

856 Ship Notice/Manifest

X12/V5010/856: 856 Advanced Ship Notice

| | |
|---------------------|-----------------------|
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856 Ship Notice/Manifest

Functional Group=SH

Purpose: This X12 Transaction Set contains the format and establishes the data contents of the Ship Notice/Manifest Transaction Set (856) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to list the contents of a shipment of goods as well as additional information relating to the shipment, such as order information, product description, physical characteristics, type of packaging, marking, carrier information, and configuration of goods within the transportation equipment. The transaction set enables the sender to describe the contents and configuration of a shipment in various levels of detail and provides an ordered flexibility to convey information. The sender of this transaction is the organization responsible for detailing and communicating the contents of a shipment, or shipments, to one or more receivers of the transaction set. The receiver of this transaction set can be any organization having an interest in the contents of a shipment or information about the contents of a shipment.

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> |
|------------|-----------|-----------------------------------|------------|----------------|---------------|--------------|--------------|
| 0100 | ST | Transaction Set Header | M | 1 | | | Must use |
| 0200 | BSN | Beginning Segment for Ship Notice | M | 1 | | | Must use |

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> |
|----------------------------|-----------|---|------------|----------------|----------------------|------------------------|--------------|
| <u>LOOP ID - HL</u> | | | | | <u>200000</u> | <u>C2/0100L</u> | |
| 0100 | HL | Hierarchical Level | M | 1 | | C2/0100 | Must use |
| 1100 | TD1 | Carrier Details (Quantity and Weight) | O | 1 | | | Used |
| 1200 | TD5 | Carrier Details (Routing Sequence/Transit Time) | M | 1 | | | Must use |
| 1500 | REF | Reference Information | M | 1 | | N2/1500 | Must use |
| 2000 | DTM | Date/Time Reference | M | 2 | | | Must use |
| <u>LOOP ID - N1</u> | | | | | <u>2</u> | | |
| 2200 | N1 | Party Identification | M | 1 | | | Must use |
| 2300 | N2 | Additional Name Information | O | 2 | | | Used |
| 2400 | N3 | Party Location | M | 1 | | | Must use |
| 2500 | N4 | Geographic Location | M | 1 | | | Must use |
| <u>LOOP ID - HL</u> | | | | | <u>200000</u> | <u>C2/0100L</u> | |
| 0100 | HL | Hierarchical Level | M | 1 | | C2/0100 | Must use |
| 0500 | PRF | Purchase Order Reference | M | 1 | | | Must use |
| 1100 | TD1 | Carrier Details (Quantity and Weight) | O | 1 | | | Used |
| 1500 | REF | Reference Information | M | 1 | | | Must use |
| <u>LOOP ID - N1</u> | | | | | <u>200</u> | | |
| 2200 | N1 | Party Identification | O | 1 | | | Used |
| <u>LOOP ID - HL</u> | | | | | <u>200000</u> | <u>C2/0100L</u> | |
| 0100 | HL | Hierarchical Level | M | 1 | | C2/0100 | Must use |
| 1900 | MAN | Marks and Numbers Information | M | 1 | | | Must use |
| <u>LOOP ID - HL</u> | | | | | <u>200000</u> | <u>C2/0100L</u> | |
| 0100 | HL | Hierarchical Level | M | 1 | | C2/0100 | Must use |
| 0200 | LIN | Item Identification | 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> |
|------------|-----------|--------------------------|------------|----------------|---------------|--------------|--------------|
| 0300 | SN1 | Item Detail (Shipment) | M | 1 | | | Must use |
| 0700 | PID | Product/Item Description | O | 3 | | | 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> |
|------------|-----------|-------------------------|------------|----------------|---------------|--------------|--------------|
| 0100 | CTT | Transaction Totals | O | 1 | | N3/0100 | Used |
| 0200 | SE | Transaction Set Trailer | M | 1 | | | Must use |

Notes:

2/1500 Either BOL or CarrierPro # is required

(Could be Carrier Pro or Small Parcel tracking #)

3/0100 Number of line items (CTT01) is the accumulation of the number of HL segments. If used, hash total (CTT02) is the sum of the value of units shipped (SN102) for each SN1 segment.

