

219 Logistics Service Request

Functional Group ID=**AB**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Logistics Service Request Transaction Set (219) for use within the context of an Electronic Data Interchange (EDI) environment. This set can be used by a shipper to transmit data to a logistics related organization to provide order detail relevant to upcoming transportation requirements.

Heading:

| Page No. | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|----------------|----------|---------|--|-----------|---------|-------------|--------------------|
| 3 | 010 | ST | Transaction Set Header | M | 1 | | |
| 4 | 020 | B9 | Beginning Segment for Logistics Services | M | 1 | | |
| 5 | 030 | B9A | Service Request | M | 7 | | |
| 6 | 040 | L11 | Business Instructions and Reference Number | O | 99 | | |
| 7 | 050 | MS3 | Interline Information | O | 99 | | |
| 8 | 060 | ITA | Allowance, Charge or Service | O | 20 | | |
| 9 | 070 | NTE | Note/Special Instruction | O | 10 | | |
| LOOP ID - 1000 | | | | | | 99 | |
| 10 | 080 | N7 | Equipment Details | O | 1 | | |

Detail:

| Page No. | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|----------------|----------|---------|--|-----------|---------|-------------|--------------------|
| LOOP ID - 2000 | | | | | | 99 | |
| 11 | 010 | S5 | Stop-off Details | O | 1 | | n1 |
| 12 | 020 | G62 | Date/Time | O | 2 | | |
| LOOP ID - 2100 | | | | | | 1 | |
| 13 | 050 | N1 | Name | O | 1 | | |
| 14 | 060 | N2 | Additional Name Information | O | 1 | | |
| 15 | 070 | N3 | Address Information | O | 2 | | |
| 16 | 080 | N4 | Geographic Location | O | 1 | | |
| 17 | 090 | PER | Administrative Communications Contact | O | 3 | | |
| LOOP ID - 2300 | | | | | | 999 | |
| 18 | 200 | LX | Assigned Number | O | 1 | | n2 |
| 19 | 210 | LCT | Logistics Container Tracking Information | O | 1 | | |
| 20 | 240 | AMT | Monetary Amount | O | 1 | | |
| 21 | 250 | CUR | Currency | O | 1 | | |
| LOOP ID - 2370 | | | | | | 999 | |
| 22 | 370 | LAD | Lading Detail | O | 1 | | n3 |
| 24 | 380 | PO4 | Item Physical Details | O | 1 | | |
| 26 | 390 | G69 | Line Item Detail - Description | O | 99 | | |
| 27 | 400 | AT5 | Bill of Lading Handling Requirements | O | 6 | | |
| 28 | 430 | L11 | Business Instructions and Reference Number | O | 10 | | |
| LOOP ID - 2375 | | | | | | 99 | |
| 29 | 450 | G61 | Contact | O | 1 | | n4 |

| | | | | | | |
|----------------|-----|-----|--------------------------------------|---|----|----|
| 30 | 470 | LH6 | Hazardous Certification | O | 6 | |
| LOOP ID - 2378 | | | | | | 25 |
| 31 | 480 | LH1 | Hazardous Identification Information | O | 1 | |
| 32 | 490 | LH2 | Hazardous Classification Information | O | 4 | |
| 33 | 500 | LH3 | Hazardous Material Shipping Name | O | 10 | |

Summary:

| <u>Page No.</u> | <u>Pos. No.</u> | <u>Seg. ID</u> | <u>Name</u> | <u>Req. Des.</u> | <u>Max.Use</u> | <u>Loop Repeat</u> | <u>Notes and Comments</u> |
|-----------------|-----------------|----------------|--------------------------|------------------|----------------|--------------------|---------------------------|
| 34 | 010 | L3 | Total Weight and Charges | M | 1 | | |
| 35 | 020 | SE | Transaction Set Trailer | M | 1 | | |

