# 856 Ship Notice/Manifest - Target Corporation Pre-distro

**Revised: February 15, 2001**

**Functional Group ID=SH**

## Introduction:

This Draft Standard for Trial Use 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.

## Notes:

An 856 transmission is to be sent within 60 minutes of the trailer closing at your shipping dock or at the time shipment is released to the carrier.

## Heading:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| M | 010 | ST | Transaction Set Header | M | 1 | | |
| M | 020 | BSN | Beginning Segment for Ship Notice | M | 1 | | |

## Detail:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| | | | LOOP ID – HLS | | | 200000 | |
| M | 010 | HL | Hierarchical Level – Shipment | M | 1 | | c1 |
| M | 110 | TD1 | Carrier Details (Quantity and Weight) | M | 20 | | |
| M | 120 | TD5 | Carrier Details (Routing Sequence/Transit Time) | M | 12 | | |
| | 130 | TD3 | Carrier Details (Equipment) | O | 12 | | |
| M | 150 | REF | Reference Identification | M | >1 | | |
| Must Use | 200 | DTM | Date/Time Reference | O | 10 | | |
| | | | LOOP ID - N1 | | | 200 | |
| M | 220 | N1 | Name | M | 1 | | |
| D | 250 | N4 | Geographic Location | O | 1 | | |
| | | | LOOP ID – HLO | | | 200000 | |
| M | 010 | HL | Hierarchical Level – Order | M | 1 | | |
| M | 050 | PRF | Purchase Order Reference | M | 1 | | |
| M | 070 | PID | Product/Item Description | M | 1 | | |
| | 110 | TD1 | Carrier Details (Quantity and Weight) | O | 20 | | |
| | 150 | REF | Reference Numbers | O | >1 | | |
| | | | LOOP ID - N1 | | | 200 | |
| Must Use | 220 | N1 | Name | O | 1 | | |
| | | | LOOP ID – HLP | | | 200000 | |
| M | 010 | HL | Hierarchical Level – Pack | M | 1 | | |
| | 060 | PO4 | Item Physical Details | O | 1 | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| M | 190 | MAN | Marks and Numbers | M | >1 | | |
| | | | LOOP ID – HLI | | | 200000 | |
| M | 010 | HL | Hierarchical Level – Item | M | 1 | | |
| M | 020 | LIN | Item Identification | M | 1 | | |
| M | 030 | SN1 | Item Detail (Shipment) | M | 1 | | |
| | 040 | SLN | Subline Item Detail | O | 1000 | | |
| | 100 | PKG | Marking, Packaging, Loading | O | 25 | | |
| | 110 | TD1 | Carrier Details (Quantity and Weight) | O | 20 | | |
| | 200 | DTM | Date/Time Reference | O | 10 | | |

## Summary:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| M | 010 | CTT | Transaction Totals | M | 1 | | n1 |
| M | 020 | SE | Transaction Set Trailer | M | 1 | | |

## Transaction Set Notes

**1.** 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.

## Transaction Set Comments

**1.** The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.

## Segment: ST Transaction Set Header

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

**********
Sample ST Segment
_____
ST*856*0001
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **ST01** | **143** | **Transaction Set Identifier Code**<br>Code uniquely identifying a Transaction Set<br>856 Ship Notice/Manifest | **M** | **ID 3/3** |
| **M** | **ST02** | **329** | **Transaction Set Control Number**<br>Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | **M** | **AN 4/9** |

## Segment: **BSN** Beginning Segment for Ship Notice

**Position:** 020
**Loop:**
**Level:** Heading
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To transmit identifying numbers, dates, and other basic data relating to the transaction set
**Syntax Notes:** **1** If BSN07 is present, then BSN06 is required.
**Semantic Notes:** **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.
**Notes:** **********
Sample BSN Segment

BSN*00*234567*20000601*0142*0001 (Pick Pack Format)
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **BSN01** | **353** | **Transaction Set Purpose Code**<br>Code identifying purpose of transaction set<br>00 Original<br>07 Duplicate | **M** | **ID 2/2** |
| **M** | **BSN02** | **396** | **Shipment Identification**<br>A unique control number assigned by the original shipper to identify a specific shipment<br>Note that EDI Standards state that this should be a unique number. Target Corporation applications have been written based on that. This number will be used to differentiate multiple 856s received from a supplier. This number should be different than the Purchase Order or Bill of lading Number. | **M** | **AN 2/30** |
| **M** | **BSN03** | **373** | **Date**<br>Date expressed as CCYYMMDD | **M** | **DT 8/8** |
| **M** | **BSN04** | **337** | **Time**<br>Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | **M** | **TM 4/8** |
| **M** | **BSN05** | **1005** | **Hierarchical Structure Code**<br>Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set<br>0001 Shipment, Order, Packaging, Item<br>Pick & Pack Format | **M** | **ID 4/4** |

## Segment: HL Hierarchical Level - Shipment

**Position:** 010
**Loop:** HLS Mandatory
**Level:** Detail
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To identify dependencies among and the content of hierarchically related groups of data segments
**Syntax Notes:**
**Semantic Notes:**
**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.
The HL segment defines a top-down/left-right ordered structure.