Comments:

- 2/0100L The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
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As confirmation of shipment and content information for visibility and automation of receiving, trading partners will be required to provide the ASN/Ship Notice details for all electronically created orders sent through SPS. The data will be captured for Trading Partner Intelligence functionality, Online Reporting, as well as forwarded to Shoe Sensation using the agreed upon file format. This information will be used as confirmation of shipment and content details in advance of the receipt of the orders. Shoe Sensation will support the Pick and Pack ASN Structure and each ASN will represent a single shipment (Ship-To location). Trading Partners will be expected to create one ASN with a single PO being shipped regardless of whether there are multiple PO's physically in a single Shipment/Trailer/Container.

Trading Partners are to send the ASN data in SOPI (Shipment, Order, Pack/Carton, Item) - indicating they have provided the GS1 Shipping label at the Carton level and that the ASN data contains that barcode number.

- *Suppliers are encouraged to palletize when applicable and for those shipments that are palletized and shipping to the DC or Store Shoe Sensation requires that all cartons be labeled and the SSCC information be provided at the pack level when the Pallet contains multiple SKU's.*
- *Shoe Sensation supports trading partners packing multiple orders per pallet. They will also expect SOPI structure thus Trading Partners*
- *For pre-pack item orders, suppliers are to report the style number level in the 856 data*

ST Transaction Set Header

| | |
|----------------------------|--------------------|
| Pos: 0100 | 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 | Transaction Set Identifier Code | M | ID | 3/3 | Must use |

Description: Code uniquely identifying a Transaction Set

CodeList Summary (Total Codes: 318, Included: 1)

Code Name

856 Ship Notice/Manifest

| | | | | | | |
|------|-----|--------------------------------|---|----|-----|----------|
| ST02 | 329 | Transaction Set Control Number | M | AN | 4/9 | Must use |
|------|-----|--------------------------------|---|----|-----|----------|

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

The number is sequentially assigned by the sender, starting with one within each functional group. For each functional group, the first transaction set control number will be 0001 and incremented by one for each additional transaction set within the group.

Semantics:

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).
2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

BSN Beginning Segment for Ship Notice

| | |
|----------------------------|--------------------|
| Pos: 0200 | Max: 1 |
| Heading - Mandatory | |
| Loop: N/A | Elements: 4 |

User Option (Usage): Must use

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

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|-------------------------------------|------------|-------------|----------------|--------------|
| BSN01 | 353 | Transaction Set Purpose Code | M | ID | 2/2 | Must use |

Description: Code identifying purpose of transaction set

CodeList Summary (Total Codes: 66, Included: 1)

| <u>Code</u> | <u>Name</u> |
|-------------|-------------|
| 00 | Original |

| | | | | | | |
|-------|-----|--------------------------------|---|----|------|----------|
| BSN02 | 396 | Shipment Identification | M | AN | 2/30 | Must use |
|-------|-----|--------------------------------|---|----|------|----------|

Description: A unique control number assigned by the original shipper to identify a specific shipment

| | | | | | | |
|-------|-----|-------------|---|----|-----|----------|
| BSN03 | 373 | Date | M | DT | 8/8 | Must use |
|-------|-----|-------------|---|----|-----|----------|

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

| | | | | | | |
|-------|-----|-------------|---|----|-----|----------|
| BSN04 | 337 | Time | M | TM | 4/8 | Must use |
|-------|-----|-------------|---|----|-----|----------|

Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Semantics:

1. BSN03 is the date the shipment transaction set is created.
2. BSN04 is the time the shipment transaction set is created.
3. BSN06 is limited to shipment related codes.

Comments:

- 1.

