



EDI Specifications

Version 4010 / Transaction Set 210

Carrier LTL Shipments

210

Motor Carrier Freight Details and Invoice

Functional Group=**IM**

This Draft Standard for use contains the format and establishes the data contents of the Motor Carrier Freight Details and Invoice Transaction Set (210) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide detail information for charges for services rendered by a motor carrier. It is used both as a motor carrier invoice to request payment or as details pertaining to motor freight shipment(s) charges.

Segments:

| <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 | | | Used |
| | GS | Functional Group Header | M | 1 | | | Used |

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 | B3 | Beginning Segment for Carrier's Invoice | M | 1 | | | Must use |
| 040 | C3 | Currency | M | 1 | | | Must use |
| 060 | N9 | Reference Identification | O | | | | |
| 070 | G62 | Date/Time | O | 6 | | | Used |
| 080 | R3 | Route Information | O | 12 | | | Used |
| 080 | H3 | Special Handling Instructions | O | 6 | | | Used |
| 100 | K1 | Remarks | O | 10 | | | Used |

LOOP ID - 0100

10

| | | | | | | | |
|-----|----|--------------------------|---|---|--|--|------|
| 110 | N1 | Name | M | 1 | | | Used |
| 130 | N3 | Address Information | M | 2 | | | Used |
| 140 | N4 | Geographic Location | M | 1 | | | Used |
| 160 | N7 | Equipment Details | O | 1 | | | |
| 150 | N9 | Reference Identification | O | 5 | | | 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> |
|------------|-----------|---------------------|------------|----------------|---------------|--------------|--------------|
|------------|-----------|---------------------|------------|----------------|---------------|--------------|--------------|

LOOP ID - 0400

9999

| | | | | | | | |
|-----|-----|---------------------------------|---|----|--|--|------|
| 120 | LX | Assigned Number | M | 1 | | | Used |
| 137 | POD | Proof Of Delivery | O | 1 | | | Used |
| 140 | L5 | Description, Marks and Numbers | M | 30 | | | Used |
| 170 | L0 | Line Item - Quantity and Weight | O | 10 | | | Used |
| 180 | L1 | Rate and Charges | O | 10 | | | Used |
| 200 | L7 | Tariff Reference | M | 10 | | | Used |
| 210 | K1 | Remarks | O | 10 | | | 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> |
|------------|-----------|-----------------------------|------------|----------------|---------------|--------------|--------------|
| 010 | L3 | Total Weight and Charges | M | 1 | | | Used |
| 020 | SE | Transaction Set Trailer | M | 1 | | | Used |
| | GE | Functional Group Trailer | M | 1 | | | Used |
| | IEA | Interchange Control Trailer | M | 1 | | | Used |

ISA Interchange Control Header

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

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

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| ISA01 | I01 | Authorization Information Qualifier Description: Code to identify the type of information in the Authorization Information <u>Code Name</u> 00 No Authorization Information Present (No Meaningful Information in I02) | M | ID | 2/2 | Must use |
| ISA02 | I02 | Authorization Information Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01) | M | AN | 10/10 | Must use |
| ISA03 | I03 | Security Information Qualifier Description: Code to identify the type of information in the Security Information <u>Code Name</u> 00 No Security Information Present (No Meaningful Information in I04) | M | ID | 2/2 | Must use |
| ISA04 | I04 | Security Information Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03) | M | AN | 10/10 | Must use |
| ISA05 | I05 | Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <u>Code Name</u> 02 Carrier SCAC (Standard Carrier Alpha Code) | M | ID | 2/2 | Must use |
| ISA06 | I06 | Interchange Sender ID Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element User Note 1: CARRIER SCAC CODE | M | AN | 15/15 | Must use |
| ISA07 | I05 | Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <u>Code Name</u> ZZ Mutually Defined | M | ID | 2/2 | Must use |
| ISA08 | I07 | Interchange Receiver ID Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them | M | AN | 15/15 | Must use |

