

856 Ship Notice/Manifest

X12/V5010/856: 856 Ship Notice/Manifest

| | |
|-----------------|--------------------------|
| Author: | SPS Commerce |
| Company: | Sportsman's Guide |

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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 |
| 0400 | DTM | Date/Time Reference | M | 2 | | | 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>1</u> | <u>C2/0100L</u> | |
| 0100 | HL | Hierarchical Level | M | 1 | | C2/0100 | Must use |
| 1100 | TD1 | Carrier Details (Quantity and Weight) | M | 1 | | | Must use |
| 1200 | TD5 | Carrier Details (Routing Sequence/Transit Time) | M | 1 | | | Must use |
| <u>LOOP ID - TD3</u> | | | | | <u>1</u> | | |
| 1300 | TD3 | Carrier Details (Equipment) | O | 1 | | | Used |
| 1500 | REF | Reference Information | M | 1 | | | Used |
| 2000 | DTM | Date/Time Reference | O | 1 | | | Used |
| <u>LOOP ID - N1</u> | | | | | <u>2</u> | | |
| 2200 | N1 | Party Identification | M | 1 | | | Must use |
| 2300 | N2 | Additional Name Information | O | 1 | | | Used |
| 2400 | N3 | Party Location | M | 2 | | | 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) | M | 1 | | | Must use |
| 1500 | REF | Reference Information | M | 2 | | | Must use |
| <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 | O | >1 | | | Used |

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Notes</u> | <u>Usage</u> |
|---------------------|-----------|--------------------------|------------|----------------|---------------|-----------------|--------------|
| LOOP ID - HL | | | | | 200000 | C2/0100L | |
| 0100 | HL | Hierarchical Level | M | 1 | | C2/0100 | Must use |
| 0200 | LIN | Item Identification | O | 1 | | | Used |
| 0300 | SN1 | Item Detail (Shipment) | M | 1 | | | Must use |
| 0700 | PID | Product/Item Description | M | 1 | | | Must use |
| 1500 | REF | Reference Information | O | >1 | | | 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> |
|------------|-----------|-------------------------|------------|----------------|---------------|--------------|--------------|
| 0200 | SE | Transaction Set Trailer | M | 1 | | | Must use |

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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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

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: 5 |

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: 2)

Code Name

00 Warehouse
06 Factory Direct

| | | | | | | |
|-------|-----|--------------------------------|---|----|------|----------|
| 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)

| | | | | | | |
|-------|------|------------------------------------|---|----|-----|------|
| BSN05 | 1005 | Hierarchical Structure Code | O | ID | 4/4 | Used |
|-------|------|------------------------------------|---|----|-----|------|

Description: Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set

CodeList Summary (Total Codes: 81, Included: 1)

Code Name

0001 Shipment, Order, Packaging, Item

Syntax Rules:

1. C0706 - If BSN07 is present, then BSN06 is required.

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. BSN06 and BSN07 differentiate the functionality of use for the transaction set.

DTM Date/Time Reference

| | |
|---------------------|-------------|
| Pos: 0400 | Max: 2 |
| Heading - Mandatory | |
| Loop: N/A | 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: 1)

Code Name

011 Shipped

| | | | | | | |
|-------|-----|------|---|----|-----|----------|
| 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.

User Note 1:

Shipped Date (DTM01=011) is required.

Loop Hierarchical Level

| | |
|-----------|---------------|
| Pos: 0100 | Repeat: 1 |
| 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) | M | 1 | | Must use |
| 1200 | TD5 | Carrier Details (Routing Sequence/Transit Time) | M | 1 | | Must use |
| 1300 | | Loop TD3 | O | | 1 | Used |
| 1500 | REF | Reference Information | M | 1 | | Used |
| 2000 | DTM | Date/Time Reference | O | 1 | | Used |
| 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

| | | | | | | |
|------|-----|--------------------------------|---|----|-----|----------|
| 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 - Mandatory | |
| Loop: HL | Elements: 4 |

User Option (Usage): Must use

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 | C | AN | 3/5 | Used |

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

User Note 1:

Required when BSN01 = 00, else optional

CodeList Summary (Total Codes: 155, Included: 3)

Code Name

BBL Barrel

CTN Carton

PLT Pallet

CodeList Summary (Total Codes: 57, Included: 2)