Transaction Set Notes

1. The 2000 Loop defines pickup or delivery information for an order.
2. The 2300 Loop provides details for tracking containers within an order.
3. The 2370 Loop provides item details.
4. The 2375 Loop provides hazardous information associated with item information.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|--|-------------------|
| M | ST01 | 143 | Transaction Set Identifier Code Code uniquely identifying a Transaction Set Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 3/3 |
| M | ST02 | 329 | Transaction Set Control Number 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 |

Segment: **B9** Beginning Segment for Logistics Services
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a logistics service transaction set
Syntax Notes:
Semantic Notes: 1 B901 is the logistics identification number.
Comments:

Data Element Summary

| | Ref. | Data | Name | Attributes |
|---|-------------|----------------|--|-------------------|
| | Des. | Element | | |
| M | B901 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | M AN 1/30 |
| M | B902 | 353 | Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original 01 Cancellation 05 Replace 14 Advance Notification 16 Proposed | M ID 2/2 |
| | B903 | 146 | Shipment Method of Payment Code identifying payment terms for transportation charges CC Collect PP Prepaid (by Seller) | O ID 2/2 |

Segment: **B9A** Service Request
Position: 030
Loop:
Level: Heading
Usage: Mandatory
Max Use: 7
Purpose: To identify the specified logistics services requested
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

| | Ref. | Data | Name | Attributes |
|---|-------------|----------------|---|-------------------|
| | Des. | Element | | |
| M | B9A01 | 1644 | Service Request Code | M ID 2/2 |
| | | | Code indicating the type of logistics service requested | |
| | | | CT Contracted Services | |

Segment: **L11 Business Instructions and Reference Number**
Position: 040
Loop:
Level: Heading
Usage: Optional
Max Use: 99
Purpose: To specify instructions in this business relationship or a reference number
Syntax Notes:

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

Semantic Notes:
Comments:

Data Element Summary

| <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|----------------------------|-------------------------------|---|-------------------|
| L1101 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | X AN 1/30 |
| L1102 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification | X ID 2/3 |
| | | 2A Import License Number | |
| | | 5D Line of Credit Category | |
| | | 8X Transaction Category or Type | |
| | | IRN Importer's Reference Number to Letter of Credit Letter of credit reference number issued by buyer; cross-references the bank's letter of credit number, once assigned | |
| | | RU Route Number (Trade Lane) | |

Segment: **MS3** Interline Information
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: 99
Purpose: To identify the interline carrier and relevant data
Syntax Notes: 1 If MS305 is present, then MS303 is required.
Semantic Notes: 1 MS301 is the Standard Carrier Alpha Code (SCAC) of the interline carrier.
 2 MS303 is the city where the interline was performed.
Comments:

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|----------------------------|-------------------------------|--|-------------------|
| M | MS301 | 140 | Standard Carrier Alpha Code Standard Carrier Alpha Code | M ID 2/4 |
| M | MS302 | 133 | Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement B Origin/Delivery Carrier (Any Mode) | M ID 1/2 |
| | MS304 | 91 | Transportation Method/Type Code Code specifying the method or type of transportation for the shipment AF Air Freight H Customer Pickup J Motor O Containerized Ocean R Rail T Best Way (Shippers Option) | O ID 1/2 |

Segment: **ITA** Allowance, Charge or Service
Position: 060
Loop:
Level: Heading
Usage: Optional
Max Use: 20
Purpose: To specify allowances, charges, or services
Syntax Notes:

- 1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.
- 2 If ITA08 is present, then ITA09 is required.
- 3 If either ITA10 or ITA11 is present, then the other is required.
- 4 If ITA15 is present, then ITA02 is required.
- 5 If ITA17 is present, then ITA12 is required.

Semantic Notes:

- 1 ITA09 is the allowance or charge percent.
- 2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
- 3 ITA12 is the quantity of free goods.

