No Headboards   |
| FP          | Flatcar with Pedestal   |
| FR          | Flat Bed Trailer - Removable Sides  |
| FS          | Container with Floor Securing Rings   |
|             | <b>Description:</b> <i>Appliances at floor level that can be used to secure cargo</i>   |
| FT          | Flat Bed Trailer  |
| FX          | Boxcar Cushion Under Frame OF   |
| GS          | Generator Set   |
| HB          | Container with Hangar Bars  |
|             | <b>Description:</b> <i>Container must be equipped with hangar beams/bars for garment shipments</i>  |
| HC          | Hopper Car (Covered)  |
| HO          | Hopper Car (Open)   |
| HP          | Hopper Car (Covered; Pneumatic Discharge)   |
| HT          | Head of Train Device  |
| HV          | High Cube Van   |
| HY          | Hydrant-Cart  |
|             | <b>Description:</b> <i>Used at large airports with installed distribution systems to make into-plane deliveries; distinguished from other types of fueling vehicles</i> |
| ID          | Idler Car   |
| IX          | Boxcar (Insulated)  |
| LO          | Locomotive  |
| LS          | Half Height Flat Rack   |
| LU          | Load/unload Device on Equipment   |
| NX          | Boxcar (Interior Bulkheads)   |
| OB          | Ocean Vessel (Break Bulk)   |
| OT          | Open-top/flatbed trailer  |
| OV          | Open Top Van  |
| PH          | High Cube Pallet Wide   |
| PL          | Container, Platform   |
| PP          | Power Pack  |
|             | <b>Description:</b> <i>A container holding a motor, generator, and fuel tank; used to provide power for refrigerated containers on a double stack train</i>             |
| PT          | Protected Trailer   |
| PU          | Pick-up Truck   |
| PW          | Pallet Wide   |
| RA          | Fixed-Rack, Flat-Bed Trailer  |
|             | <b>Description:</b> <i>A flatbed trailer with an A-frame</i>  |
| RC          | Refrigerated (Reefer) Car   |
| RD          | Fixed-Rack, Double Drop Trailer   |
|             | <b>Description:</b> <i>A double-drop, flatbed with an A-frame</i>   |

| <b>Code</b> | <b>Name</b>  |
|-------------|--|
| RE          | Flat Car (End Bulkheads)   |
| RF          | Flat Car   |
| RG          | Gondola Covered  |
| RI          | Gondola Car (Covered - Interior Bulkheads)   |
| RO          | Gondola Car (Open)   |
| RR          | Rail Car   |
| RS          | Fixed-Rack, Single-Drop Trailer<br><b>Description:</b> <i>A single-drop, flatbed with an A-frame</i>   |
| RT          | Controlled Temperature Trailer (Reefer)  |
| SA          | Saddle<br><b>Description:</b> <i>Device to stack containers on a rail car</i>  |
| SC          | Service Car  |
| SD          | Single-Drop Trailer<br><b>Description:</b> <i>A flatbed trailer with one drop deck</i>   |
| SK          | Stack Car  |
| SL          | Container, Steel<br><b>Description:</b> <i>Container must be made of steel</i>   |
| SR          | STAK-RAK<br><b>Description:</b> <i>A device upon which empty chassis may be stacked for movement "en bloc" on a railcar, stack train, trailer, or water-borne vessel</i> |
| SS          | Container with Smooth Sides<br><b>Description:</b> <i>Walls in ocean container must be flat/smooth</i>   |
| ST          | Removable Side Trailer   |
| SV          | Van - Special Inside Length, Width or Height Requirements  |
| TA          | Trailer, Heated/Insulated/Ventilated   |
| TB          | Trailer, Boat  |
| TC          | Trailer, Car   |
| TF          | Trailer, Dry Freight   |
| TG          | Trailer, Tank (Gas)  |
| TH          | Truck, Open Top High Side  |
| TI          | Trailer, Insulated   |
| TJ          | Trailer, Tank (Chemicals)  |
| TK          | Trailer, Tank (Food Grade-Liquid)  |
| TL          | Trailer (not otherwise specified)  |
| TM          | Trailer, Insulated/Ventilated  |
| TN          | Tank Car   |
| TO          | Truck, Open Top  |
| TP          | Trailer, Pneumatic<br><b>Description:</b> <i>A specialized trailer with a pneumatic device for loading or unloading</i>  |
| TQ          | Trailer, Electric Heat<br><b>Description:</b> <i>A trailer with electric heat to keep product from freezing</i>  |
| TR          | Tractor  |
| TT          | Telescoping Trailer  |
| TU          | Truck, Open Top Low Side   |
| TV          | Truck, Van   |
| TW          | Trailer, Refrigerated  |



|      |     | <b>Code</b>                         | <b>Name</b>  |   |    |     |      |
|------|-----|-------------------------------------|--|---|----|-----|------|
|      |     |                                     | <b>Description:</b> <i>A refrigerated trailer capable of keeping product cold. Different from a temperature controlled trailer which is able to keep product at a constant temperature</i> |   |    |     |      |
|      |     | UA                                  | Trilevel Railcar 20 Feet   |   |    |     |      |
|      |     | UB                                  | Trilevel Railcar Screened, Fully Enclosed  |   |    |     |      |
|      |     | UC                                  | Trilevel Railcar Screened, With Roof   |   |    |     |      |
|      |     | UD                                  | Trilevel Railcar Screened, No Roof   |   |    |     |      |
|      |     | UE                                  | Trilevel Railcar Screened, With Doors, No Roof   |   |    |     |      |
|      |     | UL                                  | Unit Load Device (ULD)   |   |    |     |      |
|      |     | UP                                  | Container, Upgraded  |   |    |     |      |
|      |     |                                     | <b>Description:</b> <i>Container must be upgraded for higher weights</i>   |   |    |     |      |
|      |     | VA                                  | Container, Vented  |   |    |     |      |
|      |     |                                     | <b>Description:</b> <i>Dry container must have vent openings for air exchange</i>  |   |    |     |      |
|      |     | VE                                  | Vessel, Ocean  |   |    |     |      |
|      |     | VL                                  | Vessel, Lake   |   |    |     |      |
|      |     | VR                                  | Vessel, Ocean, Rollon-Rolloff  |   |    |     |      |
|      |     | VS                                  | Vessel, Ocean, Lash  |   |    |     |      |
|      |     | VT                                  | Vessel, Ocean, Containership   |   |    |     |      |
|      |     | WR                                  | Container with Wavy or Ripple Sides  |   |    |     |      |
|      |     |                                     | <b>Description:</b> <i>Walls must be wavy or ripple type</i>   |   |    |     |      |
|      |     | WY                                  | Railroad Maintenance of Way Car  |   |    |     |      |
| N712 | 140 | <b>Standard Carrier Alpha Code</b>  |  | O | ID | 2/4 | Used |
|      |     |                                     | <b>Description:</b> Standard Carrier Alpha Code  |   |    |     |      |
| N715 | 567 | <b>Equipment Length</b>             |  | O | N0 | 4/5 | Used |
|      |     |                                     | <b>User Note 1:</b> <i>Possible values:</i>  |   |    |     |      |
|      |     |                                     | <i>2000 (20 foot)</i>  |   |    |     |      |
|      |     |                                     | <i>4000 (40 foot)</i>  |   |    |     |      |
|      |     |                                     | <i>4500 (45 foot)</i>  |   |    |     |      |
| N717 | 188 | <b>Weight Unit Code</b>             |  | O | ID | 1/1 | Used |
|      |     |                                     | <b>Description:</b> Code specifying the weight unit  |   |    |     |      |
|      |     |                                     | <b>Code List Summary</b> (Total Codes: 8, Included: 2)   |   |    |     |      |
|      |     |                                     | <b>Code</b> <b>Name</b>  |   |    |     |      |
|      |     | K                                   | Kilograms  |   |    |     |      |
|      |     | L                                   | Pounds   |   |    |     |      |
| N718 | 761 | <b>Equipment Number Check Digit</b> |  | O | N0 | 1/1 | Used |
|      |     |                                     | <b>Description:</b> Number which designates the check digit applied to a piece of equipment  |   |    |     |      |
| N722 | 24  | <b>Equipment Type</b>               |  | O | ID | 4/4 | Used |
|      |     |                                     | <b>Description:</b> Code identifying equipment type  |   |    |     |      |
|      |     |                                     | <b>User Note 1:</b> <i>When container length and type are available, N722 will list a concatenation of N711 (Equipment Type) + first two digits of N715 (Equipment Length)</i>             |   |    |     |      |
|      |     |                                     | <b>User Note 2:</b> <i>When container length and type are not available, N722 will indicate a container type of "LCL1"</i>   |   |    |     |      |
|      |     |                                     | <b>User Note 3:</b> <i>List of Container Types:</i>  |   |    |     |      |