**2** 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.

**3** HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.

**4** 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.

**5** HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

**Notes:**

**********
Sample HL (Shipment Level) Segment
_____
HL*1**S
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **HL01** | **628** | **Hierarchical ID Number**<br>A unique number assigned by the sender to identify a particular data segment in a hierarchical structure | **M** | **AN 1/12** |
| | **HL02** | **734** | **Hierarchical Parent ID Number**<br>Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to<br>Not used by the Retail Industry | **O** | **AN 1/12** |
| **M** | **HL03** | **735** | **Hierarchical Level Code**<br>Code defining the characteristic of a level in a hierarchical structure<br>S Shipment | **M** | **ID 1/2** |

## Segment: TD1 Carrier Details (Quantity and Weight)

**Position:** 110
**Loop:** HLS Mandatory
**Level:** Detail
**Usage:** Mandatory
**Max Use:** 20
**Purpose:** To specify the transportation details relative to commodity, weight, and quantity
**Syntax Notes:**
**1** If TD101 is present, then TD102 is required.
**2** If TD103 is present, then TD104 is required.
**3** If TD106 is present, then TD107 is required.
**4** If either TD107 or TD108 is present, then the other is required.
**5** If either TD109 or TD110 is present, then the other is required.
**Semantic Notes:**
**Comments:**
**Notes:**

**********
Two TD1 segments should be sent when shipping both pallets and loose cartons at this level.

Sample TD1 segment
_____
TD1*CTN *60****G*5060*LB

TD1*PLT *12****G*7480*LB

TD1*CTN25*60****G*5060*LB

TD1*PLT94*12****G*7480*LB
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| **M** | **TD101** | **103** | **Packaging Code** | **M AN 5/5** |

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

This data element contains 2 parts. Part 1 is the first 3 positions. It is alphabetic and those codes valid for Target Stores are the first 5 listed below. Part 2 is the final 2 positions and is numeric. Code value 71 listed below is an example. Target Stores is only concerned with the Part 1 codes. Any legal code or spaces can be used for Part 2. Note though that some translator packages may not allow spaces for Part 2. See Sample TD1 segments above.

| | |
|---|---|
| BAG | Bag |
| CTN | Carton |
| | 25 - Carton Corrugated |
| | 31 - Carton Fiber |
| | 76 - Carton Paper |
| PLT | Pallet |
| | 01 - Pallet Aluminum |
| | 94 - Pallet Wood |
| SLP | Slip Sheet |
| | Shipping containers utilizing slip sheets, which are cardboard platforms used to hold product for storage or transportation |
| SRW | Shrink Wrap |
| | In packaging, a method of securing a unit load by placing a large "bag" of plastic film over the components and applying heat to induce shrinkage and cause the bag to |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | tighten around the contents | | | |
| | | | 71 Not Otherwise Specified<br>This is one of many Part 2 codes for Packaging Code. Please consult the VICS guidelines for more information. | | | |
| **M** | **TD102** | **80** | **Lading Quantity**<br>Number of units (pieces) of the lading commodity | **M** | **N0 1/7** |
| | **TD103** | **23** | **Commodity Code Qualifier**<br>Code identifying the commodity coding system used for Commodity Code<br>Not used by the Retail Industry | **O** | **ID 1/1** |
| | **TD104** | **22** | **Commodity Code**<br>Code describing a commodity or group of commodities<br>Not used by the Retail Industry | **X** | **AN 1/30** |
| | **TD105** | **79** | **Lading Description**<br>Description of an item as required for rating and billing purposes<br>Not used by the Retail Industry | **O** | **AN 1/50** |
| **M** | **TD106** | **187** | **Weight Qualifier**<br>Code defining the type of weight<br>G Gross Weight | **M** | **ID 1/2** |
| **M** | **TD107** | **81** | **Weight**<br>Numeric value of weight | **M** | **R 1/10** |
| **M** | **TD108** | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>LB Pound | **M** | **ID 2/2** |