Comments:

- 1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present.
- 2 ITA02 identifies the source of the code value in ITA03 or ITA15.
- 3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
- 4 ITA13 is used to clarify the allowance, charge, or service.
- 5 ITA15 specifies the individual code list of the agency specified in ITA02.
- 6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|----------------------------|-------------------------------|--|-------------------|
| M | ITA01 | 248 | Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified A Allowance C Charge N No Allowance or Charge | M ID 1/1 |
| | ITA03 | 560 | Special Services Code Code identifying the special service Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/10 |
| M | ITA04 | 331 | Allowance or Charge Method of Handling Code Code indicating method of handling for an allowance or charge CC Collect PP Prepaid | M ID 2/2 |
| | ITA07 | 360 | Allowance or Charge Total Amount Total dollar amount for the allowance or charge | O N2 1/15 |
| | ITA13 | 352 | Description A free-form description to clarify the related data elements and their content | X AN 1/80 |

Segment: **NTE** Note/Special Instruction
Position: 070
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Syntax Notes:
Semantic Notes:
Comments:

- 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Data Element Summary

| <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|------------------|---------------------|--|-------------------|
| NTE01 | 363 | Note Reference Code | O ID 3/3 |
| | | Code identifying the functional area or purpose for which the note applies | |
| | | CAJ Type of Business | |
| | | PRI Priority | |
| | | SPH Special Handling | |
| M | NTE02 | 352 Description | M AN 1/80 |
| | | A free-form description to clarify the related data elements and their content | |

Segment: **N7** Equipment Details
Position: 080
Loop: 1000 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify the equipment
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.

Data Element Summary

| Ref. | Data | Name | Attributes |
|--------------------|-----------------------|---|--------------------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
| M | N702 | 207 Equipment Number | M AN 1/10 |
| | | Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) | |
| | N711 | 40 Equipment Description Code | O ID 2/2 |
| | | Code identifying type of equipment used for shipment | |
| | | FT Flat Bed Trailer | |
| | | ST Removable Side Trailer | |
| | | TL Trailer (not otherwise specified) | |
| | | TV Truck, Van | |

Segment: **S5** Stop-off Details
Position: 010
Loop: 2000 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify stop-off detail reference numbers and stop reason
Syntax Notes: 1 If either S503 or S504 is present, then the other is required.
2 If either S505 or S506 is present, then the other is required.
3 If either S507 or S508 is present, then the other is required.
Semantic Notes: 1 S509 is the stop reason description.
Comments:

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|---|-------------------|
| M | S501 | 165 | Stop Sequence Number Identifying number for the specific stop and the sequence in which the stop is to be performed | M N0 1/3 |
| M | S502 | 163 | Stop Reason Code Code specifying the reason for the stop CN Consolidate DT Drop Trailer LD Load PA Pick-up Pre-loaded Equipment RT Retrieval of Trailer Carrier required to retrieve an empty trailer at a prearranged location following delivery of an export shipment TL Transload UL Unload | M ID 2/2 |
| | S503 | 81 | Weight Numeric value of weight | X R 1/10 |
| | S504 | 188 | Weight Unit Code Code specifying the weight unit Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/1 |
| | S505 | 382 | Number of Units Shipped Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set | X R 1/10 |
| | S506 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | S507 | 183 | Volume Value of volumetric measure | X R 1/8 |
| | S508 | 184 | Volume Unit Qualifier Code identifying the volume unit Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/1 |
| | S509 | 352 | Description A free-form description to clarify the related data elements and their content | O AN 1/80 |

Segment: G62 Date/Time
Position: 020
Loop: 2000 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify pertinent dates and times
Syntax Notes:

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

Semantic Notes:
Comments:

Data Element Summary

| <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|----------------------------|-------------------------------|--|-------------------|
| G6201 | 432 | Date Qualifier Code specifying type of date 10 Requested Ship Date/Pick-up Date 11 Shipped on This Date 17 Estimated Delivery Date 54 Deliver No Later Than Date 68 Requested Delivery Date 90 Requested Pack Date BF Pack Date The date when requested material was packaged | X ID 2/2 |
| G6202 | 373 | Date Date expressed as CCYYMMDD | X DT 8/8 |
| G6203 | 176 | Time Qualifier Code specifying the reported time W Effective Time | X ID 1/2 |
| G6204 | 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) | X TM 4/8 |
| G6205 | 623 | Time Code 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 Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |

Segment: **N1** Name
Position: 050
Loop: 2100 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

Data Element Summary

| Ref. | Data | Name | Attributes |
|-------------|----------------|---|-------------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
| M | N101 | 98 Entity Identifier Code | M ID 2/3 |
| | | Code identifying an organizational entity, a physical location, property or an individual | |
| | | 45 Drop-off Location | |
| | | 9C Country of Destination | |
| | | BT Bill-to-Party | |
| | | CN Consignee | |
| | | DT Destination Terminal | |
| | | EX Exporter | |
| | | OT Origin Terminal | |
| | | PW Pick Up Address | |
| | | SF Ship From | |
| | | ST Ship To | |
| | | SU Supplier/Manufacturer | |
| | | T4 Transfer Point | |
| | | A geographic location where a shipment is transferred or diverted to a new destination | |
| | | UC Ultimate Consignee | |
| N102 | 93 | Name | X AN 1/60 |
| | | Free-form name | |
| N103 | 66 | Identification Code Qualifier | X ID 1/2 |
| | | Code designating the system/method of code structure used for Identification Code (67) | |
| | | 1 D-U-N-S Number, Dun & Bradstreet | |
| | | 92 Assigned by Buyer or Buyer's Agent | |
| N104 | 67 | Identification Code | X AN 2/80 |
| | | Code identifying a party or other code | |

Segment: N2 Additional Name Information
Position: 060
Loop: 2100 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

| | Ref. | Data | | Attributes |
|---|-------------|----------------|------------------------|-------------------|
| | Des. | Element | Name | |
| M | N201 | 93 | Name Free-form name | M AN 1/60 |

Segment: N3 Address Information
Position: 070
Loop: 2100 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

| | Ref. | Data | Name | Attributes |
|---|-------------|----------------|---|-------------------|
| | Des. | Element | | |
| M | N301 | 166 | Address Information Address information | M AN 1/55 |
| | N302 | 166 | Address Information Address information | O AN 1/55 |

Segment: **N4 Geographic Location**
Position: 080
Loop: 2100 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|-------------|---|-------------------|
| N401 | 19 | City Name Free-form text for city name | O AN 2/30 |
| N402 | 156 | State or Province Code Code (Standard State/Province) as defined by appropriate government agency | O ID 2/2 |
| N403 | 116 | Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | O ID 3/15 |
| N404 | 26 | Country Code Code identifying the country | O ID 2/3 |
| N405 | 309 | Location Qualifier Code identifying type of location DE Destination (Shipping) UN United Nations Location Code (UNLOCODE) | X ID 1/2 |
| N406 | 310 | Location Identifier Code which identifies a specific location | O AN 1/30 |

Segment: **PER** Administrative Communications Contact
Position: 090
Loop: 2100 Optional
Level: Detail
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:

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

Semantic Notes:
Comments:

Data Element Summary

| Ref. | Data | Name | Attributes |
|-------------|----------------|--|-------------------|
| Des. | Element | Code | Code |
| M | PER01 | 366 Contact Function Code Code identifying the major duty or responsibility of the person or group named | M ID 2/2 |
| | | BD Buyer Name or Department | |
| | | EX Expeditor | |
| | | IC Information Contact | |
| | | SH Shipper Contact | |
| | PER02 | 93 Name Free-form name | O AN 1/60 |
| | PER03 | 365 Communication Number Qualifier Code identifying the type of communication number | X ID 2/2 |
| | | EM Electronic Mail | |
| | | TE Telephone | |
| | PER04 | 364 Communication Number Complete communications number including country or area code when applicable | X AN 1/80 |
| | PER05 | 365 Communication Number Qualifier Code identifying the type of communication number | X ID 2/2 |
| | | EM Electronic Mail | |
| | | TE Telephone | |
| | PER06 | 364 Communication Number Complete communications number including country or area code when applicable | X AN 1/80 |