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>                      | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
|            |           | CN20 20 STANDARD CONTAINER               |            |             |                |              |
|            |           | HV20 20' HIGH CUBE CONTAINER             |            |             |                |              |
|            |           | CX20 20' ISO TANK CONTAINER              |            |             |                |              |
|            |           | PW20 20' PALLET WIDE CONTAINER           |            |             |                |              |
|            |           | CZ20 20' REEFER CONTAINER                |            |             |                |              |
|            |           | CN24 24' STANDARD CONTAINER              |            |             |                |              |
|            |           | HV24 24' HIGH CUBE CONTAINER             |            |             |                |              |
|            |           | CN40 40' STANDARD CONTAINER              |            |             |                |              |
|            |           | HV40 40' HIGH CUBE CONTAINER             |            |             |                |              |
|            |           | PH40 40' HIGH CUBE PALLET WIDE CONTAINER |            |             |                |              |
|            |           | PW40 40' PALLET WIDE                     |            |             |                |              |
|            |           | CZ40 40' REEFER CONTAINER                |            |             |                |              |
|            |           | CX40 40' ISO TANK CONTAINER              |            |             |                |              |
|            |           | PH45 45' HIGH CUBE PALLET WIDE CONTAINER |            |             |                |              |
|            |           | CZ45 45' REEFER CONTAINER                |            |             |                |              |
|            |           | LCL1 LCL / GROUPAGE                      |            |             |                |              |

### Syntax Rules:

1. P0304 - If either N703 or N704 is present, then the other is required.
2. P0516 - If either N705 or N716 is present, then the other is required.
3. P0809 - If either N708 or N709 is present, then the other is required.

### Semantics:

1. N712 is the owner of the equipment.
2. N723 is the operator or carrier of the rights of the equipment.

### User Note 1:

*N7 segment will not be sent when V109 = "A".*

# QTY Quantity

|                   |             |
|-------------------|-------------|
| Pos: 035          | Max: 1      |
| Detail - Optional |             |
| Loop: N7          | Elements: 3 |

**User Option (Usage):** Used

**Purpose:** To specify quantity 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> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| QTY01      | 673       | <b>Quantity Qualifier</b>  | M          | ID          | 2/2            | Must use     |
|            |           | <b>Description:</b> Code specifying the type of quantity   |            |             |                |              |
| QTY02      | 380       | <b>Quantity</b>  | X          | R           | 1/15           | Used         |
|            |           | <b>Description:</b> Numeric value of quantity  |            |             |                |              |
| QTY03      | C001      | <b>Composite Unit of Measure</b>   | O          | Comp        |                | Used         |
|            |           | <b>Description:</b> To identify a composite unit of measure(See Figures Appendix for examples of use)                              |            |             |                |              |
| QTY03-01   | 355       | <b>Unit or Basis for Measurement Code</b>  | M          | ID          | 2/2            | Must use     |
|            |           | <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken |            |             |                |              |
|            |           | <b>All valid standard codes are used. (Total Codes: 794)</b>   |            |             |                |              |
| QTY03-02   | 1018      | <b>Exponent</b>  | O          | R           | 1/15           | Used         |
|            |           | <b>Description:</b> Power to which a unit is raised  |            |             |                |              |
| QTY03-03   | 649       | <b>Multiplier</b>  | O          | R           | 1/10           | Used         |
|            |           | <b>Description:</b> Value to be used as a multiplier to obtain a new value   |            |             |                |              |
| QTY03-04   | 355       | <b>Unit or Basis for Measurement Code</b>  | O          | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken |            |             |                |              |
|            |           | <b>All valid standard codes are used. (Total Codes: 794)</b>   |            |             |                |              |
| QTY03-05   | 1018      | <b>Exponent</b>  | O          | R           | 1/15           | Used         |
|            |           | <b>Description:</b> Power to which a unit is raised  |            |             |                |              |
| QTY03-06   | 649       | <b>Multiplier</b>  | O          | R           | 1/10           | Used         |
|            |           | <b>Description:</b> Value to be used as a multiplier to obtain a new value   |            |             |                |              |
| QTY03-07   | 355       | <b>Unit or Basis for Measurement Code</b>  | O          | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken |            |             |                |              |
|            |           | <b>All valid standard codes are used. (Total Codes: 794)</b>   |            |             |                |              |
| QTY03-08   | 1018      | <b>Exponent</b>  | O          | R           | 1/15           | Used         |
|            |           | <b>Description:</b> Power to which a unit is raised  |            |             |                |              |
| QTY03-09   | 649       | <b>Multiplier</b>  | O          | R           | 1/10           | Used         |
|            |           | <b>Description:</b> Value to be used as a multiplier to obtain a new value   |            |             |                |              |

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>  | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| QTY03-10   | 355       | <b>Unit or Basis for Measurement Code</b>  | O          | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken |            |             |                |              |
|            |           | <b>All valid standard codes are used. (Total Codes: 794)</b>   |            |             |                |              |
| QTY03-11   | 1018      | <b>Exponent</b>  | O          | R           | 1/15           | Used         |
|            |           | <b>Description:</b> Power to which a unit is raised  |            |             |                |              |
| QTY03-12   | 649       | <b>Multiplier</b>  | O          | R           | 1/10           | Used         |
|            |           | <b>Description:</b> Value to be used as a multiplier to obtain a new value   |            |             |                |              |
| QTY03-13   | 355       | <b>Unit or Basis for Measurement Code</b>  | O          | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken |            |             |                |              |
|            |           | <b>All valid standard codes are used. (Total Codes: 794)</b>   |            |             |                |              |
| QTY03-14   | 1018      | <b>Exponent</b>  | O          | R           | 1/15           | Used         |
|            |           | <b>Description:</b> Power to which a unit is raised  |            |             |                |              |
| QTY03-15   | 649       | <b>Multiplier</b>  | O          | R           | 1/10           | Used         |
|            |           | <b>Description:</b> Value to be used as a multiplier to obtain a new value   |            |             |                |              |

### Syntax Rules:

1. R0204 - At least one of QTY02 or QTY04 is required.
2. E0204 - Only one of QTY02 or QTY04 may be present.

### Semantics:

1. QTY04 is used when the quantity is non-numeric.

# M7 Seal Numbers

|                   |             |
|-------------------|-------------|
| Pos: 050          | Max: 5      |
| Detail - Optional |             |
| Loop: N7          | Elements: 1 |

**User Option (Usage):** Used

**Purpose:** To record seal numbers used and the organization that applied the seals

## 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> |
|------------|-----------|---------------------|------------|-------------|----------------|--------------|
| M701       | 225       | Seal Number         | M          | AN          | 2/15           | Must use     |

**Description:** Unique number on seal used to close a shipment

# W09 Equipment and Temperature

|                   |             |
|-------------------|-------------|
| Pos: 060          | Max: 1      |
| Detail - Optional |             |
| Loop: N7          | Elements: 6 |

**User Option (Usage):** Used

**Purpose:** To relate equipment type and required temperatures

## 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> |
|--|-----------|---|------------|-------------|----------------|--------------|
| W0901  | 40        | <b>Equipment Description Code</b>         | M          | ID          | 2/2            | Must use     |
| <b>Description:</b> Code identifying type of equipment used for shipment   |           |   |            |             |                |              |
| <b>Code List Summary</b> (Total Codes: 134, Included: 1)   |           |   |            |             |                |              |
| <b>Code Name</b>   |           |   |            |             |                |              |
| CZ Refrigerated Container  |           |   |            |             |                |              |
| W0902  | 408       | <b>Temperature</b>                        | X          | R           | 1/4            | Used         |
| <b>Description:</b> Temperature  |           |   |            |             |                |              |
| W0903  | 355       | <b>Unit or Basis for Measurement Code</b> | X          | ID          | 2/2            | Used         |
| <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken |           |   |            |             |                |              |
| <b>Code List Summary</b> (Total Codes: 794, Included: 2)   |           |   |            |             |                |              |
| <b>Code Name</b>   |           |   |            |             |                |              |
| CE Centigrade, Celsius   |           |   |            |             |                |              |
| FA Fahrenheit  |           |   |            |             |                |              |
| W0904  | 408       | <b>Temperature</b>                        | X          | R           | 1/4            | Used         |
| <b>Description:</b> Temperature  |           |   |            |             |                |              |
| W0905  | 355       | <b>Unit or Basis for Measurement Code</b> | X          | ID          | 2/2            | Used         |
| <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken |           |   |            |             |                |              |
| <b>Code List Summary</b> (Total Codes: 794, Included: 2)   |           |   |            |             |                |              |
| <b>Code Name</b>   |           |   |            |             |                |              |
| CE Centigrade, Celsius   |           |   |            |             |                |              |
| FA Fahrenheit  |           |   |            |             |                |              |
| W0906  | 3         | <b>Free Form Message</b>                  | O          | AN          | 1/60           | Used         |
| <b>Description:</b> Free-form text   |           |   |            |             |                |              |

## Syntax Rules:

1. P0203 - If either W0902 or W0903 is present, then the other is required.
2. P0405 - If either W0904 or W0905 is present, then the other is required.