Motor Carrier Freight Details and Invoice - 210

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> | | | | |
|-------------|--|--|-------------|-------------|----------------|--|--|--|--|--|
| | | User Note 1: Receiver ID | | | | | | | | |
| ISA09 | I08 | Interchange Date Description: Date of the interchange | M | DT | 6/6 | Must use | | | | |
| ISA10 | I09 | Interchange Time Description: Time of the interchange | M | TM | 4/4 | Must use | | | | |
| ISA11 | I10 | Interchange Control Standards Identifier Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer All valid standard codes are used. | M | ID | 1/1 | Must use | | | | |
| ISA12 | I11 | Interchange Control Version Number Description: This version number covers the interchange control segments | M | ID | 5/5 | Must use | | | | |
| | | <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>00401</td> <td>Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997</td> </tr> </tbody> </table> | <u>Code</u> | <u>Name</u> | 00401 | Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997 | | | | |
| <u>Code</u> | <u>Name</u> | | | | | | | | | |
| 00401 | Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997 | | | | | | | | | |
| ISA13 | I12 | Interchange Control Number Description: A control number assigned by the interchange sender | M | N0 | 9/9 | Must use | | | | |
| ISA14 | I13 | Acknowledgment Requested Description: Code sent by the sender to request an interchange acknowledgment (TA1) | M | ID | 1/1 | Must use | | | | |
| | | <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>0</td> <td>No Acknowledgment Requested</td> </tr> </tbody> </table> | <u>Code</u> | <u>Name</u> | 0 | No Acknowledgment Requested | | | | |
| <u>Code</u> | <u>Name</u> | | | | | | | | | |
| 0 | No Acknowledgment Requested | | | | | | | | | |
| ISA15 | I14 | Usage Indicator Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information | M | ID | 1/1 | Must use | | | | |
| | | <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>P</td> <td>Production Data</td> </tr> </tbody> </table> | <u>Code</u> | <u>Name</u> | P | Production Data | | | | |
| <u>Code</u> | <u>Name</u> | | | | | | | | | |
| P | Production Data | | | | | | | | | |
| ISA16 | I15 | Component Element Separator Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator | M | | 1/1 | Must use | | | | |

GS**Functional Group Header**

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

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

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| GS01 | 479 | Functional Identifier Code Description: Code identifying a group of application related transaction sets <u>Code Name</u> IM Motor Carrier Freight Details and Invoice (210, 980) | M | ID | 2/2 | Must use |
| GS02 | 142 | Application Sender's Code Description: Code identifying party sending transmission; codes agreed to by trading partners User Note 1: CARRIER SCAC CODE | M | AN | 2/15 | Must use |
| GS03 | 124 | Application Receiver's Code Description: Code identifying party receiving transmission. Codes agreed to by trading partners User Note 1: RECEIVER ID | M | AN | 2/15 | Must use |
| GS04 | 373 | Date Description: Date expressed as CCYYMMDD | M | DT | 8/8 | Must use |
| GS05 | 337 | Time 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) | M | TM | 4/8 | Must use |
| GS06 | 28 | Group Control Number Description: Assigned number originated and maintained by the sender | M | N0 | 1/9 | Must use |
| GS07 | 455 | Responsible Agency Code Description: Code used in conjunction with Data Element 480 to identify the issuer of the standard <u>Code Name</u> X Accredited Standards Committee X12 | M | ID | 1/2 | Must use |
| GS08 | 480 | Version / Release / Industry Identifier Code Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed <u>Code Name</u> 004010 Draft Standards Approved for Publication by ASC X12 | M | AN | 1/12 | Must use |

Motor Carrier Freight Details and Invoice - 210

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| | | Procedures Review Board through October 1997 | | | | |

Semantics:

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

Comments:

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

ST Transaction Set Header

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

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

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| ST01 | 143 | Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set | M | ID | 3/3 | Must use |
| | | <u>Code Name</u> 210 Motor Carrier Freight Details and Invoice | | | | |
| ST02 | 329 | Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | M | AN | 4/9 | Must use |

Semantics:

- 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).

B3

Beginning Segment for Carrier's Invoice

| | |
|---------------------|-------------|
| Pos: 020 | Max: 1 |
| Heading - Mandatory | |
| Loop: N/A | Elements: 9 |