Segment: LX Assigned Number
Position: 200
Loop: 2300 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|---------------------|-----------------------|---|-------------------|
| M | <u>Des.</u> LX01 | <u>Element</u> 554 | Assigned Number Number assigned for differentiation within a transaction set | M N0 1/6 |

Segment: **LCT** **Logistics Container Tracking Information**
Position: 210
Loop: 2300 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify the necessary information for tracking containers and identifying contents of containers
Syntax Notes:
 1 If either LCT04 or LCT05 is present, then the other is required.
 2 If LCT06 is present, then at least one of LCT07 LCT08 or LCT09 is required.
 3 If LCT07 is present, then LCT06 is required.
 4 If LCT08 is present, then LCT06 is required.
 5 If LCT09 is present, then LCT06 is required.
 6 If either LCT10 or LCT11 is present, then the other is required.
Semantic Notes:
 1 LCT01 is the container identification number.
 2 LCT12 should only be used when LCT02 is equal to PLT.
Comments:

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|--|-------------------|
| M | LCT01 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | M AN 1/30 |
| M | LCT02 | 211 | Packaging Form Code Code for packaging form of the lading quantity CNT Container WHE On Own Wheel | M ID 3/3 |
| | LCT03 | 352 | Description A free-form description to clarify the related data elements and their content | O AN 1/80 |
| | LCT04 | 188 | Weight Unit Code Code specifying the weight unit K Kilograms L Pounds | X ID 1/1 |
| | LCT05 | 395 | Unit Weight Numeric value of weight per unit | X R 1/8 |
| | LCT06 | 90 | Measurement Unit Qualifier Code specifying the linear dimensional unit Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/1 |
| | LCT07 | 82 | Length Largest horizontal dimension of an object measured when the object is in the upright position | X R 1/8 |
| | LCT08 | 189 | Width Shorter measurement of the two horizontal dimensions measured with the object in the upright position | X R 1/8 |
| | LCT09 | 65 | Height Vertical dimension of an object measured when the object is in the upright position | X R 1/8 |

Segment: **AMT** Monetary Amount
Position: 240
Loop: 2300 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|----------------------------|-------------------------------|---|-------------------|
| M | AMT01 | 522 | Amount Qualifier Code Code to qualify amount | M ID 1/3 |
| | | | ADM Expected Reimbursement Amount | |
| | | | JW Market Value | |
| | | | MF Administrative Fees | |
| | | | MZ Valuation Price | |
| | | | OE Miscellaneous Charges | |
| | | | OH Handling Charges | |
| | | | SU Surcharge | |
| | | | SZ Certification Fee | |
| | | | T Tax | |
| | | | TT Total Transaction Amount | |
| | | | TZ Transportation Cost Total | |
| | | | U3 Miscellaneous Expenses | |
| | | | XQ Value Added Tax | |
| M | AMT02 | 782 | Monetary Amount Monetary amount | M R 1/18 |
| | AMT03 | 478 | Credit/Debit Flag Code Code indicating whether amount is a credit or debit Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/1 |

Segment: **CUR** Currency

Position: 250

Loop: 2300 Optional

Level: Detail

Usage: Optional

Max Use: 1

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

Syntax Notes:

- 1 If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- 4 If CUR11 is present, then CUR10 is required.
- 5 If CUR12 is present, then CUR10 is required.
- 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- 7 If CUR14 is present, then CUR13 is required.
- 8 If CUR15 is present, then CUR13 is required.
- 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- 10 If CUR17 is present, then CUR16 is required.
- 11 If CUR18 is present, then CUR16 is required.
- 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- 13 If CUR20 is present, then CUR19 is required.
- 14 If CUR21 is present, then CUR19 is required.

Semantic Notes:

Comments:

- 1 See Figures Appendix for examples detailing the use of the CUR segment.