**Segment:** **TD5** **Carrier Details (Routing Sequence/Transit Time)**
**Position:** 120
**Loop:** HLS Mandatory
**Level:** Detail
**Usage:** Mandatory
**Max Use:** 12
**Purpose:** To specify the carrier and sequence of routing and provide transit time information
**Syntax Notes:**
**1** At least one of TD502 TD504 TD505 TD506 or TD512 is required.
**2** If TD502 is present, then TD503 is required.
**3** If TD507 is present, then TD508 is required.
**4** If TD510 is present, then TD511 is required.
**5** If TD513 is present, then TD512 is required.
**6** If TD514 is present, then TD513 is required.
**7** If TD515 is present, then TD512 is required.
**Semantic Notes:**
**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.
**Notes:**
**********
Correct information is necessary for matching to the corresponding EDI 214 Carrier Shipment Status Message.

Sample TD5 Segment

_____
TD5*B*2*SOCS*C*Consolidator Name (consolidator example)

TD5*B*2*RDWY*M (truckload or LTL carrier example)

TD5*B*2*RPSI*U*RPS (private parcel example)
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **TD501** | **133** | **Routing Sequence Code** | **M** | **ID 1/2** |
| | | | Code describing the relationship of a carrier to a specific shipment movement | | |
| | | | B Origin/Delivery Carrier (Any Mode) | | |
| **M** | **TD502** | **66** | **Identification Code Qualifier** | **M** | **ID 1/2** |
| | | | Code designating the system/method of code structure used for Identification Code (67) | | |
| | | | 2 Standard Carrier Alpha Code (SCAC) | | |
| **M** | **TD503** | **67** | **Identification Code** | **M** | **AN 4/4** |
| | | | Code identifying a party or other code | | |
| | | | Target Corporation requires a 4-character alpha code managed by the National Motor Freight Traffic Association. See notes above. When in a consolidation zone, the consolidator's SCAC is required; Southeast Consolidators = (SOCS), National Retail Center=(NART), United Warehouse = (UWDC) | | |
| **M** | **TD504** | **91** | **Transportation Method/Type Code** | **M** | **ID 1/2** |
| | | | Code specifying the method or type of transportation for the shipment | | |
| | | | A Air | | |
| | | | C Consolidation | | |
| | | | M Motor (Common Carrier) | | |
| | | | Truckload or LTL | | |
| | | | U Private Parcel Service | | |
| | | | Parcel Package | | |

| | | | | |
|---|---|---|---|---|
| **TD505** | **387** | **Routing**<br>Free-form description of the routing or requested routing for shipment, or the originating carrier's identity<br>If TD504='U', TD505='UPS' or 'RPS'<br><br>If TD504='C', TD505=name of consolidator | **O** | **AN 1/35** |
| **TD506** | **368** | **Shipment/Order Status Code**<br>Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction<br>NOT USED BY TARGET CORPORATION | **X** | **ID 2/2** |
| **TD507** | **309** | **Location Qualifier**<br>Code identifying type of location<br>NOT USED BY TARGET CORPORATION | **O** | **ID 1/2** |
| **TD508** | **310** | **Location Identifier**<br>Code which identifies a specific location<br>NOT USED BY TARGET CORPORATION | **X** | **AN 1/30** |
| **TD509** | **731** | **Transit Direction Code**<br>The point of origin and point of direction<br>Not used by the Retail Industry | **O** | **ID 2/2** |
| **TD510** | **732** | **Transit Time Direction Qualifier**<br>Code specifying the value of time used to measure the transit time<br>CD Calendar Days (Includes weekends and Holidays)<br>HO Hours | **O** | **ID 2/2** |
| **TD511** | **733** | **Transit Time**<br>The numeric amount of transit time | **X** | **R 1/4** |

## Segment: TD3 Carrier Details (Equipment)

**Position:** 130
**Loop:** HLS Mandatory
**Level:** Detail
**Usage:** Optional
**Max Use:** 12
**Purpose:** To specify transportation details relating to the equipment used by the carrier
**Syntax Notes:**
**1** Only one of TD301 or TD310 may be present.
**2** If TD302 is present, then TD303 is required.
**3** If TD304 is present, then TD305 is required.
**4** If either TD305 or TD306 is present, then the other is required.
**Semantic Notes:**
**Comments:**
**Notes:**