To transmit basic data relating to the carrier's invoice

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> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| B302 | 76 | Invoice Number Description: Identifying number assigned by issuer | M | AN | 1/22 | Must use |
| B303 | 145 | Shipment Identification Number Description: Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters) User Note 1: Bill of Lading Number | M | AN | 1/30 | Used |
| B304 | 146 | Shipment Method of Payment Description: Code identifying payment terms for transportation charges <u>Code Name</u> CC Collect PP Prepaid (by Seller) | M | ID | 2/2 | Must use |
| B305 | 188 | Weight Unit Code Description: Code specifying the weight unit <u>Code Name</u> L Pounds | O | ID | 1/1 | Used |
| B306 | 373 | Date Description: Date expressed as CCYYMMDD | M | DT | 8/8 | Must use |
| B307 | 193 | Net Amount Due Description: Total charges to be paid by the receiver of this transaction set expressed in the standard monetary denomination for the currency specified | M | N2 | 1/12 | Must use |
| B309 | 32 | Delivery Date Description: Date for delivery of cargo to final consignee or to next mode expressed in format CCYYMMDD | C | DT | 8/8 | Used |
| B310 | 374 | Date/Time Qualifier Description: Code specifying type of date or time, or both date and time <u>Code Name</u> 017 Estimated Delivery 035 Delivered | C | ID | 3/3 | Used |
| B311 | 140 | Standard Carrier Alpha Code Description: Standard Carrier Alpha Code User Note 1: CARRIER SCAC CODE | M | ID | 2/4 | Must use |

Syntax:

1. B309 P0910 -- If either B309 or B310 are present, then the others are required.

Semantics:

1. B306 is the billing date.
2. On collect freight bills the data in B309 will be the actual delivery date. For the shipments invoiced prior to delivery, the B309 will be the estimated date of delivery.
3. If B314 is used, B304 will indicate the party or parties responsible for payment of the transportation terms identified in B314.

Segment: C3 Currency**Position:** 040**Loop:****Level:** Heading**Usage:** Mandatory**Max Use:** 1**Purpose:** To specify the currency being used in the transaction set**Syntax Notes:****Semantic Notes:**

1 C301 is the billing currency.

2 C303 is the payment currency.

3 C304 is the rated currency.

Comments: 1 Currency is implied by the code for the country in whose currency the monetary amounts are specified.**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> |
|------------|-----------|---|------------|----------------|----------------|--------------|
| C301 | 100 | Currency Code | M | ID | 3/3 | Used |
| | | Code (Standard ISO) for country in whose currency the charges are specified | | | | |
| | | Currency Code | | Country | | |
| | | AFA | | Afghanistan | | |
| | | AUD | | Australia | | |
| | | EUR | | Belgium | | |
| | | BRL | | Brazil | | |
| | | CAD | | Canada | | |
| | | CNY | | China | | |
| | | CUP | | Cuba | | |
| | | EGP | | Egypt | | |
| | | EUR | | France | | |
| | | EUR | | Germany | | |
| | | EUR | | Greece | | |
| | | HKD | | Hong Kong | | |
| | | INR | | India | | |
| | | EUR | | Ireland | | |
| | | EUR | | Italy | | |
| | | JPY | | Japan | | |
| | | MXN | | Mexico | | |
| | | EUR | | Netherlands | | |
| | | PHP | | Philippines | | |
| | | USD | | Puerto Rico | | |
| | | EUR | | Spain | | |
| | | USD | | United States | | |

Segment: N9 Reference Identification

Position: 060

Loop:

Level: Heading

Usage: Optional

Max Use: 300

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

- Syntax Notes:**
- 1 At least one of N902 or N903 is required.
 - 2 If N906 is present, then N905 is required.
 - 3 If either C04003 or C04004 is present, then the other is required.
 - 4 If either C04005 or C04006 is present, then the other is required.

- Semantic Notes:**
- 1 N906 reflects the time zone which the time reflects.
 - 2 N907 contains data relating to the value cited in N902.

Comments:

Data Element Summary

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| N901 | 128 | Reference Identification Qualifier | M | ID | 2/3 | Used |
| | | Code qualifying the Reference Identification | | | | |
| | | <u>Code</u> <u>NAME</u> | | | | |
| | | PO PO Number | | | | |
| | | BM BOL Number | | | | |
| | | DO Delivery Order Number – V Number | | | | |
| | | 11 Account Number | | | | |
| | | *Note: The BOL Number is required either in this header N9 segment with qualifier ‘BM’ or in the B303. | | | | |
| N902 | 127 | Reference Identification | M | AN | 1/30 | Used |

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

G62

Date/Time

| | |
|--------------------|-------------|
| Pos: 070 | Max: 6 |
| Heading - Optional | |
| Loop: N/A | Elements: 2 |

To specify pertinent dates and times

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| G6201 | 432 | Date Qualifier Description: Code specifying type of date | M | ID | 2/2 | Used |
| | | <u>Code</u> <u>Name</u> | | | | |
| | | 11 Shipped on This Date | | | | |
| | | 86 Actual Pickup Date | | | | |
| G6202 | 373 | Date Description: Date expressed as CCYYMMDD | C | DT | 8/8 | Used |