## Semantics:

1. W0902 is the minimum allowable temperature condition for shipment; (the qualifying temperature scale is specified in W0903).
2. W0904 is the maximum allowable temperature condition for shipment; (the qualifying temperature scale is

specified in W0905).

3. W0906 is used to describe the environment required within an ocean-type, refrigerated container when other than normal air is required.
4. W0908 is the humidity percentage.
5. W0909 is the number of air exchanges per hour.

# N9 Reference Identification

|                   |             |
|-------------------|-------------|
| Pos: 130          | Max: 100    |
| Detail - Optional |             |
| Loop: N7          | Elements: 3 |

**User Option (Usage):** Used

**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier

## 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> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| N901       | 128       | <b>Reference Identification Qualifier</b>   | M          | ID          | 2/3            | Must use     |
|            |           | <b>Description:</b> Code qualifying the Reference Identification<br><b>All valid standard codes are used. (Total Codes: 1503)</b>               |            |             |                |              |
| N902       | 127       | <b>Reference Identification</b>   | X          | AN          | 1/30           | Used         |
|            |           | <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier |            |             |                |              |
| N903       | 369       | <b>Free-form Description</b>  | X          | AN          | 1/45           | Used         |
|            |           | <b>Description:</b> Free-form descriptive text  |            |             |                |              |

## Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

## Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.



# K1 Remarks

|                   |             |
|-------------------|-------------|
| Pos: 160          | Max: 10     |
| Detail - Optional |             |
| Loop: LX          | Elements: 2 |

**User Option (Usage):** Used

**Purpose:** To transmit information in a free-form format for comment or special instruction

## 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> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| K101       | 61        | <b>Free-Form Message</b>                  | M          | AN          | 1/30           | Must use     |
|            |           | <b>Description:</b> Free-form information |            |             |                |              |
| K102       | 61        | <b>Free-Form Message</b>                  | O          | AN          | 1/30           | Used         |
|            |           | <b>Description:</b> Free-form information |            |             |                |              |

# L0 Line Item - Quantity and Weight

|                   |              |
|-------------------|--------------|
| Pos: 170          | Max: 1       |
| Detail - Optional |              |
| Loop: L0          | Elements: 11 |

**User Option (Usage):** Used

**Purpose:** To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" 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> |
|------------|-----------|--|--------------|-------------|----------------|--------------|
| L001       | 213       | <b>Lading Line Item Number</b>                                       | O            | N0          | 1/3            | Used         |
|            |           | <b>Description:</b> Sequential line number for a lading item         |              |             |                |              |
| L004       | 81        | <b>Weight</b>  | X            | R           | 1/10           | Used         |
|            |           | <b>Description:</b> Numeric value of weight                          |              |             |                |              |
| L005       | 187       | <b>Weight Qualifier</b>  | X            | ID          | 1/2            | Used         |
|            |           | <b>Description:</b> Code defining the type of weight                 |              |             |                |              |
|            |           | <b>Code List Summary</b> (Total Codes: 51, Included: 1)              |              |             |                |              |
|            |           | <u>Code</u>  | <u>Name</u>  |             |                |              |
|            |           | G  | Gross Weight |             |                |              |
| L006       | 183       | <b>Volume</b>  | X            | R           | 1/8            | Used         |
|            |           | <b>Description:</b> Value of volumetric measure                      |              |             |                |              |
| L007       | 184       | <b>Volume Unit Qualifier</b>   | X            | ID          | 1/1            | Used         |
|            |           | <b>Description:</b> Code identifying the volume unit                 |              |             |                |              |
|            |           | <b>Code List Summary</b> (Total Codes: 16, Included: 2)              |              |             |                |              |
|            |           | <u>Code</u>  | <u>Name</u>  |             |                |              |
|            |           | E  | Cubic Feet   |             |                |              |
|            |           | X  | Cubic Meters |             |                |              |
| L008       | 80        | <b>Lading Quantity</b>   | X            | N0          | 1/7            | Used         |
|            |           | <b>Description:</b> Number of units (pieces) of the lading commodity |              |             |                |              |
| L009       | 211       | <b>Packaging Form Code</b>   | X            | ID          | 3/3            | Used         |
|            |           | <b>Description:</b> Code for packaging form of the lading quantity   |              |             |                |              |
|            |           | <b>Code List Summary</b> (Total Codes: 134, Included: 33)            |              |             |                |              |
|            |           | <u>Code</u>  | <u>Name</u>  |             |                |              |
|            |           | BAG  | Bag          |             |                |              |
|            |           | BAL  | Bale         |             |                |              |
|            |           | BDL  | Bundle       |             |                |              |
|            |           | BIN  | Bin          |             |                |              |
|            |           | BLK  | Bulk         |             |                |              |
|            |           | BOT  | Bottle       |             |                |              |
|            |           | BOX  | Box          |             |                |              |
|            |           | BXT  | Bucket       |             |                |              |

**Code Name**

CAS Case  
 CRT Crate  
 CTN Carton  
 CYL Cylinder  
 DRM Drum  
 JAR Jar  
 JUG Jug  
 KIT Kit  
 LBK Liquid Bulk  
 LSE Loose  
 PAL Pail  
 PCS Pieces  
 PKG Package  
 PLT Pallet  
 RCK Rack  
 REL Reel  
 ROL Roll  
 SHT Sheet  
 SKD Skid  
 SKE Skid, elevating or lift truck  
 SLP Slip Sheet  
 TBN Tote Bin  
 TLD Intermodal Trailer/Container Load (Rail)  
 TRY Tray  
 TUB Tub

L011 188 **Weight Unit Code** O ID 1/1 Used

**Description:** Code specifying the weight unit

**Code List Summary** (Total Codes: 8, Included: 8)

**Code Name**

E Metric Ton  
 G Grams  
 K Kilograms  
 L Pounds  
 M Measurement Ton  
 O Ounces  
 S Short Ton  
 T Long Ton

L013 380 **Quantity** X R 1/15 Used

**Description:** Numeric value of quantity

L014 211 **Packaging Form Code** O ID 3/3 Used

**Description:** Code for packaging form of the lading quantity

**User Note 1:** See L009 for complete list.

**User Note 2:** Used to communicate inner pack details.

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>                      | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| L015       | 1073      | <b>Yes/No Condition or Response Code</b> | X          | ID          | 1/1            | Used         |

**All valid standard codes are used. (Total Codes: 134)**

**Description:** Code indicating a Yes or No condition or response

**Code List Summary** (Total Codes: 4, Included: 1)

**Code Name**

W Not Applicable

### Syntax Rules:

1. P0203 - If either L002 or L003 is present, then the other is required.
2. P0405 - If either L004 or L005 is present, then the other is required.
3. P0607 - If either L006 or L007 is present, then the other is required.
4. P0809 - If either L008 or L009 is present, then the other is required.
5. C1104 - If L011 is present, then L004 is required.
6. P1315 - If either L013 or L015 is present, then the other is required.

### Semantics:

- 1.

# MEA Measurements

|                   |             |
|-------------------|-------------|
| Pos: 171          | Max: 10     |
| Detail - Optional |             |
| Loop: L0          | Elements: 3 |

**User Option (Usage):** Used

**Purpose:** To specify physical measurements or counts, including dimensions, tolerances, variances, and weights(See Figures Appendix for example of use of C001)

## 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> |
|------------|-----------|------------------------------|------------|-------------|----------------|--------------|
| MEA02      | 738       | <b>Measurement Qualifier</b> | O          | ID          | 1/3            | Used         |

**Description:** Code identifying a specific product or process characteristic to which a measurement applies

**Code List Summary** (Total Codes: 920, Included: 1)

**Code Name**

N Actual Net Weight

|       |     |                          |   |   |      |      |
|-------|-----|--------------------------|---|---|------|------|
| MEA03 | 739 | <b>Measurement Value</b> | X | R | 1/20 | Used |
|-------|-----|--------------------------|---|---|------|------|

**Description:** The value of the measurement

|       |      |                                  |   |      |  |      |
|-------|------|----------------------------------|---|------|--|------|
| MEA04 | C001 | <b>Composite Unit of Measure</b> | X | Comp |  | Used |
|-------|------|----------------------------------|---|------|--|------|

**Description:** To identify a composite unit of measure(See Figures Appendix for examples of use)

|          |     |   |   |    |     |          |
|----------|-----|---|---|----|-----|----------|
| MEA04-01 | 355 | <b>Unit or Basis for Measurement Code</b> | M | ID | 2/2 | Must use |
|----------|-----|---|---|----|-----|----------|

**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

**Code List Summary** (Total Codes: 794, Included: 2)

**Code Name**

58 Net Kilograms

PN Pounds Net

## Syntax Rules:

1. R03050608 - At least one of MEA03, MEA05, MEA06 or MEA08 is required.
2. C0504 - If MEA05 is present, then MEA04 is required.
3. C0604 - If MEA06 is present, then MEA04 is required.
4. L07030506 - If MEA07 is present, then at least one of MEA03, MEA05 or MEA06 is required.
5. E0803 - Only one of MEA08 or MEA03 may be present.