Loop Shipment

| | |
|------------------|---------------------------|
| Pos: 0100 | Repeat: 200000 |
| Mandatory | |
| Loop: HL | Elements: N/A |

User Option (Usage): Must use

Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|---|------------|----------------|---------------|--------------|
| 0100 | HL | Hierarchical Level | M | 1 | | Must use |
| 1100 | TD1 | Carrier Details (Quantity and Weight) | O | 1 | | Used |
| 1200 | TD5 | Carrier Details (Routing Sequence/Transit Time) | M | 1 | | Must use |
| 1500 | REF | Reference Information | M | 1 | | Must use |
| 2000 | DTM | Date/Time Reference | M | 2 | | Must use |
| 2200 | | Loop N1 | M | | 2 | Must use |
| 0100 | | Loop HL | M | | 200000 | Must use |

HL Hierarchical Level

| | |
|---------------------------|--------------------|
| Pos: 0100 | Max: 1 |
| Detail - Mandatory | |
| Loop: HL | Elements: 2 |

User Option (Usage): Must use

Purpose: To identify dependencies among and the content of hierarchically related groups of data 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> |
|------------|-----------|-------------------------------|------------|-------------|----------------|--------------|
| HL01 | 628 | Hierarchical ID Number | M | AN | 1/12 | Must use |

Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure

The value for this level (shipment) is 1.

| | | | | | | |
|------|-----|--------------------------------|---|----|-----|----------|
| HL03 | 735 | Hierarchical Level Code | M | ID | 1/2 | Must use |
|------|-----|--------------------------------|---|----|-----|----------|

Description: Code defining the characteristic of a level in a hierarchical structure

CodeList Summary (Total Codes: 250, Included: 1)

Code Name

S Shipment

Comments:

1. The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
2. The HL segment defines a top-down/left-right ordered structure.
3. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
6. HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

TD1 Carrier Details (Quantity and Weight)

| | |
|-------------------|--------------------|
| Pos: 1100 | Max: 1 |
| Detail - Optional | |
| Loop: HL | Elements: 5 |

User Option (Usage): Used

Purpose: To specify the transportation details relative to commodity, weight, 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> |
|------------|-----------|-----------------------|------------|-------------|----------------|--------------|
| TD101 | 103 | Packaging Code | M | AN | 3/5 | Must use |

Description: 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

CodeList Summary (Total Codes: 155, Included: 1)

Code Name

CTN Carton

| | | | | | | |
|-------|----|------------------------|---|----|-----|----------|
| TD102 | 80 | Lading Quantity | M | N0 | 1/7 | Must use |
|-------|----|------------------------|---|----|-----|----------|

Description: Number of units (pieces) of the lading commodity

The number of packages in the shipment as described in TD101

| | | | | | | |
|-------|-----|-------------------------|---|----|-----|------|
| TD106 | 187 | Weight Qualifier | C | ID | 1/2 | Used |
|-------|-----|-------------------------|---|----|-----|------|

Description: Code defining the type of weight

If WeightQualifier, Weight, or WeightUOM are present then all are required. Strongly Encouraged to Provide

CodeList Summary (Total Codes: 52, Included: 1)

Code Name

G Gross Weight

| | | | | | | |
|-------|----|---------------|---|---|------|------|
| TD107 | 81 | Weight | C | R | 1/10 | Used |
|-------|----|---------------|---|---|------|------|

Description: Numeric value of weight

If WeightQualifier, Weight, or WeightUOM are present then all are required. Strongly Encouraged to Provide

| | | | | | | |
|-------|-----|---|---|----|-----|------|
| TD108 | 355 | Unit or Basis for Measurement Code | C | ID | 2/2 | Used |
|-------|-----|---|---|----|-----|------|

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

If WeightQualifier, Weight, or WeightUOM are present then all are required. Strongly Encouraged to provide

CodeList Summary (Total Codes: 843, Included: 2)

Code Name

KG Kilogram

LB Pound

Syntax Rules:

1. C0102 - If TD101 is present, then TD102 is required.
2. C0304 - If TD103 is present, then TD104 is required.
3. C0607 - If TD106 is present, then TD107 is required.
4. P0708 - If either TD107 or TD108 is present, then the other is required.
5. P0910 - If either TD109 or TD110 is present, then the other is required.