Syntax:

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

R3 Route Information - Motor

| | |
|--------------------|-------------|
| Pos: 080 | Max: 12 |
| Heading - Optional | |
| Loop: N/A | Elements: 4 |

To specify carrier and routing sequences and details

Element Summary:

| | <u>Ref.</u> | <u>Data</u> | <u>Element Name</u> | <u>Attributes</u> |
|---|-------------|-------------|--|-------------------|
| M | R301 | 140 | Standard Carrier Alpha Code Standard Carrier Alpha Code | M ID 2/4 |
| M | R302 | 133 | Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement. | M ID 1/2 |
| | | | <u>Code</u> <u>Description</u> | |
| | | | 1 1 st Carrier after Origin Carrier | |
| M | R306 | 76 | Invoice Number Identifying number assigned by issuer | M AN 1/22 |
| M | R307 | 373 | Date Date expressed as CCYYMMDD | M DT 8/8 |

Semantic Notes 1 R307 is the carrier's billing date.

H3

Special Handling Instructions

| | |
|--------------------|-------------|
| Pos: 090 | Max: 6 |
| Heading - Optional | |
| Loop: N/A | Elements: 2 |

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> |
|------------|-----------|------------------------------|------------|-------------|----------------|--------------|
| H301 | 152 | Special Handling Code | M | AN | 2/3 | Must use |
| | | EXQ – Expedite Service | | | | |
| | | EP - Expedite | | | | |
| | | PR – Primetime | | | | |
| H302 | 153 | Special Handling Description | O | AN | 2/30 | Used |

K1

Remarks

| | |
|--------------------|-------------|
| Pos: 100 | Max: 10 |
| Heading - Optional | |
| Loop: N/A | Elements: 2 |

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

N1

Name

| | |
|---------------------------|--------------------|
| Pos: 110 | Max: 1 |
| Heading - Optional | |
| Loop: 0100 | Elements: 4 |

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

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| N101 | 98 | Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual <u>Code</u> <u>Name</u> BT Bill-To Party CN Consignee SH Shipper | M | ID | 2/3 | Must use |
| N102 | 93 | Name Description: Free-form name | M | AN | 1/60 | Used |
| N103 | 66 | Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) <u>Code</u> <u>Name</u> 93 Code assigned by the organization originating the transaction set. | X | ID | 1 / 2 | Used |
| N104 | 67 | Identification Code Description: Code identifying a party or other code | X | AN | 2/80 | Used |

Syntax:

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

Comments:

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

N3

Address Information

| | |
|--------------------|-------------|
| Pos: 130 | Max: 2 |
| Heading - Optional | |
| Loop: 0100 | Elements: 1 |

To specify the location of the named party

Element Summary:

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

N4**Geographic Location**

| | |
|---------------------------|--------------------|
| Pos: 140 | Max: 1 |
| Heading - Optional | |
| Loop: 0100 | Elements: 4 |

To specify the geographic place of the named party

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|----------------|----------------|--------------|
| N401 | 19 | City Name Description: Free-form text for city name | M | AN | 2/30 | Used |
| N402 | 156 | State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency | M | ID | 2/2 | Used |
| N403 | 116 | Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | M | ID | 3/15 | Used |
| N404 | | Country Code Description: Code identifying the country | M | AN | 2/3 | Used |
| | | Country Code | | Country | | |
| | | CA | | Canada | | |
| | | CN | | China | | |
| | | DE | | Germany | | |
| | | GR | | Greece | | |
| | | HK | | Hong Kong | | |
| | | JP | | Japan | | |
| | | MX | | Mexico | | |
| | | PH | | Philippines | | |
| | | PR | | Puerto Rico | | |
| | | US | | United States | | |

Syntax:

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

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

N7 Equipment Details

| | |
|---------------------------|--------------------|
| Pos: 160 | Max: 1 |
| Heading - Optional | |
| Loop: 0200 | Elements: 5 |

Purpose: To identify the equipment

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> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| N701 | 206 | Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number | O | AN | 1/4 | Used |
| N702 | 207 | Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) | M | AN | 1/10 | Used |
| N711 | 40 | Equipment Description Code Code identifying type of equipment used for shipment | O | ID | 2/2 | Used |
| N712 | 140 | Standard Carrier Alpha Code Standard Carrier Alpha Code | O | ID | 2/4 | Used |
| N715 | 567 | Equipment Length Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11) | O | N0 | 4/5 | Used |

- Syntax Notes:**
- 1 If either N703 or N704 is present, then the other is required.
 - 2 If either N705 or N716 is present, then the other is required.
 - 3 If either N708 or N709 is present, then the other is required.