## Semantics:

1. MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

# PO4 Item Physical Details

|                   |             |
|-------------------|-------------|
| Pos: 172          | Max: 1      |
| Detail - Optional |             |
| Loop: PO4         | Elements: 4 |

**User Option (Usage):** Used

**Purpose:** To specify the physical qualities, packaging, weights, and dimensions relating to the item

## 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> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| PO410      | 82        | <b>Length</b>  | X          | R           | 1/8            | Used         |
|            |           | <b>Description:</b> Largest horizontal dimension of an object measured when the object is in the upright position                  |            |             |                |              |
| PO411      | 189       | <b>Width</b>   | X          | R           | 1/8            | Used         |
|            |           | <b>Description:</b> Shorter measurement of the two horizontal dimensions measured with the object in the upright position          |            |             |                |              |
| PO412      | 65        | <b>Height</b>  | X          | R           | 1/8            | Used         |
|            |           | <b>Description:</b> Vertical dimension of an object measured when the object is in the upright position                            |            |             |                |              |
| PO413      | 355       | <b>Unit or Basis for Measurement Code</b>  | X          | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken |            |             |                |              |

**Code List Summary** (Total Codes: 794, Included: 4)

### Code Name

|    |              |
|----|--------------|
| CM | Centimeter   |
| IN | Inch         |
| LF | Linear Foot  |
| LM | Linear Meter |

## Syntax Rules:

1. P0203 - If either PO402 or PO403 is present, then the other is required.
2. C0506 - If PO405 is present, then PO406 is required.
3. P0607 - If either PO406 or PO407 is present, then the other is required.
4. P0809 - If either PO408 or PO409 is present, then the other is required.
5. C1013 - If PO410 is present, then PO413 is required.
6. C1113 - If PO411 is present, then PO413 is required.
7. C1213 - If PO412 is present, then PO413 is required.
8. L13101112 - If PO413 is present, then at least one of PO410, PO411 or PO412 is required.
9. C1716 - If PO417 is present, then PO416 is required.
10. C1804 - If PO418 is present, then PO404 is required.

## Semantics:

1. PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
2. PO416 is the package identifier or the beginning package identifier in a range of identifiers.
3. PO417 is the ending package identifier in a range of identifiers.
4. PO418 is the number of packages in this layer.

# MAN Marks and Numbers

|                   |             |
|-------------------|-------------|
| Pos: 174          | Max: 5      |
| Detail - Optional |             |
| Loop: PO4         | Elements: 6 |

**User Option (Usage):** Used

**Purpose:** To indicate identifying marks and numbers for shipping containers

## 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> |
|--|-----------|------------------------------------|------------|-------------|----------------|--------------|
| MAN01  | 88        | <b>Marks and Numbers Qualifier</b> | M          | ID          | 1/2            | Must use     |
| <b>Description:</b> Code specifying the application or source of Marks and Numbers (87)<br><b>All valid standard codes are used. (Total Codes: 20)</b> |           |                                    |            |             |                |              |
| MAN02  | 87        | <b>Marks and Numbers</b>           | M          | AN          | 1/48           | Must use     |
| <b>Description:</b> Marks and numbers used to identify a shipment or parts of a shipment   |           |                                    |            |             |                |              |
| MAN03  | 87        | <b>Marks and Numbers</b>           | O          | AN          | 1/48           | Used         |
| <b>Description:</b> Marks and numbers used to identify a shipment or parts of a shipment   |           |                                    |            |             |                |              |
| MAN04  | 88        | <b>Marks and Numbers Qualifier</b> | X          | ID          | 1/2            | Used         |
| <b>Description:</b> Code specifying the application or source of Marks and Numbers (87)<br><b>All valid standard codes are used. (Total Codes: 20)</b> |           |                                    |            |             |                |              |
| MAN05  | 87        | <b>Marks and Numbers</b>           | X          | AN          | 1/48           | Used         |
| <b>Description:</b> Marks and numbers used to identify a shipment or parts of a shipment   |           |                                    |            |             |                |              |
| MAN06  | 87        | <b>Marks and Numbers</b>           | O          | AN          | 1/48           | Used         |
| <b>Description:</b> Marks and numbers used to identify a shipment or parts of a shipment   |           |                                    |            |             |                |              |

## Syntax Rules:

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

## Semantics:

1. MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.
2. When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.
3. When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.

# QTY Quantity

|                   |             |
|-------------------|-------------|
| Pos: 176          | Max: 5      |
| Detail - Optional |             |
| Loop: L0          | Elements: 3 |

**User Option (Usage):** Used

**Purpose:** To specify quantity 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> |
|------------|-----------|---------------------|------------|-------------|----------------|--------------|
| QTY01      | 673       | Quantity Qualifier  | M          | ID          | 2/2            | Must use     |

**Description:** Code specifying the type of quantity

**Code List Summary** (Total Codes: 832, Included: 1)

**Code Name**

38 Original Quantity

|       |     |          |   |   |      |      |
|-------|-----|----------|---|---|------|------|
| QTY02 | 380 | Quantity | X | R | 1/15 | Used |
|-------|-----|----------|---|---|------|------|

**Description:** Numeric value of quantity

|       |      |                           |   |      |  |      |
|-------|------|---------------------------|---|------|--|------|
| QTY03 | C001 | Composite Unit of Measure | O | Comp |  | Used |
|-------|------|---------------------------|---|------|--|------|

**Description:** To identify a composite unit of measure(See Figures Appendix for examples of use)

|          |     |                                    |   |    |     |          |
|----------|-----|------------------------------------|---|----|-----|----------|
| QTY03-01 | 355 | Unit or Basis for Measurement Code | M | ID | 2/2 | Must use |
|----------|-----|------------------------------------|---|----|-----|----------|

**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

**Code List Summary** (Total Codes: 794, Included: 1)

**Code Name**

PL Pallet

## Syntax Rules:

1. R0204 - At least one of QTY02 or QTY04 is required.
2. E0204 - Only one of QTY02 or QTY04 may be present.

## Semantics:

1. QTY04 is used when the quantity is non-numeric.



# CTP Pricing Information

|                   |             |
|-------------------|-------------|
| Pos: 183          | Max: 1      |
| Detail - Optional |             |
| Loop: CTP         | Elements: 3 |

**User Option (Usage):** Used

**Purpose:** To specify pricing 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> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| CTP03      | 212       | <b>Unit Price</b>  | X          | R           | 1/17           | Used         |
|            |           | <b>Description:</b> Price per unit of product, service, commodity, etc.  |            |             |                |              |
| CTP04      | 380       | <b>Quantity</b>  | X          | R           | 1/15           | Used         |
|            |           | <b>Description:</b> Numeric value of quantity  |            |             |                |              |
| CTP05      | C001      | <b>Composite Unit of Measure</b>   | X          | Comp        |                | Used         |
|            |           | <b>Description:</b> To identify a composite unit of measure(See Figures Appendix for examples of use)                              |            |             |                |              |
| CTP05-01   | 355       | <b>Unit or Basis for Measurement Code</b>  | M          | ID          | 2/2            | Must use     |
|            |           | <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken |            |             |                |              |
|            |           | <b>All valid standard codes are used. (Total Codes: 794)</b>   |            |             |                |              |

## Syntax Rules:

1. P0405 - If either CTP04 or CTP05 is present, then the other is required.
2. C0607 - If CTP06 is present, then CTP07 is required.
3. C0902 - If CTP09 is present, then CTP02 is required.
4. C1002 - If CTP10 is present, then CTP02 is required.
5. C1103 - If CTP11 is present, then CTP03 is required.