Code Name

25 Corrugated or Solid

94 Wood

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

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

User Note 1: *TD102 must be greater than 0*

Max length = 6 digits

| | | | | | | |
|-------|----|--------|---|---|------|----------|
| TD107 | 81 | Weight | M | R | 1/10 | Must use |
|-------|----|--------|---|---|------|----------|

Description: Numeric value of weight

User Note 1: *TD107 must be greater than zero*

| | | | | | | |
|-------|-----|------------------------------------|---|----|-----|----------|
| TD108 | 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

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: 4 |

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 |

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

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

Code Name

2 Standard Carrier Alpha Code (SCAC)

| | | | | | | |
|-------|----|---------------------|---|----|------|----------|
| TD503 | 67 | Identification Code | M | AN | 2/80 | Must use |
|-------|----|---------------------|---|----|------|----------|

Description: Code identifying a party or other code

User Note 1:

SCAC Code should be a max of 5 characters in length.

| | | | | | | |
|-------|-----|---------|---|----|------|----------|
| TD505 | 387 | Routing | M | AN | 1/35 | Must use |
|-------|-----|---------|---|----|------|----------|

Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

| | | | | | | |
|-------|-----|--------------------|---|----|-----|----------|
| TD512 | 284 | Service Level Code | M | ID | 2/2 | Must use |
|-------|-----|--------------------|---|----|-----|----------|

Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier

CodeList Summary (Total Codes: 71, Included: 26)

Code Name

- AM A.M.
- CG Ground
- CX Express Service
- DC Delivery Confirmation
- DS Door Service
- ET Proof of Delivery (POD) with Signature
- FC First Class
- G2 Standard Service
- IE Expedited Service - Worldwide
- IX Express Service - Worldwide
- ND Next Day Air
- NH Next Day Hundred Weight
- ON Overnight
- PA Primary Service Area - Next Day by 10:30 A.M.
- PB Priority Mail
- PC Primary Service Area - Next Day By 9:30 AM
- PI Priority Mail Insured

| <u>Code</u> | <u>Name</u> |
|-------------|--------------------------------|
| PM | PM |
| PO | P.O. Box/Zip Code |
| SA | Same Day |
| SC | Second Day Air |
| SD | Saturday |
| SE | Second Day |
| SG | Standard Ground |
| SH | Second Day Hundred Weight |
| SI | Standard Ground Hundred Weight |

Syntax Rules:

1. R0204050612 - At least one of TD502, TD504, TD505, TD506 or TD512 is required.
2. C0203 - If TD502 is present, then TD503 is required.
3. C0708 - If TD507 is present, then TD508 is required.
4. C1011 - If TD510 is present, then TD511 is required.
5. C1312 - If TD513 is present, then TD512 is required.
6. C1413 - If TD514 is present, then TD513 is required.
7. C1512 - If TD515 is present, then TD512 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.

Loop Carrier Details (Equipment)

| | |
|-----------|---------------|
| Pos: 1300 | Repeat: 1 |
| Optional | |
| Loop: TD3 | Elements: N/A |

User Option (Usage): Used

Purpose: To specify transportation details relating to the equipment used by the carrier

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> |
|------------|-----------|-----------------------------|------------|----------------|---------------|--------------|
| 1300 | TD3 | Carrier Details (Equipment) | O | 1 | | Used |

TD3 Carrier Details (Equipment)

| | |
|-------------------|-------------|
| Pos: 1300 | Max: 1 |
| Detail - Optional | |
| Loop: TD3 | Elements: 2 |

User Option (Usage): Used

Purpose: To specify transportation details relating to the equipment used by the carrier

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> |
|------------|-----------|-----------------------------------|------------|-------------|----------------|--------------|
| TD301 | 40 | Equipment Description Code | O | ID | 2/2 | Used |

Description: Code identifying type of equipment used for shipment

CodeList Summary (Total Codes: 139, Included: 2)

Code Name

- CN Container
- TL Trailer (not otherwise specified)

| | | | | | | |
|-------|-----|-------------------------|---|----|------|------|
| TD303 | 207 | Equipment Number | C | AN | 1/15 | Used |
|-------|-----|-------------------------|---|----|------|------|

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

User Note 1: *If TD301 = CN then TD303 is required*

Syntax Rules:

1. E0110 - Only one of TD301 or TD310 may be present.
2. C0203 - If TD302 is present, then TD303 is required.
3. C0405 - If TD304 is present, then TD305 is required.
4. P0506 - If either TD305 or TD306 is present, then the other is required.