TD5 Carrier Details (Routing Sequence/Transit Time)

| | |
|---------------------------|--------------------|
| Pos: 1200 | Max: 1 |
| Detail - Mandatory | |
| Loop: HL | Elements: 5 |

User Option (Usage): Must use

Purpose: To specify the carrier and sequence of routing and provide transit time 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> |
|--|-----------|--|------------|-------------|----------------|--------------|
| TD502 | 66 | Identification Code Qualifier | M | ID | 1/2 | Must use |
| <p>Description: Code designating the system/method of code structure used for Identification Code (67)</p> <p>CodeList Summary (Total Codes: 241, Included: 1)</p> <p>Code Name</p> <p>2 Standard Carrier Alpha Code (SCAC)</p> | | | | | | |
| TD503 | 67 | Identification Code | C | AN | 2/80 | Must use |
| <p>Description: Code identifying a party or other code</p> <p><i>If CarrierInformation group sent, either CarrierAlphaCode or CarrierRouting is required.</i></p> | | | | | | |
| TD504 | 91 | Transportation Method/Type Code | O | ID | 1/2 | Used |
| <p>Description: Code specifying the method or type of transportation for the shipment</p> <p>CodeList Summary (Total Codes: 80, Included: 2)</p> <p>Code Name</p> <p>M Motor (Common Carrier)</p> <p>LT Less Than Trailer Load (LTL)</p> | | | | | | |
| TD505 | 387 | Routing | C | AN | 1/35 | Must use |
| <p>Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity</p> <p><i>If CarrierInformation group sent, either CarrierAlphaCode or CarrierRouting is required.</i></p> | | | | | | |
| TD512 | 284 | Service Level Code | O | ID | 2/2 | Used |
| <p>Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier</p> <p>CodeList Summary (Total Codes: 71, Included: 9)</p> <p>Code Name</p> <p>3D Three Day Service</p> <p>CX Express Service</p> <p>FC First Class</p> <p>ND Next Day Air</p> <p>ON Overnight</p> <p>PB Priority Mail</p> <p>SC Second Day Air</p> <p>SE Second Day</p> <p>SG Standard Ground</p> | | | | | | |

Syntax Rules:

1. R0205 - At least one of TD502 or TD505 is required.
2. C0203 - If TD502 is present, then TD503 is required.

Semantics:

1. TD515 is the country where the service is to be performed.

Comments:

1. When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

REF Reference Information

| | |
|---------------------------|--------------------|
| Pos: 1500 | Max: 1 |
| Detail - Mandatory | |
| Loop: HL | Elements: 2 |

User Option (Usage): Must use

Purpose: To specify identifying 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> |
|------------|-----------|------------------------------------|------------|-------------|----------------|--------------|
| REF01 | 128 | Reference Identification Qualifier | M | ID | 2/3 | Must use |

Description: Code qualifying the Reference Identification

Either 2I, CN or BM are required

CodeList Summary (Total Codes: 1731, Included: 3)

Code Name

2I Tracking Number
 BM Bill of Lading Number
 CN Carrier PRO Number

| | | | | | | |
|-------|-----|--------------------------|---|----|------|----------|
| REF02 | 127 | Reference Identification | M | AN | 1/50 | Must use |
|-------|-----|--------------------------|---|----|------|----------|

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 REF02 or REF03 is required.

DTM Date/Time Reference

| | |
|---------------------------|--------------------|
| Pos: 2000 | Max: 2 |
| Detail - Mandatory | |
| Loop: HL | Elements: 2 |

User Option (Usage): Must use

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

CodeList Summary (Total Codes: 1280, Included: 2)

Code Name

011 Shipped

Mandatory

017 Estimated Delivery

Optional

| | | | | | | |
|-------|-----|------|---|----|-----|----------|
| DTM02 | 373 | Date | M | DT | 8/8 | Must use |
|-------|-----|------|---|----|-----|----------|

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

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.

Loop Party Identification

| | |
|-----------|---------------|
| Pos: 2200 | Repeat: 2 |
| Mandatory | |
| Loop: N1 | Elements: N/A |

User Option (Usage): Must use

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

Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|-----------------------------|------------|----------------|---------------|--------------|
| 2200 | N1 | Party Identification | M | 1 | | Must use |
| 2300 | N2 | Additional Name Information | O | 2 | | Used |
| 2400 | N3 | Party Location | M | 1 | | Must use |
| 2500 | N4 | Geographic Location | M | 1 | | Must use |

Notes:

Both Ship To and Ship From Addresses are Mandatory.