## Semantics:

1. CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
2. CTP08 is the rebate amount.

# CUR Currency

|                   |             |
|-------------------|-------------|
| Pos: 184          | Max: 1      |
| Detail - Optional |             |
| Loop: CTP         | Elements: 2 |

**User Option (Usage):** Used

**Purpose:** To specify the currency (dollars, pounds, francs, etc.) used in a transaction

## 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> |
|------------|-----------|------------------------|------------|-------------|----------------|--------------|
| CUR01      | 98        | Entity Identifier Code | M          | ID          | 2/3            | Must use     |

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

**Code List Summary** (Total Codes: 1312, Included: 1)

**Code Name**

ZZ Mutually Defined

|       |     |               |   |    |     |          |
|-------|-----|---------------|---|----|-----|----------|
| CUR02 | 100 | Currency Code | M | ID | 3/3 | Must use |
|-------|-----|---------------|---|----|-----|----------|

**Description:** Code (Standard ISO) for country in whose currency the charges are specified

## Syntax Rules:

1. C0807 - If CUR08 is present, then CUR07 is required.
2. C0907 - If CUR09 is present, then CUR07 is required.
3. L101112 - If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4. C1110 - If CUR11 is present, then CUR10 is required.
5. C1210 - If CUR12 is present, then CUR10 is required.
6. L131415 - If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7. C1413 - If CUR14 is present, then CUR13 is required.
8. C1513 - If CUR15 is present, then CUR13 is required.
9. L161718 - If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10. C1716 - If CUR17 is present, then CUR16 is required.
11. C1816 - If CUR18 is present, then CUR16 is required.
12. L192021 - If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13. C2019 - If CUR20 is present, then CUR19 is required.
14. C2119 - If CUR21 is present, then CUR19 is required.

# L5 Description, Marks and Numbers

|                   |             |
|-------------------|-------------|
| Pos: 185          | Max: 999    |
| Detail - Optional |             |
| Loop: L0          | Elements: 9 |

**User Option (Usage):** Used

**Purpose:** To specify the line item in terms of description, quantity, packaging, and marks and numbers

## 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> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| L501       | 213       | <b>Lading Line Item Number</b>  | O          | NO          | 1/3            | Used         |
|            |           | <b>Description:</b> Sequential line number for a lading item  |            |             |                |              |
| L502       | 79        | <b>Lading Description</b>   | O          | AN          | 1/50           | Used         |
|            |           | <b>Description:</b> Description of an item as required for rating and billing purposes  |            |             |                |              |
| L503       | 22        | <b>Commodity Code</b>   | X          | AN          | 1/30           | Used         |
|            |           | <b>Description:</b> Code describing a commodity or group of commodities   |            |             |                |              |
| L504       | 23        | <b>Commodity Code Qualifier</b>   | X          | ID          | 1/1            | Used         |
|            |           | <b>Description:</b> Code identifying the commodity coding system used for Commodity Code  |            |             |                |              |
|            |           | <b>Code List Summary</b> (Total Codes: 23, Included: 1)   |            |             |                |              |
|            |           | <b>Code Name</b>  |            |             |                |              |
|            |           | A Harmonized Tariff Schedule of the United States Annotated   |            |             |                |              |
| L505       | 103       | <b>Packaging Code</b>   | O          | AN          | 3/5            | Used         |
|            |           | <b>Description:</b> Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required |            |             |                |              |
|            |           | <b>All valid standard codes are used. (Total Codes: 203)</b>  |            |             |                |              |
| L506       | 87        | <b>Marks and Numbers</b>  | X          | AN          | 1/48           | Used         |
|            |           | <b>Description:</b> Marks and numbers used to identify a shipment or parts of a shipment  |            |             |                |              |
| L507       | 88        | <b>Marks and Numbers Qualifier</b>  | O          | ID          | 1/2            | Used         |
|            |           | <b>Description:</b> Code specifying the application or source of Marks and Numbers (87)   |            |             |                |              |
|            |           | <b>All valid standard codes are used. (Total Codes: 20)</b>   |            |             |                |              |
| L508       | 23        | <b>Commodity Code Qualifier</b>   | X          | ID          | 1/1            | Used         |
|            |           | <b>Description:</b> Code identifying the commodity coding system used for Commodity Code  |            |             |                |              |
|            |           | <b>Code List Summary</b> (Total Codes: 23, Included: 1)   |            |             |                |              |
|            |           | <b>Code Name</b>  |            |             |                |              |
|            |           | B U.S. Foreign Trade Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States   |            |             |                |              |
| L509       | 22        | <b>Commodity Code</b>   | X          | AN          | 1/30           | Used         |
|            |           | <b>Description:</b> Code describing a commodity or group of commodities   |            |             |                |              |

## Syntax Rules:

1. P0304 - If either L503 or L504 is present, then the other is required.
2. C0706 - If L507 is present, then L506 is required.

3. P0809 - If either L508 or L509 is present, then the other is required.

# LIN Item Identification

|                   |              |
|-------------------|--------------|
| Pos: 187          | Max: 1       |
| Detail - Optional |              |
| Loop: L0          | Elements: 19 |

**User Option (Usage):** Used

**Purpose:** To specify basic item identification 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> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| LIN01      | 350       | <b>Assigned Identification</b>  | O          | AN          | 1/20           | Used         |
|            |           | <b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set               |            |             |                |              |
| LIN02      | 235       | <b>Product/Service ID Qualifier</b>   | M          | ID          | 2/2            | Must use     |
|            |           | <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) |            |             |                |              |
|            |           | <b>Code List Summary</b> (Total Codes: 477, Included: 1)  |            |             |                |              |
|            |           | <b>Code Name</b>  |            |             |                |              |
|            |           | PN Company Part Number  |            |             |                |              |
| LIN03      | 234       | <b>Product/Service ID</b>   | M          | AN          | 1/48           | Must use     |
|            |           | <b>Description:</b> Identifying number for a product or service   |            |             |                |              |
| LIN04      | 235       | <b>Product/Service ID Qualifier</b>   | X          | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) |            |             |                |              |
|            |           | <b>Code List Summary</b> (Total Codes: 477, Included: 1)  |            |             |                |              |
|            |           | <b>Code Name</b>  |            |             |                |              |
|            |           | CN Commodity Name   |            |             |                |              |
| LIN05      | 234       | <b>Product/Service ID</b>   | X          | AN          | 1/48           | Used         |
|            |           | <b>Description:</b> Identifying number for a product or service   |            |             |                |              |
| LIN06      | 235       | <b>Product/Service ID Qualifier</b>   | X          | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) |            |             |                |              |
|            |           | <b>Code List Summary</b> (Total Codes: 477, Included: 1)  |            |             |                |              |
|            |           | <b>Code Name</b>  |            |             |                |              |
|            |           | SK Stock Keeping Unit (SKU)   |            |             |                |              |
| LIN07      | 234       | <b>Product/Service ID</b>   | X          | AN          | 1/48           | Used         |
|            |           | <b>Description:</b> Identifying number for a product or service   |            |             |                |              |
| LIN08      | 235       | <b>Product/Service ID Qualifier</b>   | X          | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) |            |             |                |              |
|            |           | <b>All valid standard codes are used. (Total Codes: 477)</b>  |            |             |                |              |
| LIN09      | 234       | <b>Product/Service ID</b>   | X          | AN          | 1/48           | Used         |
|            |           | <b>Description:</b> Identifying number for a product or service   |            |             |                |              |

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>   | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| LIN10      | 235       | <b>Product/Service ID Qualifier</b>   | X          | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) |            |             |                |              |
|            |           | <b>Code List Summary</b> (Total Codes: 477, Included: 1)  |            |             |                |              |
|            |           | <b>Code Name</b>  |            |             |                |              |
|            |           | BP Buyer's Part Number  |            |             |                |              |
| LIN11      | 234       | <b>Product/Service ID</b>   | X          | AN          | 1/48           | Used         |
|            |           | <b>Description:</b> Identifying number for a product or service   |            |             |                |              |
| LIN12      | 235       | <b>Product/Service ID Qualifier</b>   | X          | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) |            |             |                |              |
|            |           | <b>Code List Summary</b> (Total Codes: 477, Included: 1)  |            |             |                |              |
|            |           | <b>Code Name</b>  |            |             |                |              |
|            |           | UP U.P.C. Consumer Package Code (1-5-5-1)   |            |             |                |              |
| LIN13      | 234       | <b>Product/Service ID</b>   | X          | AN          | 1/48           | Used         |
|            |           | <b>Description:</b> Identifying number for a product or service   |            |             |                |              |
| LIN14      | 235       | <b>Product/Service ID Qualifier</b>   | X          | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) |            |             |                |              |
|            |           | <b>Code List Summary</b> (Total Codes: 477, Included: 1)  |            |             |                |              |
|            |           | <b>Code Name</b>  |            |             |                |              |
|            |           | VN Vendor's (Seller's) Item Number  |            |             |                |              |
| LIN15      | 234       | <b>Product/Service ID</b>   | X          | AN          | 1/48           | Used         |
|            |           | <b>Description:</b> Identifying number for a product or service   |            |             |                |              |
| LIN16      | 235       | <b>Product/Service ID Qualifier</b>   | X          | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) |            |             |                |              |
|            |           | <b>Code List Summary</b> (Total Codes: 477, Included: 1)  |            |             |                |              |
|            |           | <b>Code Name</b>  |            |             |                |              |
|            |           | CH Country of Origin Code   |            |             |                |              |
| LIN17      | 234       | <b>Product/Service ID</b>   | X          | AN          | 1/48           | Used         |
|            |           | <b>Description:</b> Identifying number for a product or service   |            |             |                |              |
| LIN20      | 235       | <b>Product/Service ID Qualifier</b>   | X          | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) |            |             |                |              |
|            |           | <b>Code List Summary</b> (Total Codes: 477, Included: 1)  |            |             |                |              |
|            |           | <b>Code Name</b>  |            |             |                |              |
|            |           | PI Purchaser's Item Code  |            |             |                |              |