REF Reference Information

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

User Option (Usage): Used

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: 2)

Code Name

BM Bill of Lading Number

CN Carrier's Reference Number (PRO/Invoice)

| | | | | | | |
|-------|-----|--------------------------|---|----|------|----------|
| 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

User Note 1: *Max length = 30 characters*

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.

User Note 1:

Either Carrier PRO Number or Bill of Lading Number is required.

DTM Date/Time Reference

| | |
|-------------------|-------------|
| Pos: 2000 | Max: 1 |
| Detail - Optional | |
| Loop: HL | Elements: 2 |

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---------------------|------------|-------------|----------------|--------------|
| DTM01 | 374 | Date/Time Qualifier | M | ID | 3/3 | Must use |

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

CodeList Summary (Total Codes: 1280, Included: 1)

Code Name

017 Estimated Delivery

| | | | | | | |
|-------|-----|------|---|----|-----|----------|
| 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 | 1 | | Used |
| 2400 | N3 | Party Location | M | 2 | | Must use |
| 2500 | N4 | Geographic Location | M | 1 | | Must use |

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 | | | | |
| | | User Note 1: <i>Max Length = 55 characters</i> | | | | |
| 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 | | | | |
| | | User Note 1: <i>Mandatory for Ship To when BSN01= 00</i> | | | | |

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: 1 |
| 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

User Note 1: *Max length = 55 characters*

N3 Party Location

| | |
|--------------------|-------------|
| Pos: 2400 | Max: 2 |
| 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 | X | ID | 2/2 | Used |
| | | 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 Hierarchical Level

| | |
|-----------|-------------------|
| 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) | M | 1 | | Must use |
| 1500 | REF | Reference Information | M | 2 | | 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 | O | AN | 1/12 | Used |
| 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> | | | | | | |
| 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

User Note 1: *Purchase Order Number must be numeric
Min/Max = 10/11 characters*

Semantics:

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

TD1 Carrier Details (Quantity and Weight)

| | |
|--------------------|-------------|
| Pos: 1100 | Max: 1 |
| Detail - Mandatory | |
| Loop: HL | Elements: 4 |

User Option (Usage): Must use

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 | O | AN | 3/5 | Used |

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

User Note 1: *Mandatory when BSN01=00*

CodeList Summary (Total Codes: 155, Included: 2)

Code Name

CTN Carton

PLT Pallet

CodeList Summary (Total Codes: 57, Included: 2)

Code Name

25 Corrugated or Solid

94 Wood

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

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

User Note 1: *TD102 must be greater than 0
Max length = 6 digits*

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

Description: Numeric value of weight

User Note 1:
Mandatory when BSN01=00

TD107 must be greater than 0

| | | | | | | |
|-------|-----|------------------------------------|---|----|-----|------|
| TD108 | 355 | Unit or Basis for Measurement Code | X | 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

User Note 1:
Mandatory when BSN01=00

CodeList Summary (Total Codes: 844, 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.

User Note 1:

Mandatory when BSN01= 00

REF Reference Information

| | |
|--------------------|-------------|
| Pos: 1500 | Max: 2 |
| 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: 2)

Code Name

| | |
|----|------------------------|
| CO | Customer Order Number |
| IA | Internal 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

User Note 1: Value must be all numeric

Min/Max when REF01 = CO, 1/8 digits
Min/Max when REF01 = IA, 1/5 digits

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.

User Note 1:

Vendor Number (REF01=IA) is Mandatory.
Customer Order Number (REF01=CO) is Mandatory when BSN01=06.

Loop Hierarchical Level

| | |
|-----------|-------------------|
| 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 | O | >1 | | 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 | O | AN | 1/12 | Used |
| 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: 2) | | | | | | |
| <u>Code</u> <u>Name</u> | | | | | | |
| P Pack | | | | | | |
| T Shipping Tare | | | | | | |

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 - Optional | |
| Loop: HL | Elements: 2 |

User Option (Usage): Used

Purpose: To indicate identifying marks and numbers for shipping containers

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|-----------------------------|------------|-------------|----------------|--------------|
| MAN01 | 88 | 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

User Note 1:

Mandatory for Drop Ship (BSN01=06)

GM EAN.UCC Serial Shipping Container Code (SSCC) and Application Identifier

User Note 1:

Mandatory for Warehouse order (BSN01=00).

| | | | | | | |
|-------|----|-------------------|---|----|------|----------|
| 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

User Note 1: *Max length = 30 characters*

Syntax Rules:

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

Semantics:

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

Comments:

1. When MAN01 contains code "UC" (U.P.C. Shipping Container Code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06.
2. MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers.
3. When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.