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|----------------------------|-------------------------------|---|-------------------|
| M | CUR01 | 98 | Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/3 |
| M | CUR02 | 100 | Currency Code Code (Standard ISO) for country in whose currency the charges are specified | M ID 3/3 |

Segment: **LAD** Lading Detail
Position: 370
Loop: 2370 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit detailed lading data pertinent to a pickup or delivery
Syntax Notes:

- 1 If either LAD01 or LAD02 is present, then the other is required.
- 2 If either LAD03 or LAD04 is present, then the other is required.
- 3 If either LAD05 or LAD06 is present, then the other is required.
- 4 If either LAD07 or LAD08 is present, then the other is required.
- 5 If either LAD09 or LAD10 is present, then the other is required.
- 6 If either LAD11 or LAD12 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|----------------|---|-------------------|
| <u>Des.</u> | <u>Element</u> | | |
| LAD01 | 211 | Packaging Form Code Code for packaging form of the lading quantity BOX Box CNT Container PCK Packed - not otherwise specified PCS Pieces SKD Skid UNT Unit | X ID 3/3 |
| LAD02 | 80 | Lading Quantity Number of units (pieces) of the lading commodity | X N0 1/7 |
| LAD03 | 188 | Weight Unit Code Code specifying the weight unit K Kilograms L Pounds | X ID 1/1 |
| LAD04 | 395 | Unit Weight Numeric value of weight per unit | X R 1/8 |
| LAD07 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) BP Buyer's Part Number | X ID 2/2 |
| LAD08 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| LAD09 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) MN Model Number PD Part Number Description PO Purchase Order Number | X ID 2/2 |
| LAD10 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| LAD11 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) MN Model Number | X ID 2/2 |

| | | | | |
|--------------|------------|---|-------------------------|------------------|
| | | PD | Part Number Description | |
| | | PO | Purchase Order Number | |
| LAD12 | 234 | Product/Service ID | | X AN 1/48 |
| | | Identifying number for a product or service | | |

- Segment:** **PO4** Item Physical Details
- Position:** 380
- Loop:** 2370 Optional
- Level:** Detail
- Usage:** Optional
- Max Use:** 1
- Purpose:** To specify the physical qualities, packaging, weights, and dimensions relating to the item
- Syntax Notes:**
- 1 If either PO402 or PO403 is present, then the other is required.
 - 2 If PO405 is present, then PO406 is required.
 - 3 If either PO406 or PO407 is present, then the other is required.
 - 4 If either PO408 or PO409 is present, then the other is required.
 - 5 If PO410 is present, then PO413 is required.
 - 6 If PO411 is present, then PO413 is required.
 - 7 If PO412 is present, then PO413 is required.
 - 8 If PO413 is present, then at least one of PO410 PO411 or PO412 is required.
 - 9 If PO417 is present, then PO416 is required.
 - 10 If PO418 is present, then PO404 is required.
- Semantic Notes:**
- 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.
- Comments:**
- 1 PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
 - 2 PO413 defines the unit of measure for PO410, PO411, and PO412.

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Attributes</u> |
|-------------|--|-------------------|
| <u>Des.</u> | <u>Element</u> <u>Name</u> | |
| PO402 | 357 Size | X R 1/8 |
| | Size of supplier units in pack | |
| PO403 | 355 Unit or Basis for Measurement Code | X ID 2/2 |
| | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| PO406 | 384 Gross Weight per Pack | X R 1/9 |
| | Numeric value of gross weight per pack | |
| PO407 | 355 Unit or Basis for Measurement Code | X ID 2/2 |
| | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| PO408 | 385 Gross Volume per Pack | X R 1/9 |
| | Numeric value of gross volume per pack | |
| PO409 | 355 Unit or Basis for Measurement Code | X ID 2/2 |
| | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| PO410 | 82 Length | X R 1/8 |
| | Largest horizontal dimension of an object measured when the object is in the upright position | |
| PO411 | 189 Width | X R 1/8 |

| | | | |
|--------------|------------|---|------------------|
| PO412 | 65 | Shorter measurement of the two horizontal dimensions measured with the object in the upright position Height | X R 1/8 |
| PO413 | 355 | Vertical dimension of an object measured when the object is in the upright position Unit or Basis for Measurement Code | X ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | |
| PO416 | 350 | Assigned Identification | X AN 1/20 |
| | | Alphanumeric characters assigned for differentiation within a transaction set | |