N1 Party Identification

| | |
|---------------------------|--------------------|
| Pos: 2200 | Max: 1 |
| Detail - Mandatory | |
| Loop: N1 | Elements: 4 |

User Option (Usage): Must use

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

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|-------------------------------|------------|-------------|----------------|--------------|
| N101 | 98 | Entity Identifier Code | M | ID | 2/3 | Must use |

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

CodeList Summary (Total Codes: 1500, Included: 2)

Code Name

SF Ship From
ST Ship To

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

Description: Free-form name

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

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

CodeList Summary (Total Codes: 241, Included: 1)

Code Name

92 Assigned by Buyer or Buyer's Agent

| | | | | | | |
|------|----|----------------------------|---|----|------|------|
| N104 | 67 | Identification Code | 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.

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.

N2 Additional Name Information

| | |
|-------------------|-------------|
| Pos: 2300 | Max: 2 |
| Detail - Optional | |
| Loop: N1 | Elements: 1 |

User Option (Usage): Used

Purpose: To specify additional names

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 | Name | M | AN | 1/60 | Must use |

Description: Free-form name

N3 Party Location

| | |
|---------------------------|--------------------|
| Pos: 2400 | Max: 1 |
| Detail - Mandatory | |
| Loop: N1 | Elements: 2 |

User Option (Usage): Must use

Purpose: To specify the location of the named party

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| N301 | 166 | Address Information | M | AN | 1/55 | Must use |
| | | Description: Address information | | | | |
| N302 | 166 | Address Information | O | AN | 1/55 | Used |
| | | Description: Address information | | | | |

N4 Geographic Location

| | |
|---------------------------|--------------------|
| Pos: 2500 | Max: 1 |
| Detail - Mandatory | |
| Loop: N1 | Elements: 4 |

User Option (Usage): Must use

Purpose: To specify the geographic place of the named party

Element Summary:

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

Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. C0605 - If N406 is present, then N405 is required.
3. C0704 - If N407 is present, then N404 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.

Loop Order

| | |
|------------------|---------------------------|
| Pos: 0100 | Repeat: 200000 |
| Mandatory | |
| Loop: HL | Elements: N/A |

User Option (Usage): Must use

Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|---------------------------------------|------------|----------------|---------------|--------------|
| 0100 | HL | Hierarchical Level | M | 1 | | Must use |
| 0500 | PRF | Purchase Order Reference | M | 1 | | Must use |
| 1100 | TD1 | Carrier Details (Quantity and Weight) | O | 1 | | Used |
| 1500 | REF | Reference Information | M | 1 | | Must use |
| 2200 | | Loop N1 | O | | 200 | Used |
| 0100 | | Loop HL | M | | 200000 | Must use |

HL Hierarchical Level

| | |
|---------------------------|--------------------|
| Pos: 0100 | Max: 1 |
| Detail - Mandatory | |
| Loop: HL | Elements: 3 |

User Option (Usage): Must use

Purpose: To identify dependencies among and the content of hierarchically related groups of data 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> |
|--|-----------|--------------------------------------|------------|-------------|----------------|--------------|
| HL01 | 628 | Hierarchical ID Number | M | AN | 1/12 | Must use |
| Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure | | | | | | |
| HL02 | 734 | Hierarchical Parent ID Number | M | AN | 1/12 | Must use |
| Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to | | | | | | |
| HL03 | 735 | Hierarchical Level Code | M | ID | 1/2 | Must use |
| Description: Code defining the characteristic of a level in a hierarchical structure | | | | | | |
| CodeList Summary (Total Codes: 250, Included: 1) | | | | | | |
| Code Name | | | | | | |
| O Order | | | | | | |

Comments:

1. The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
2. The HL segment defines a top-down/left-right ordered structure.
3. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
6. HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

PRF Purchase Order Reference

| | |
|--------------------|-------------|
| Pos: 0500 | Max: 1 |
| Detail - Mandatory | |
| Loop: HL | Elements: 1 |