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---------------------|------------|-------------|----------------|--------------|
| LIN21      | 234       | Product/Service ID  | X          | AN          | 1/48           | Used         |

**Description:** Identifying number for a product or service

### Syntax Rules:

1. P0405 - If either LIN04 or LIN05 is present, then the other is required.
2. P0607 - If either LIN06 or LIN07 is present, then the other is required.
3. P0809 - If either LIN08 or LIN09 is present, then the other is required.
4. P1011 - If either LIN10 or LIN11 is present, then the other is required.
5. P1213 - If either LIN12 or LIN13 is present, then the other is required.
6. P1415 - If either LIN14 or LIN15 is present, then the other is required.
7. P1617 - If either LIN16 or LIN17 is present, then the other is required.
8. P1819 - If either LIN18 or LIN19 is present, then the other is required.
9. P2021 - If either LIN20 or LIN21 is present, then the other is required.
10. P2223 - If either LIN22 or LIN23 is present, then the other is required.
11. P2425 - If either LIN24 or LIN25 is present, then the other is required.
12. P2627 - If either LIN26 or LIN27 is present, then the other is required.
13. P2829 - If either LIN28 or LIN29 is present, then the other is required.
14. P3031 - If either LIN30 or LIN31 is present, then the other is required.

### Semantics:

1. LIN01 is the line item identification

# N9 Reference Identification

|                   |             |
|-------------------|-------------|
| Pos: 195          | Max: 100    |
| Detail - Optional |             |
| Loop: L0          | Elements: 2 |

**User Option (Usage):** Used

**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier

## 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> |
|------------|-----------|------------------------------------|------------|-------------|----------------|--------------|
| N901       | 128       | Reference Identification Qualifier | M          | ID          | 2/3            | Must use     |

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

|      |     |                          |   |    |      |      |
|------|-----|--------------------------|---|----|------|------|
| N902 | 127 | Reference Identification | X | AN | 1/30 | Used |
|------|-----|--------------------------|---|----|------|------|

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

## Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

## Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.



# LH1 Hazardous Identification Information

|                   |             |
|-------------------|-------------|
| Pos: 290          | Max: 1      |
| Detail - Optional |             |
| Loop: LH1         | Elements: 5 |

**User Option (Usage):** Used

**Purpose:** To specify the hazardous commodity identification reference number and quantity

## 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> |
|---|-----------|---|------------|-------------|----------------|--------------|
| LH101   | 355       | <b>Unit or Basis for Measurement Code</b> | M          | ID          | 2/2            | Must use     |
| <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken  |           |   |            |             |                |              |
| <b>Code List Summary</b> (Total Codes: 794, Included: 1)  |           |   |            |             |                |              |
| <b>Code Name</b>  |           |   |            |             |                |              |
| ZZ Mutually Defined   |           |   |            |             |                |              |
| LH102   | 80        | <b>Lading Quantity</b>                    | M          | N0          | 1/7            | Must use     |
| <b>Description:</b> Number of units (pieces) of the lading commodity  |           |   |            |             |                |              |
| LH103   | 277       | <b>UN/NA Identification Code</b>          | O          | ID          | 6/6            | Used         |
| <b>Description:</b> Code identifying the hazardous material identification number as required by Title 49 of the code of Federal Regulations; UN/NA stands for United Nations/North America |           |   |            |             |                |              |
| LH104   | 200       | <b>Hazardous Materials Page</b>           | O          | AN          | 1/6            | Used         |
| <b>Description:</b> The United Nations page number as required for the international transport of hazardous materials   |           |   |            |             |                |              |
| LH110   | 254       | <b>Packing Group Code</b>                 | O          | ID          | 1/3            | Used         |
| <b>Description:</b> Code indicating degree of danger in terms of Roman number I, II or III  |           |   |            |             |                |              |

# LH2 Hazardous Classification Information

|                   |             |
|-------------------|-------------|
| Pos: 300          | Max: 4      |
| Detail - Optional |             |
| Loop: LH1         | Elements: 1 |

**User Option (Usage):** Used

**Purpose:** To specify the hazardous notation and endorsement 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> |
|------------|-----------|--------------------------|------------|-------------|----------------|--------------|
| LH201      | 215       | Hazardous Classification | O          | ID          | 1/30           | Used         |

**Description:** The hazardous classification corresponding to the shipping name of the hazardous commodity

## Syntax Rules:

1. P0607 - If either LH206 or LH207 is present, then the other is required.
2. P0809 - If either LH208 or LH209 is present, then the other is required.
3. P1011 - If either LH210 or LH211 is present, then the other is required.

## Semantics:

1. LH206 and LH207 indicate the flashpoint temperature.
2. LH208 and LH209 indicate the control temperature.
3. LH210 and LH211 indicate the emergency temperature.

# LH3 Hazardous Material Shipping Name

|                   |             |
|-------------------|-------------|
| Pos: 310          | Max: 10     |
| Detail - Optional |             |
| Loop: LH1         | Elements: 2 |

**User Option (Usage):** Used

**Purpose:** To specify the hazardous material shipping name and additional descriptive requirements

## 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> |
|------------|-----------|----------------------------------|------------|-------------|----------------|--------------|
| LH301      | 224       | Hazardous Material Shipping Name | X          | AN          | 1/25           | Used         |

**Description:** The proper shipping name of the hazardous commodity as specified by the Code of Federal Regulations, Title 49

|       |     |  |   |    |     |      |
|-------|-----|--|---|----|-----|------|
| LH302 | 984 | Hazardous Material Shipping Name Qualifier | X | ID | 1/1 | Used |
|-------|-----|--|---|----|-----|------|

**Description:** Qualifier indicating the source (regulatory) of the proper shipping name  
**All valid standard codes are used. (Total Codes: 3)**

## Syntax Rules:

1. P0102 - If either LH301 or LH302 is present, then the other is required.

## Semantics:

1. If LH304 is "Y", then this is an Association of American Railroads Operations and Transportation Bulletin 55 commodity. If "N", it is not an Association of American Railroads Operations and Transportation Bulletin 55 commodity.

# LFH Freeform Hazardous Material Information

|                   |             |
|-------------------|-------------|
| Pos: 320          | Max: 25     |
| Detail - Optional |             |
| Loop: LH1         | Elements: 3 |

**User Option (Usage):** Used

**Purpose:** To uniquely identify the variable information required by government regulation covering the transportation of hazardous material shipments

## 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> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| LFH01      | 808       | <b>Hazardous Material Shipment Information Qualifier</b> | M          | ID          | 3/3            | Must use     |

**Description:** Qualifier indicating the type of information being passed so that a receiver may format a description of hazardous commodity movements that meets regulatory requirements

**Code List Summary** (Total Codes: 19, Included: 19)

### Code Name

ADI Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper

#### **User Note 1:**

*Indicates vessel stowage category*

CAO Cargo Airlift Only

D13 "DOT - 113, Do Not Bump or Cut Off Car While in Motion" Declaration

DRC Damaged Car Number

DWW "Dangerous When Wet" Declaration

EMS Emergency Schedule (EMS) Page Number

HOT Identifies Products in a Heated Molten State

HZC Hazardous Substance Constituents

INH Inhalation Hazard

LQY "Limited Quantity" Declaration

MFA Medical First Aid Guide (MFAG) Page Number

MOS Maximum Operating Speed

MPI Marine Pollutant

#### **User Note 1:**

*Indicates marine pollutant category*

PIH "Poison - Inhalation Hazard" Declaration

POI "Poison" Declaration

RAM Radioactive Material Data

TEC Technical or Chemical Group Name

TNM Trade Name

WST Waste Declaration

|       |     |  |   |    |      |          |
|-------|-----|--|---|----|------|----------|
| LFH02 | 809 | <b>Hazardous Material Shipment Information</b> | M | AN | 1/25 | Must use |
|-------|-----|--|---|----|------|----------|

**Description:** Specific information required by law for hazardous material shipments

|       |     |  |   |    |      |      |
|-------|-----|--|---|----|------|------|
| LFH03 | 809 | <b>Hazardous Material Shipment Information</b> | O | AN | 1/25 | Used |
|-------|-----|--|---|----|------|------|

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u>  |
|------------|-----------|---------------------|------------|-------------|----------------|---|
|            |           |                     |            |             |                | <b>Description:</b> Specific information required by law for hazardous material shipments |