- Semantic Notes:**
- 1 N712 is the owner of the equipment.
 - 2 N723 is the operator or carrier of the rights of the equipment.

- Comments:**
- 1 N701 is mandatory for rail transactions.
 - 2 N720 and N721 are expressed in inches.

N9 Reference Identification

| | |
|--------------------|-------------|
| Pos: 150 | Max: 5 |
| Heading - Optional | |
| Loop: 0100 | Elements: 2 |

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 Description: Code qualifying the Reference Identification | M | ID | 2/3 | Must use |
| | | Code Name | | | | |
| | | BM Bill of Lading Number | | | | |
| | | PO Purchase Order Number | | | | |
| | | DO Delivery Order Number – V Number | | | | |
| | | 11 Account Number | | | | |
| | | ST Store Number | | | | |
| | | LU Location Number | | | | |
| | | DP Department Number | | | | |
| N902 | 127 | Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | M | AN | 1/30 | Used |

Syntax:

1. N902 R0203 -- At least one of N902 or N903 is required.
2. N906 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.

LX

Assigned Number

| | |
|--------------------|-------------|
| Pos: 120 | Max: 1 |
| Detail - Mandatory | |
| Loop: 0400 | Elements: 1 |

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 Description: Number assigned for differentiation within a transaction set | M | N0 | 1/6 | Must use |

POD Proof of Delivery

| | |
|--------------------------|--------------------|
| Pos: 137 | Max: 1 |
| Detail - Optional | |
| Loop: 0400 | Elements: 3 |

Position: 137
Loop: 0400 Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To provide proof of delivery
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|-------------|--|-------------------|
| M | POD01 | 373 | Date Date expressed as CCYYMMDD | M DT 8/8 |
| | POD02 | 337 | Time 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) | O TM 4/8 |
| M | POD03 | 93 | Name Free-form name | M AN 1/60 |

L5**Description, Marks and Numbers**

| | |
|--------------------|-------------|
| Pos: 140 | Max: 30 |
| Detail - Mandatory | |
| Loop: 0400 | Elements: 2 |

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 | Lading Line Item Number Description: Sequential line number for a lading item | M | N0 | 1/3 | Used |
| L502 | 79 | Lading Description Description: Description of an item as required for rating and billing purposes | M | AN | 1/50 | Used |

Syntax:

1. L503 P0304 -- If either L503 or L504 are present, then the others are required.
2. L507 C0706 -- If L507 is present, then L506 is required
3. L508 P0809 -- If either L508 or L509 are present, then the others are required.

Comments:

1. L502 may be used to send quantity information as part of the product description.

L0

Line Item - Quantity and Weight

| | |
|-------------------|-------------|
| Pos: 170 | Max: 10 |
| Detail - Optional | |
| Loop: 0400 | Elements: 8 |

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 | Lading Line Item Number Description: Sequential line number for a lading item | O | N0 | 1/3 | Used |
| L002 | 220 | Billed/Rated-as Quantity Description: Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81 | C | R | 1/11 | Used |
| L003 | 221 | Billed/Rated-as Qualifier Description: Code identifying the type of quantity or value on which the rate or item pricing is based <u>Code Name</u> LC 100 Pounds | C | ID | 2/2 | Used |
| L004 | 81 | Weight Description: Numeric value of weight | C | R | 1/10 | Used |
| L005 | 187 | Weight Qualifier Description: Code defining the type of weight <u>Code Name</u> G Gross Weight | C | ID | 1/2 | Used |
| L008 | 80 | Lading Quantity Description: Number of units (pieces) of the lading commodity | C | N0 | 1/7 | Used |
| L009 | 211 | Packaging Form Code Description: Code for packaging form of the lading quantity <u>Code Name</u> PCS Pieces | C | ID | 3/3 | Used |
| L011 | 188 | Weight Unit Code Description: Code specifying the weight unit <u>Code Name</u> L Pounds | O | ID | 1/1 | Used |

Syntax:

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

Motor Carrier Freight Details and Invoice - 210

Semantics:

1. L008 is the number of handling units of the line item tendered to the carrier.
2. L013 can only be used if the code in L009 is PLT, SKD, or SLP.
3. L015 designates whether the carrier will be required to verify the number of units contained on a pallet, slip sheet or skid. Code "Y" indicates that the carrier will be required to verify. Code "N" indicates that the carrier will not be required to verify.