User Option (Usage): Must use

Purpose: To provide reference to a specific purchase order

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> |
|------------|-----------|-----------------------|------------|-------------|----------------|--------------|
| PRF01 | 324 | Purchase Order Number | M | AN | 1/22 | Must use |

Description: Identifying number for Purchase Order assigned by the orderer/purchaser

Shoe Sensation original purchase order number

Semantics:

1. PRF04 is the date assigned by the purchaser to purchase order.

TD1 Carrier Details (Quantity and Weight)

| | |
|-------------------|--------------------|
| Pos: 1100 | Max: 1 |
| Detail - Optional | |
| Loop: HL | Elements: 2 |

User Option (Usage): Used

Purpose: To specify the transportation details relative to commodity, weight, 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> |
|------------|-----------|-----------------------|------------|-------------|----------------|--------------|
| TD101 | 103 | Packaging Code | M | AN | 3/5 | Must use |

Description: 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

CodeList Summary (Total Codes: 155, Included: 1)

Code Name

CTN Carton

| | | | | | | |
|-------|----|------------------------|---|----|-----|----------|
| TD102 | 80 | Lading Quantity | M | N0 | 1/7 | Must use |
|-------|----|------------------------|---|----|-----|----------|

Description: Number of units (pieces) of the lading commodity

Syntax Rules:

1. C0102 - If TD101 is present, then TD102 is required.
2. C0304 - If TD103 is present, then TD104 is required.
3. C0607 - If TD106 is present, then TD107 is required.
4. P0708 - If either TD107 or TD108 is present, then the other is required.
5. P0910 - If either TD109 or TD110 is present, then the other is required.

Notes:

This segment, at the order level, is used to specify the number and type of shipping containers in the order.

REF Reference Information

| | |
|---------------------------|--------------------|
| Pos: 1500 | Max: 1 |
| Detail - Mandatory | |
| Loop: HL | Elements: 2 |

User Option (Usage): Must use

Purpose: To specify identifying 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> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| REF01 | 128 | Reference Identification Qualifier | M | ID | 2/3 | Must use |

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1731, Included: 1)

Code Name

IA Internal Vendor Number (Mandatory)

Mandatory - Shoe Sensation Assigned Vendor Number

| | | | | | | |
|-------|-----|---------------------------------|---|----|------|----------|
| REF02 | 127 | Reference Identification | M | AN | 1/50 | Must use |
|-------|-----|---------------------------------|---|----|------|----------|

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 REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

Loop Party Identification

| | |
|-----------|---------------|
| Pos: 2200 | Repeat: 200 |
| Optional | |
| Loop: N1 | Elements: N/A |

User Option (Usage): Used

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

Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|----------------------|------------|----------------|---------------|--------------|
| 2200 | N1 | Party Identification | O | 1 | | Used |

N1 Party Identification

| | |
|--------------------------|--------------------|
| Pos: 2200 | Max: 1 |
| Detail - 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 | Entity Identifier Code | M | ID | 2/3 | Must use |

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

CodeList Summary (Total Codes: 1500, Included: 2)

Code Name

| | | |
|----|----------------|---|
| BT | Bill-to-Party | <i>Store to Bill To</i> |
| Z7 | Mark-for Party | <i>This is the ultimate destination for the order when the location is not the ship to and the mark for party is specified on the shipping label.</i> |

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

Description: Free-form name

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

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

CodeList Summary (Total Codes: 241, Included: 1)

Code Name

| | |
|----|------------------------------------|
| 92 | Assigned by Buyer or Buyer's Agent |
|----|------------------------------------|

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

Description: Code identifying a party or other code

This is the location code as defined by N103. The location code is assigned by either the buyer. The location refers to a store, or warehouse Mandfatory for CrossDock orders

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.

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.