**Syntax Rules:**

1. P0506 - If either LFH05 or LFH06 is present, then the other is required.

**Semantics:**

1. LFH06 indicates activity of the radioactive material.
2. LFH07 indicates transport index of the radioactive material.

# PER Administrative Communications Contact

|                   |             |
|-------------------|-------------|
| Pos: 370          | Max: 5      |
| Detail - Optional |             |
| Loop: LH1         | Elements: 9 |

**User Option (Usage):** Used

**Purpose:** To identify a person or office to whom administrative communications should be directed

## 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> |
|------------|-----------|-----------------------|------------|-------------|----------------|--------------|
| PER01      | 366       | Contact Function Code | M          | ID          | 2/2            | Must use     |

**Description:** Code identifying the major duty or responsibility of the person or group named

**Code List Summary** (Total Codes: 230, Included: 1)

Code Name

EM Emergency Contact

|       |    |      |   |    |      |      |
|-------|----|------|---|----|------|------|
| PER02 | 93 | Name | O | AN | 1/60 | Used |
|-------|----|------|---|----|------|------|

**Description:** Free-form name

|       |     |                                |   |    |     |      |
|-------|-----|--------------------------------|---|----|-----|------|
| PER03 | 365 | Communication Number Qualifier | X | ID | 2/2 | Used |
|-------|-----|--------------------------------|---|----|-----|------|

**Description:** Code identifying the type of communication number

**Code List Summary** (Total Codes: 40, Included: 1)

Code Name

TE Telephone

|       |     |                      |   |    |      |      |
|-------|-----|----------------------|---|----|------|------|
| PER04 | 364 | Communication Number | X | AN | 1/80 | Used |
|-------|-----|----------------------|---|----|------|------|

**Description:** Complete communications number including country or area code when applicable

|       |     |                                |   |    |     |      |
|-------|-----|--------------------------------|---|----|-----|------|
| PER05 | 365 | Communication Number Qualifier | X | ID | 2/2 | Used |
|-------|-----|--------------------------------|---|----|-----|------|

**Description:** Code identifying the type of communication number

**Code List Summary** (Total Codes: 40, Included: 1)

Code Name

AP Alternate Telephone

|       |     |                      |   |    |      |      |
|-------|-----|----------------------|---|----|------|------|
| PER06 | 364 | Communication Number | X | AN | 1/80 | Used |
|-------|-----|----------------------|---|----|------|------|

**Description:** Complete communications number including country or area code when applicable

|       |     |                                |   |    |     |      |
|-------|-----|--------------------------------|---|----|-----|------|
| PER07 | 365 | Communication Number Qualifier | X | ID | 2/2 | Used |
|-------|-----|--------------------------------|---|----|-----|------|

**Description:** Code identifying the type of communication number

**All valid standard codes are used. (Total Codes: 40)**

|       |     |                      |   |    |      |      |
|-------|-----|----------------------|---|----|------|------|
| PER08 | 364 | Communication Number | X | AN | 1/80 | Used |
|-------|-----|----------------------|---|----|------|------|

**Description:** Complete communications number including country or area code when applicable

|       |     |                           |   |    |      |      |
|-------|-----|---------------------------|---|----|------|------|
| PER09 | 443 | Contact Inquiry Reference | O | AN | 1/20 | Used |
|-------|-----|---------------------------|---|----|------|------|

**Description:** Additional reference number or description to clarify a contact number

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---------------------|------------|-------------|----------------|--------------|
|------------|-----------|---------------------|------------|-------------|----------------|--------------|

**Syntax Rules:**

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

# L3 Total Weight and Charges

|                    |             |
|--------------------|-------------|
| Pos: 010           | Max: 1      |
| Summary - Optional |             |
| Loop: L3           | Elements: 8 |

**User Option (Usage):** Used

**Purpose:** To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items

## 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> |
|------------|-----------|--|--------------|-------------|----------------|--------------|
| L301       | 81        | <b>Weight</b>  | X            | R           | 1/10           | Used         |
|            |           | <b>Description:</b> Numeric value of weight  |              |             |                |              |
| L302       | 187       | <b>Weight Qualifier</b>  | X            | ID          | 1/2            | Used         |
|            |           | <b>Description:</b> Code defining the type of weight   |              |             |                |              |
|            |           | <b>Code List Summary</b> (Total Codes: 51, Included: 1)  |              |             |                |              |
|            |           | <u>Code</u>  | <u>Name</u>  |             |                |              |
|            |           | G  | Gross Weight |             |                |              |
| L309       | 183       | <b>Volume</b>  | X            | R           | 1/8            | Used         |
|            |           | <b>Description:</b> Value of volumetric measure  |              |             |                |              |
| L310       | 184       | <b>Volume Unit Qualifier</b>   | X            | ID          | 1/1            | Used         |
|            |           | <b>Description:</b> Code identifying the volume unit   |              |             |                |              |
|            |           | <b>Code List Summary</b> (Total Codes: 16, Included: 2)  |              |             |                |              |
|            |           | <u>Code</u>  | <u>Name</u>  |             |                |              |
|            |           | E  | Cubic Feet   |             |                |              |
|            |           | X  | Cubic Meters |             |                |              |
| L311       | 80        | <b>Lading Quantity</b>   | O            | N0          | 1/7            | Used         |
|            |           | <b>Description:</b> Number of units (pieces) of the lading commodity   |              |             |                |              |
| L312       | 188       | <b>Weight Unit Code</b>  | O            | ID          | 1/1            | Used         |
|            |           | <b>Description:</b> Code specifying the weight unit  |              |             |                |              |
|            |           | <b>Code List Summary</b> (Total Codes: 8, Included: 2)   |              |             |                |              |
|            |           | <u>Code</u>  | <u>Name</u>  |             |                |              |
|            |           | K  | Kilograms    |             |                |              |
|            |           | L  | Pounds       |             |                |              |
| L314       | 74        | <b>Declared Value</b>  | X            | N2          | 2/12           | Used         |
|            |           | <b>Description:</b> Monetary assigned value expressed in the standard monetary denomination for the currency specified |              |             |                |              |
| L315       | 122       | <b>Rate/Value Qualifier</b>  | X            | ID          | 2/2            | Used         |
|            |           | <b>Description:</b> Code qualifying how to extend charges or interpret value   |              |             |                |              |
|            |           | <b>All valid standard codes are used. (Total Codes: 163)</b>   |              |             |                |              |

## Syntax Rules:

1. P0102 - If either L301 or L302 is present, then the other is required.



2. P0304 - If either L303 or L304 is present, then the other is required.
3. P0910 - If either L309 or L310 is present, then the other is required.
4. C1201 - If L312 is present, then L301 is required.
5. P1415 - If either L314 or L315 is present, then the other is required.

**Semantics:**

1. L305 is the total charges.

# L1 Rate and Charges

|                    |             |
|--------------------|-------------|
| Pos: 030           | Max: 1      |
| Summary - Optional |             |
| Loop: L1           | Elements: 5 |

**User Option (Usage):** Used

**Purpose:** To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements

## 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> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| L101       | 213       | Lading Line Item Number  | O          | N0          | 1/3            | Used         |
|            |           | <b>Description:</b> Sequential line number for a lading item   |            |             |                |              |
| L104       | 58        | Charge   | X          | N2          | 1/12           | Used         |
|            |           | <b>Description:</b> For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified |            |             |                |              |
| L108       | 150       | Special Charge or Allowance Code   | O          | ID          | 3/3            | Used         |
|            |           | <b>Description:</b> Code identifying type of special charge or allowance   |            |             |                |              |
|            |           | <b>Code List Summary</b> (Total Codes: 1073, Included: 3)  |            |             |                |              |
|            |           | <b>Code Name</b>   |            |             |                |              |
|            |           | 400 Freight  |            |             |                |              |
|            |           | 405 Fuel Surcharge   |            |             |                |              |
|            |           | MSC Other Accessorial Service Charge   |            |             |                |              |
| L112       | 276       | Special Charge Description   | O          | AN          | 2/25           | Used         |
|            |           | <b>Description:</b> Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150  |            |             |                |              |
| L120       | 100       | Currency Code  | O          | ID          | 3/3            | Used         |
|            |           | <b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified  |            |             |                |              |

## Syntax Rules:

1. P0203 - If either L102 or L103 is present, then the other is required.
2. R040506 - At least one of L104, L105 or L106 is required.
3. P1415 - If either L114 or L115 is present, then the other is required.
4. P1718 - If either L117 or L118 is present, then the other is required.

## Semantics:

1. L119 is the percent used to determine the charge in L104.
2. L120, if used, indicates the currency for all monetary amounts in this L1 segment.
3. L121 is the origin rated as charge amount.