Segment: **G69** Line Item Detail - Description
Position: 390
Loop: 2370 Optional
Level: Detail
Usage: Optional
Max Use: 99
Purpose: To describe an item in free-form format
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|-------------|---|-------------------|
| M | G6901 | 369 | Free-form Description Free-form descriptive text | M AN 1/45 |

Segment: **AT5** Bill of Lading Handling Requirements
Position: 400
Loop: 2370 Optional
Level: Detail
Usage: Optional
Max Use: 6
Purpose: To identify Bill of Lading handling and service requirements
Syntax Notes: 1 Only one of AT501 or AT503 may be present.
 2 Only one of AT502 or AT503 may be present.
Semantic Notes:
Comments:

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|-------------|--|-------------------|
| AT503 | 153 | Special Handling Description | X AN 2/30 |
| | | Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate | |

Segment: **L11 Business Instructions and Reference Number**
Position: 430
Loop: 2370 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify instructions in this business relationship or a reference number
Syntax Notes: 1 At least one of L1101 or L1103 is required.
 2 If either L1101 or L1102 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|--------------|-------------|---|-------------------|
| L1101 | 127 | Reference Identification | X AN 1/30 |
| | | 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 |
| | | Code qualifying the Reference Identification | |
| | | 1O Consolidation Shipment Number | |
| | | Qualifies a single number that is a key to a group of individual shipment numbers | |
| | | 9H Packaging Group Number | |
| | | ACD Class Code | |
| | | BV Purchase Order Line Item Identifier (Buyer) | |
| | | CO Customer Order Number | |
| | | CT Contract Number | |
| | | KK Delivery Reference | |
| | | PE Plant Number | |
| | | PID Program Identification Number | |
| | | SE Serial Number | |
| | | XY Other Unlisted Type of Reference Number | |

Segment: **G61 Contact**
Position: 450
Loop: 2375 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a person or office to whom communications should be directed
Syntax Notes: 1 If either G6103 or G6104 is present, then the other is required.
Semantic Notes:
Comments: 1 G6103 qualifies G6104.

Data Element Summary

| | Ref. | Data | Name | Attributes |
|---|-------------|----------------|---|-------------------|
| | Des. | Element | | |
| M | G6101 | 366 | Contact Function Code Code identifying the major duty or responsibility of the person or group named RP Responsible Person | M ID 2/2 |
| M | G6102 | 93 | Name Free-form name | M AN 1/60 |
| | G6103 | 365 | Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail TE Telephone | X ID 2/2 |
| | G6104 | 364 | Communication Number Complete communications number including country or area code when applicable | X AN 1/80 |

Segment: **LH6** Hazardous Certification

Position: 470

Loop: 2375 Optional

Level: Detail

Usage: Optional

Max Use: 6

Purpose: To specify the name of the person certifying that the shipment complies with the regulations and/or the actual certification

Syntax Notes: 1 If either LH602 or LH603 is present, then the other is required.

Semantic Notes:

Comments:

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|----------------|---|-------------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | |
| LH601 | 93 | Free-form name | O AN 1/60 |
| LH602 | 272 | Hazardous Certification Code Code indicating the form of the hazardous certification Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/1 |
| LH603 | 273 | Hazardous Certification Declaration Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations | X AN 1/25 |
| LH604 | 273 | Hazardous Certification Declaration Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations | O AN 1/25 |

Segment: **LH1** Hazardous Identification Information
Position: 480
Loop: 2378 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the hazardous commodity identification reference number and quantity
Syntax Notes:
Semantic Notes:
Comments:

- 1 LH101 and LH102 are used to convey the number and type of packages for bulk and nonbulk movements.
- 2 LH106 and LH107 are used to convey the quantity or volume and unit of measure for nonbulk shipments only.
- 3 In LH109, a value of "R" or "P" requires that the receiver generate the words "residue: last contained" prior to the shipping name in accordance with regulations.