Loop Pack

| | |
|------------------|---------------------------|
| Pos: 0100 | Repeat: 200000 |
| Mandatory | |
| Loop: HL | Elements: N/A |

User Option (Usage): Must use

Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|-------------------------------|------------|----------------|---------------|--------------|
| 0100 | HL | Hierarchical Level | M | 1 | | Must use |
| 1900 | MAN | Marks and Numbers Information | M | 1 | | Must use |
| 0100 | | Loop HL | M | | 200000 | Must use |

HL Hierarchical Level

| | |
|---------------------------|--------------------|
| Pos: 0100 | Max: 1 |
| Detail - Mandatory | |
| Loop: HL | Elements: 3 |

User Option (Usage): Must use

Purpose: To identify dependencies among and the content of hierarchically related groups of data 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> |
|--|-----------|--------------------------------------|------------|-------------|----------------|--------------|
| HL01 | 628 | Hierarchical ID Number | M | AN | 1/12 | Must use |
| Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure | | | | | | |
| HL02 | 734 | Hierarchical Parent ID Number | M | AN | 1/12 | Must use |
| Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to | | | | | | |
| HL03 | 735 | Hierarchical Level Code | M | ID | 1/2 | Must use |
| Description: Code defining the characteristic of a level in a hierarchical structure | | | | | | |
| CodeList Summary (Total Codes: 250, Included: 1) | | | | | | |
| <u>Code</u> <u>Name</u> | | | | | | |
| P Pack | | | | | | |

Comments:

1. The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
2. The HL segment defines a top-down/left-right ordered structure.
3. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
6. HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

MAN Marks and Numbers Information

| | |
|---------------------------|--------------------|
| Pos: 1900 | Max: 1 |
| Detail - Mandatory | |
| Loop: HL | Elements: 2 |

User Option (Usage): Must use

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 | Marks and Numbers Qualifier | M | ID | 1/2 | Must use |

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

CodeList Summary (Total Codes: 21, Included: 2)

Code Name

| | |
|-----------------------|--|
| CP | Carrier-Assigned Package ID Number |
| GM | EAN.UCC Serial Shipping Container Code (SSCC) and Application Identifier |
| <i>Used with Bulk</i> | |

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

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

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.

Loop Item

| | |
|------------------|---------------------------|
| Pos: 0100 | Repeat: 200000 |
| Mandatory | |
| Loop: HL | Elements: N/A |

User Option (Usage): Must use

Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|--------------------------|------------|----------------|---------------|--------------|
| 0100 | HL | Hierarchical Level | M | 1 | | Must use |
| 0200 | LIN | Item Identification | M | 1 | | Must use |
| 0300 | SN1 | Item Detail (Shipment) | M | 1 | | Must use |
| 0700 | PID | Product/Item Description | O | 3 | | Used |

HL Hierarchical Level

| | |
|---------------------------|--------------------|
| Pos: 0100 | Max: 1 |
| Detail - Mandatory | |
| Loop: HL | Elements: 3 |

User Option (Usage): Must use

Purpose: To identify dependencies among and the content of hierarchically related groups of data 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> |
|--|-----------|--------------------------------------|------------|-------------|----------------|--------------|
| HL01 | 628 | Hierarchical ID Number | M | AN | 1/12 | Must use |
| Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure | | | | | | |
| HL02 | 734 | Hierarchical Parent ID Number | M | AN | 1/12 | Must use |
| Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to | | | | | | |
| HL03 | 735 | Hierarchical Level Code | M | ID | 1/2 | Must use |
| Description: Code defining the characteristic of a level in a hierarchical structure | | | | | | |
| CodeList Summary (Total Codes: 250, Included: 1) | | | | | | |
| <u>Code</u> <u>Name</u> | | | | | | |
| I Item | | | | | | |

Comments:

1. The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
2. The HL segment defines a top-down/left-right ordered structure.
3. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
6. HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

LIN Item Identification

| | |
|---------------------------|--------------------|
| Pos: 0200 | Max: 1 |
| Detail - Mandatory | |
| Loop: HL | Elements: 7 |