# CUR Currency

|                    |              |
|--------------------|--------------|
| Pos: 040           | Max: 1       |
| Summary - Optional |              |
| Loop: L1           | Elements: 21 |

**User Option (Usage):** Used

**Purpose:** To specify the currency (dollars, pounds, francs, etc.) used in a transaction

## 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> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| CUR01      | 98        | <b>Entity Identifier Code</b>   | M          | ID          | 2/3            | Must use     |
|            |           | <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual   |            |             |                |              |
|            |           | <b>All valid standard codes are used. (Total Codes: 1312)</b>   |            |             |                |              |
| CUR02      | 100       | <b>Currency Code</b>  | M          | ID          | 3/3            | Must use     |
|            |           | <b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified   |            |             |                |              |
| CUR03      | 280       | <b>Exchange Rate</b>  | O          | R           | 4/10           | Used         |
|            |           | <b>Description:</b> Value to be used as a multiplier conversion factor to convert monetary value from one currency to another   |            |             |                |              |
| CUR04      | 98        | <b>Entity Identifier Code</b>   | O          | ID          | 2/3            | Used         |
|            |           | <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual   |            |             |                |              |
|            |           | <b>All valid standard codes are used. (Total Codes: 1312)</b>   |            |             |                |              |
| CUR05      | 100       | <b>Currency Code</b>  | O          | ID          | 3/3            | Used         |
|            |           | <b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified   |            |             |                |              |
| CUR06      | 669       | <b>Currency Market/Exchange Code</b>  | O          | ID          | 3/3            | Used         |
|            |           | <b>Description:</b> Code identifying the market upon which the currency exchange rate is based  |            |             |                |              |
|            |           | <b>All valid standard codes are used. (Total Codes: 6)</b>  |            |             |                |              |
| CUR07      | 374       | <b>Date/Time Qualifier</b>  | X          | ID          | 3/3            | Used         |
|            |           | <b>Description:</b> Code specifying type of date or time, or both date and time   |            |             |                |              |
|            |           | <b>All valid standard codes are used. (Total Codes: 1112)</b>   |            |             |                |              |
| CUR08      | 373       | <b>Date</b>   | O          | DT          | 8/8            | Used         |
|            |           | <b>Description:</b> Date expressed as CCYYMMDD  |            |             |                |              |
| CUR09      | 337       | <b>Time</b>   | O          | TM          | 4/8            | Used         |
|            |           | <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) |            |             |                |              |
| CUR10      | 374       | <b>Date/Time Qualifier</b>  | X          | ID          | 3/3            | Used         |
|            |           | <b>Description:</b> Code specifying type of date or time, or both date and time   |            |             |                |              |
|            |           | <b>All valid standard codes are used. (Total Codes: 1112)</b>   |            |             |                |              |
| CUR11      | 373       | <b>Date</b>   | X          | DT          | 8/8            | Used         |
|            |           | <b>Description:</b> Date expressed as CCYYMMDD  |            |             |                |              |

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u>   | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| CUR12      | 337       | <b>Time</b>   | X          | TM          | 4/8            | Used         |
|            |           | <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) |            |             |                |              |
| CUR13      | 374       | <b>Date/Time Qualifier</b>  | X          | ID          | 3/3            | Used         |
|            |           | <b>Description:</b> Code specifying type of date or time, or both date and time<br><b>All valid standard codes are used. (Total Codes: 1112)</b>  |            |             |                |              |
| CUR14      | 373       | <b>Date</b>   | X          | DT          | 8/8            | Used         |
|            |           | <b>Description:</b> Date expressed as CCYYMMDD  |            |             |                |              |
| CUR15      | 337       | <b>Time</b>   | X          | TM          | 4/8            | Used         |
|            |           | <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) |            |             |                |              |
| CUR16      | 374       | <b>Date/Time Qualifier</b>  | X          | ID          | 3/3            | Used         |
|            |           | <b>Description:</b> Code specifying type of date or time, or both date and time<br><b>All valid standard codes are used. (Total Codes: 1112)</b>  |            |             |                |              |
| CUR17      | 373       | <b>Date</b>   | X          | DT          | 8/8            | Used         |
|            |           | <b>Description:</b> Date expressed as CCYYMMDD  |            |             |                |              |
| CUR18      | 337       | <b>Time</b>   | X          | TM          | 4/8            | Used         |
|            |           | <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) |            |             |                |              |
| CUR19      | 374       | <b>Date/Time Qualifier</b>  | X          | ID          | 3/3            | Used         |
|            |           | <b>Description:</b> Code specifying type of date or time, or both date and time<br><b>All valid standard codes are used. (Total Codes: 1112)</b>  |            |             |                |              |
| CUR20      | 373       | <b>Date</b>   | X          | DT          | 8/8            | Used         |
|            |           | <b>Description:</b> Date expressed as CCYYMMDD  |            |             |                |              |
| CUR21      | 337       | <b>Time</b>   | X          | TM          | 4/8            | Used         |
|            |           | <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) |            |             |                |              |

### Syntax Rules:

1. C0807 - If CUR08 is present, then CUR07 is required.
2. C0907 - If CUR09 is present, then CUR07 is required.
3. L101112 - If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4. C1110 - If CUR11 is present, then CUR10 is required.
5. C1210 - If CUR12 is present, then CUR10 is required.

6. L131415 - If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7. C1413 - If CUR14 is present, then CUR13 is required.
8. C1513 - If CUR15 is present, then CUR13 is required.
9. L161718 - If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10. C1716 - If CUR17 is present, then CUR16 is required.
11. C1816 - If CUR18 is present, then CUR16 is required.
12. L192021 - If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13. C2019 - If CUR20 is present, then CUR19 is required.
14. C2119 - If CUR21 is present, then CUR19 is required.

# SE Transaction Set Trailer

|                     |             |
|---------------------|-------------|
| Pos: 080            | Max: 1      |
| Summary - Mandatory |             |
| Loop: N/A           | Elements: 2 |

**User Option (Usage):** Must use

**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        | <b>Number of Included Segments</b>  | M          | N0          | 1/10           | Must use     |
|            |           | <b>Description:</b> Total number of segments included in a transaction set including ST and SE segments   |            |             |                |              |
| SE02       | 329       | <b>Transaction Set Control Number</b>   | M          | AN          | 4/9            | Must use     |
|            |           | <b>Description:</b> 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        | <b>Number of Transaction Sets Included</b>   | M          | N0          | 1/6            | Must use     |
|            |           | <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 |            |             |                |              |
| GE02       | 28        | <b>Group Control Number</b>  | M          | N0          | 1/9            | Must use     |
|            |           | <b>Description:</b> 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.

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



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LH2\*P  
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N3\*182 Gui Hua Village, Guanlan Town  
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N1\*16\*PLANTLocName\*93\*8001  
N3\*123 Zachary Ln N\*PLANT STREET  
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N1\*SF\*Honeywell Japan NRS Chiba\*93\*116MIN  
N3\*1-16-1 Kaigan  
N4\*Minato-Ku, Tokyo\*13\*1050022\*JP  
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N1\*N1\*NOTIFY1Name\*93\*1007  
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N9\*IL\*6913649  
N9\*6A\*O  
N9\*19\*3035  
N9\*2P\*50  
N9\*SO\*0002199491  
N9\*A6\*customercontact@customer.com  
N9\*CO\*4500214963  
N9\*CR\*C8386362  
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N1\*ST\*IJEN PAPER PRODUCTS CO., LTD\*93\*0005003739  
N3\*BAI YE ROAD  
N4\*DONGGUAN\*44\*523416\*CN  
N1\*UC\*ULTCONName\*93\*9001

N3\*123 Ultimate Consignee Street  
N4\*Denver\*CO\*80123\*US  
N1\*N1\*NOTIFY1Name\*93\*1007  
N3\*123 Notify1 Street  
N4\*CHICAGO\*IL\*60603\*US  
N1\*N2\*NOTIFY2Name\*93\*1002  
N3\*123 Notify2 Street  
N4\*MIAMI\*FL\*33125\*US  
N1\*SD\*SOLDToName\*93\*1003  
N3\*123 Sold To Street  
N4\*MADISON\*WI\*53711\*US  
N1\*EX\*EXPORTName\*93\*1004  
N3\*123 Export Street  
N4\*Seattle\*WA\*98106\*US  
N1\*SU\*SUPPName\*93\*1009  
N3\*123 Supplier Street  
N4\*Whitefish\*MT\*59937\*US  
N1\*16\*PLANTLocName\*93\*8001  
N3\*123 Zachary Ln N\*PLANT STREET  
N4\*Minneapolis\*MN\*55441\*US  
N1\*SF\*Ice Mountain Water\*93\*IMW001  
N3\*19275 8 Mile Rd  
N4\*Stanwood\*MI\*49346\*US  
R4\*R\*UN\*USQTD\*Ice Mountain Water\*US  
R4\*L\*IA\*ORD\*OHare International Airp\*US  
R4\*D\*IA\*PVG\*PVG - Shanghai China Int\*CN  
R4\*E\*IA\*PVG\*PVG - Shanghai China Int\*CN  
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