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|--|-------------------|
| M | LH101 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| M | LH102 | 80 | Lading Quantity Number of units (pieces) of the lading commodity | M N0 1/7 |
| | LH103 | 277 | UN/NA Identification Code 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 | O ID 6/6 |
| | LH104 | 200 | Hazardous Materials Page The United Nations page number as required for the international transport of hazardous materials | O AN 1/6 |
| | LH105 | 22 | Commodity Code Code describing a commodity or group of commodities | O AN 1/30 |
| | LH110 | 254 | Packing Group Code Code indicating degree of danger in terms of Roman number I, II or III | O ID 1/3 |

Segment: **LH2** Hazardous Classification Information
Position: 490
Loop: 2378 Optional
Level: Detail
Usage: Optional
Max Use: 4
Purpose: To specify the hazardous notation and endorsement information
Syntax Notes:

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

Semantic Notes:

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

Comments:

Data Element Summary

| <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|------------------|---------------------|--|-------------------|
| LH201 | 215 | Hazardous Classification The hazardous classification corresponding to the shipping name of the hazardous commodity | O ID 1/30 |
| LH202 | 983 | Hazardous Class Qualifier Code qualifying hazardous class Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/1 |

Segment: **LH3** Hazardous Material Shipping Name
Position: 500
Loop: 2378 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify the hazardous material shipping name and additional descriptive requirements
Syntax Notes: 1 If either LH301 or LH302 is present, then the other is required.
Semantic Notes: 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.
Comments:

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|-------------|---|-------------------|
| LH301 | 224 | Hazardous Material Shipping Name | X AN 1/25 |
| | | 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 |
| | | Qualifier indicating the source (regulatory) of the proper shipping name | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |

Segment: **L3 Total Weight and Charges**
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items

- Syntax Notes:**
- 1 If either L301 or L302 is present, then the other is required.
 - 2 If either L303 or L304 is present, then the other is required.
 - 3 If either L309 or L310 is present, then the other is required.
 - 4 If L312 is present, then L301 is required.
 - 5 If either L314 or L315 is present, then the other is required.

Semantic Notes:
Comments: 1 L305 is the total charges.

Data Element Summary

| Ref. | Data | Name | Attributes |
|-------------|----------------|---|-------------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
| L301 | 81 | Weight Numeric value of weight | X R 1/10 |
| L302 | 187 | Weight Qualifier Code defining the type of weight Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/2 |
| L303 | 60 | Freight Rate Rate that applies to the specific commodity | X R 1/9 |
| L304 | 122 | Rate/Value Qualifier Code qualifying how to extend charges or interpret value Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| L305 | 58 | Charge 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 | O N2 1/12 |
| L309 | 183 | Volume Value of volumetric measure | X R 1/8 |
| L310 | 184 | Volume Unit Qualifier Code identifying the volume unit Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/1 |
| L311 | 80 | Lading Quantity Number of units (pieces) of the lading commodity | O N0 1/7 |
| L312 | 188 | Weight Unit Code Code specifying the weight unit Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/1 |
| L313 | 171 | Tariff Number Standard tariff number for the tariff which governs the rates applied to the commodity item(s) | O AN 1/7 |
| L314 | 74 | Declared Value Monetary assigned value expressed in the standard monetary denomination for the currency specified | X N2 2/12 |
| L315 | 122 | Rate/Value Qualifier Code qualifying how to extend charges or interpret value Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |

Segment: **SE** Transaction Set Trailer
Position: 020
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|---|-------------------|
| M | SE01 | 96 | Number of Included Segments Total number of segments included in a transaction set including ST and SE segments | M N0 1/10 |
| M | SE02 | 329 | Transaction Set Control Number 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 |