Loop Hierarchical Level

| | |
|-----------|-------------------|
| 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 | O | 1 | | Used |
| 0300 | SN1 | Item Detail (Shipment) | M | 1 | | Must use |
| 0700 | PID | Product/Item Description | M | 1 | | Must use |
| 1500 | REF | Reference Information | O | >1 | | 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 | O | AN | 1/12 | Used |
| 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 - Optional | |
| Loop: HL | Elements: 7 |

User Option (Usage): Used

Purpose: To specify basic item identification data

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|-------------------------|------------|-------------|----------------|--------------|
| LIN01 | 350 | Assigned Identification | M | AN | 1/20 | Must use |

Description: Alphanumeric characters assigned for differentiation within a transaction set

User Note 1:

Line Number sent on the PO must be sent back on all return documents to aid in reconciling order where the same SKU is on multiple lines.

Must be numeric and 1/3 digits in length

| | | | | | | |
|-------|-----|------------------------------|---|----|-----|----------|
| 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

SK Stock Keeping Unit (SKU)

| | | | | | | |
|-------|-----|--------------------|---|----|------|----------|
| LIN03 | 234 | Product/Service ID | M | AN | 1/48 | Must use |
|-------|-----|--------------------|---|----|------|----------|

Description: Identifying number for a product or service

User Note 1: *The Sportsman's Guide Part Number*

Min/Max = 13/13

| | | | | | | |
|-------|-----|------------------------------|---|----|-----|------|
| LIN04 | 235 | Product/Service ID Qualifier | C | ID | 2/2 | Used |
|-------|-----|------------------------------|---|----|-----|------|

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User Note 1:

One of the following is required: EN, UP, or UK.

CodeList Summary (Total Codes: 519, Included: 3)

Code Name

EN EAN/UCC - 13

UK GTIN 14-digit Data Structure

UP UCC - 12

| | | | | | | |
|-------|-----|--------------------|---|----|------|------|
| LIN05 | 234 | Product/Service ID | X | AN | 1/48 | Used |
|-------|-----|--------------------|---|----|------|------|

Description: Identifying number for a product or service

User Note 1: *Must be a numeric value*

Min/Max = 12/14

| | | | | | | |
|-------|-----|------------------------------|---|----|-----|------|
| LIN06 | 235 | Product/Service ID Qualifier | O | ID | 2/2 | Used |
|-------|-----|------------------------------|---|----|-----|------|

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

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

CodeList Summary (Total Codes: 519, Included: 1)

Code Name

VN Vendor's (Seller's) Item Number

| | | | | | | |
|-------|-----|---------------------------|---|----|-------|------|
| LIN07 | 234 | Product/Service ID | X | AN | 12/14 | Used |
|-------|-----|---------------------------|---|----|-------|------|

Description: Identifying number for a product or service

User Note 1: *Max length 48 characters*

Syntax Rules:

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

Semantics:

1. LIN01 is the line item identification

Comments:

1. See the Data Dictionary for a complete list of IDs.
2. LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

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 | 1/10 | Must use |

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

User Note 1: *SN102 must be greater than 0*

| | | | | | | |
|-------|-----|------------------------------------|---|----|-----|----------|
| 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: 1)

Code Name

EA Each

Syntax Rules:

1. P0506 - If either SN105 or SN106 is present, then the other is required.

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: 1 |
| Detail - Mandatory | |
| Loop: HL | Elements: 3 |

User Option (Usage): Must use

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

| | | | | | | |
|-------|-----|-------------------------------------|---|----|-----|----------|
| 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: 1)

Code Name

08 Product

| | | | | | | |
|-------|-----|-------------|---|----|------|----------|
| PID05 | 352 | Description | M | AN | 1/80 | Must use |
|-------|-----|-------------|---|----|------|----------|

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

Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.
3. C0703 - If PID07 is present, then PID03 is required.
4. C0804 - If PID08 is present, then PID04 is required.
5. C0905 - If PID09 is present, then PID05 is required.

Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

REF Reference Information

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

User Option (Usage): Used

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

SE Serial 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

User Note 1: *Max Length = 30 characters*

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.

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 | | | | |

Comments:

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