Comments:

1. L013 is used to convey the total number of boxes, cartons, or pieces contained on a pallet, skid, or slip sheet for the line item.

L1 Rate and Charges

| | |
|-------------------|-------------|
| Pos: 180 | Max: 10 |
| Detail - Optional | |
| Loop: 0400 | Elements: 6 |

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 Description: Sequential line number for a lading item | O | N0 | 1/3 | Used |
| L102 | 60 | Freight Rate Description: Rate that applies to the specific commodity | C | R | 1/9 | Used |
| L103 | 122 | Rate/Value Qualifier Description: Code qualifying how to extend charges or interpret value <u>Code Name</u> CT Charge or Credit Based on Percentage of Total MN Minimum PH Per Hundred (of Basic Unit) SY Square Yards | C | ID | 2/2 | Used |
| L104 | 58 | Charge Description: 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 | C | N2 | 1/12 | Used |
| L108 | 150 | Special Charge or Allowance Code Description: Code identifying type of special charge or allowance User Note 1: DO NOT TRANSMIT MINIMUM CODE IN THIS ELEMENT. MN MUST BE IN L103. <u>Code Name</u> 420 Hazardous Materials Handling Fee - Domestic COL Fee for Collecting COD Charge DIV Diversion and Reconsignment DSC Discount DTB Detention (Labor) DTU Detention Unloading DTV Detention (Vehicle) FUE Fuel Charge HZC Hazardous Materials Surcharge Charge IDL Inside Delivery LDG Loading LFT Lift Gate (Truck) or Forklift Service at Pick-up/Delivery SAT Saturday Pick-up or Delivery Charge UNL Lumper Fee DAA Deficit Weight | O | ID | 3/3 | Used |
| L112 | 276 | Special Charge Description Description: Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150 | O | AN | 2/25 | Used |

Syntax:

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

L7**Tariff Reference**

| | |
|---------------------------|--------------------|
| Pos: 200 | Max: 10 |
| Detail - Mandatory | |
| Loop: 0400 | Elements: 2 |

To reference details of the tariff used to arrive at applicable rates or charge

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> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| L701 | 213 | Lading Line Item Number Description: Sequential line number for a lading item | O | N0 | 1/3 | Used |
| L707 | 59 | Freight Class Code Description: Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc. User Note 1: MUST INCLUDE THE NMF CLASSIFICATION CLASS NUMBER Code Name DEF Deficit Weight | M | AN | 2/5 | Used |

Semantics:

1. L710 is the effective date.
2. In L715 and L716, "City" and "State" are used for rate combination city and state.

Comments:

Do not send this segment for accessorial charges.

K1

Remarks

| | |
|--------------------------|--------------------|
| Pos: 210 | Max: 10 |
| Detail - Optional | |
| Loop: 0400 | Elements: 2 |

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

L3**Total Weight and Charges**

| | |
|----------------------------|--------------------|
| Pos: 010 | Max: 1 |
| Summary - Mandatory | |
| Loop: N/A | Elements: 4 |

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 | Weight Description: Numeric value of weight | C | R | 1/10 | Used |
| L302 | 187 | Weight Qualifier Description: Code defining the type of weight <u>Code Name</u> G Gross Weight | C | ID | 1/2 | Used |
| L305 | 58 | Charge Description: 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 | M | N2 | 1/12 | Used |
| L311 | 80 | Lading Quantity Description: Number of units (pieces) of the lading commodity | O | N0 | 1/7 | Used |

Syntax:

1. L301 P0102 -- If either L301 or L302 are present, then the others are required.
2. L303 P0304 -- If either L303 or L304 are present, then the others are required.
3. L309 P0910 -- If either L309 or L310 are present, then the others are required.
4. L312 C1201 -- If L312 is present, then L301 is required
5. L314 P1415 -- If either L314 or L315 are present, then the others are required.

Semantics:

1. L305 is the total charges.

SE**Transaction Set Trailer**

| | |
|----------------------------|--------------------|
| Pos: 020 | Max: 1 |
| Summary - Mandatory | |
| Loop: N/A | Elements: 2 |

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

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

Comments:

- SE is the last segment of each transaction set.

GE**Functional Group Trailer**

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

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

Element Summary:

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

Semantics:

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

Comments:

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

IEA**Interchange Control Trailer**

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

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

Element Summary:

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