User Option (Usage): Must use

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 | Assigned Identification | M | AN | 1/20 | Must use |
| Description: Alphanumeric characters assigned for differentiation within a transaction set | | | | | | |
| LIN02 | 235 | Product/Service ID Qualifier | M | ID | 2/2 | Must use |
| Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | | | |
| CodeList Summary (Total Codes: 519, Included: 1) | | | | | | |
| Code Name | | | | | | |
| UP UCC - 12 | | | | | | |
| LIN03 | 234 | Product/Service ID | M | AN | 1/48 | Must use |
| Description: Identifying number for a product or service | | | | | | |
| LIN04 | 235 | Product/Service ID Qualifier | X | ID | 2/2 | Used |
| Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | | | |
| CodeList Summary (Total Codes: 519, Included: 1) | | | | | | |
| Code Name | | | | | | |
| SK Stock Keeping Unit (SKU) | | | | | | |
| LIN05 | 234 | Product/Service ID | X | AN | 1/48 | Used |
| Description: Identifying number for a product or service | | | | | | |
| LIN06 | 235 | Product/Service ID Qualifier | X | ID | 2/2 | Used |
| Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | | | |
| CodeList Summary (Total Codes: 519, Included: 1) | | | | | | |
| Code Name | | | | | | |
| VN Vendor's (Seller's) Item Number | | | | | | |
| LIN07 | 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.

Semantics:

1. LIN01 is the line item identification

SN1 Item Detail (Shipment)

| | |
|---------------------------|--------------------|
| Pos: 0300 | Max: 1 |
| Detail - Mandatory | |
| Loop: HL | Elements: 2 |

User Option (Usage): Must use

Purpose: To specify line-item detail relative to 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> |
|------------|-----------|--------------------------------|------------|-------------|----------------|--------------|
| SN102 | 382 | Number of Units Shipped | M | R | 1/12 | Must use |

Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set

| | | | | | | |
|-------|-----|---|---|----|-----|----------|
| SN103 | 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

CodeList Summary (Total Codes: 844, Included: 2)

Code Name

| | |
|----|------|
| CA | Case |
| EA | Each |

Semantics:

1. SN101 is the ship notice line-item identification.
2. SN105 is quantity ordered.

Comments:

1. SN103 defines the unit of measurement for both SN102 and SN104.

PID Product/Item Description

| | |
|-------------------|--------------------|
| Pos: 0700 | Max: 3 |
| Detail - Optional | |
| Loop: HL | Elements: 3 |

User Option (Usage): Used

Purpose: To describe a product or process in coded or free-form format

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> |
|------------|-----------|------------------------------|------------|-------------|----------------|--------------|
| PID01 | 349 | Item Description Type | M | ID | 1/1 | Must use |

Description: Code indicating the format of a description

CodeList Summary (Total Codes: 3, Included: 1)

Code Name

F Free-form

The description will be found in PID05.

| | | | | | | |
|-------|-----|--|---|----|-----|----------|
| PID02 | 750 | Product/Process Characteristic Code | M | ID | 2/3 | Must use |
|-------|-----|--|---|----|-----|----------|

Description: Code identifying the general class of a product or process characteristic

CodeList Summary (Total Codes: 238, Included: 3)

Code Name

08 Product

If the PID segment is sent, this field is required

75 Buyer's Color Description (Optional)

91 Buyer's Item Size Description (Optional)

| | | | | | | |
|-------|-----|--------------------|---|----|------|------|
| PID05 | 352 | Description | X | AN | 1/80 | Used |
|-------|-----|--------------------|---|----|------|------|

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

CTT Transaction Totals

| | |
|--------------------|-------------|
| Pos: 0100 | Max: 1 |
| Summary - Optional | |
| Loop: N/A | Elements: 1 |

User Option (Usage): Used

Purpose: To transmit a hash total for a specific element in the transaction set

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|----------------------|------------|-------------|----------------|--------------|
| CTT01 | 354 | Number of Line Items | M | N0 | 1/6 | Must use |

Description: Total number of line items in the transaction set

The number of HL segments present in the transaction set

Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

SE Transaction Set Trailer

| | |
|----------------------------|--------------------|
| Pos: 0200 | 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 | Number of Included Segments | M | N0 | 1/10 | Must use |
| Description: Total number of segments included in a transaction set including ST and SE segments | | | | | | |
| SE02 | 329 | Transaction Set Control Number | M | AN | 4/9 | Must use |
| Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | | | | | | |
| <i>This must be the same number as is in the ST segment (ST02) for the transaction set.</i> | | | | | | |

Comments:

- SE is the last segment of each transaction set.