**********
Sample TD3 Segment
_____
TD3*TL*ABCDE*12345
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **TD301** | **40** | **Equipment Description Code**<br>Code identifying type of equipment used for shipment<br>TL Trailer (not otherwise specified) | **M** | **ID 2/2** |
| **M** | **TD302** | **206** | **Equipment Initial**<br>Prefix or alphabetic part of an equipment unit's identifying number | **M** | **AN 1/4** |
| **M** | **TD303** | **207** | **Equipment Number**<br>Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) | **M** | **AN 1/10** |

## Segment: REF Reference Identification

**Position:** 150
**Loop:** HLS Mandatory
**Level:** Detail
**Usage:** Mandatory
**Max Use:** >1
**Purpose:** To specify identifying information
**Syntax Notes:**
**1** At least one of REF02 or REF03 is required.
**2** If either C04003 or C04004 is present, then the other is required.
**3** If either C04005 or C04006 is present, then the other is required.
**Semantic Notes:**
**1** REF04 contains data relating to the value cited in REF02.
**Comments:**
**Notes:**

**********
This segment is critical for matching the EDI 214 Carrier Status Message with your EDI 856 Ship Notice Message.

Target Corporation requires:
A UNIQUE Bill of Lading (BOL) number for each shipment.
The TYPE of BOL used is determined by the MODE of transportation.

1) When routing via truck load carrier, one unique BOL is preferred per trailer.
If constraints require a BOL per Purchase Order, then a Master BOL must be used to summarize the underlying bills of lading. When a Master BOL # is used, transmit this number on the 856. The Master BOL # must be passed to the carrier as the Shipment BOL # for the 214.

2) When routing via LTL carrier, one individual BOL # is preferred per Ship-to location.
If constraints require a BOL per Purchase Order, then a Master BOL must be used to summarize the underlying bills of lading. When a Master BOL # is used, transmit this number on the 856. The Master BOL # must be passed to the carrier as the Shipment BOL # for the 214.

3) When routing to a Target Corporation consolidator, a Master BOL # must be used and sent on the 856. The Master BOL # must reflect the actual BOL # given to the carrier on the Master BOL form.

4) When a BOL # and a shipper # are both present on a paper BOL, it is required that the unique BOL # is sent on the 856.

5) When the BOL form does not include a BOL #, but has a Shipper #, then the Shipper # is used as the BOL # on both the EDI 856 and 214.

Sample REF Segment
_____
REF*BM*30582

REF*CN*123456789
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/2** |
| | | | Code qualifying the Reference Identification | | |
| | | | BM Bill of Lading Number | | |
| | | | Required except when shipping via Air or Private Parcel (i.e. If TD504 NOT equal 'A', 'AE' or 'U'. | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | CN | Carrier's Reference Number (PRO/Invoice)<br>Required when shipping via Air or Private Parcel (i.e. If TD504 equals 'A', 'AE' or 'U'). | | |
| **M** | **REF02** | **127** | **Reference Identification**<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | **M** | **AN 1/30** |

## Segment: DTM Date/Time Reference

**Position:** 200
**Loop:** HLS Mandatory
**Level:** Detail
**Usage:** Optional (Must Use)
**Max Use:** 10
**Purpose:** To specify pertinent dates and times
**Syntax Notes:**
**1** At least one of DTM02 DTM03 or DTM05 is required.
**2** If DTM04 is present, then DTM03 is required.
**3** If either DTM05 or DTM06 is present, then the other is required.
**Semantic Notes:**
**Comments:**
**Notes:** A DTM Segment with a qualifier of 011 is REQUIRED.

An 856 transmission is to be sent within 60 minutes of the trailer closing at your shipping dock or at the time shipment is released to the carrier.

Sample DTM Segment
_____

DTM*011*20010120
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **DTM01** | **374** | **Date/Time Qualifier**<br>Code specifying type of date or time, or both date and time<br>011 Shipped | **M** | **ID 3/3** |
| | **DTM02** | **373** | **Date**<br>Date expressed as CCYYMMDD | **X** | **DT 8/8** |

## Segment: N1 Name

**Position:** 220
**Loop:** N1 Mandatory
**Level:** Detail
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To identify a party by type of organization, name, and code
**Syntax Notes:**
**1** At least one of N102 or N103 is required.
**2** If either N103 or N104 is present, then the other is required.
**Semantic Notes:**
**Comments:**
**1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
**2** N105 and N106 further define the type of entity in N101.
**Notes:**

**********
Sample N1 Segment

_____
N1*BS**92*0551

N1*SF**91*0001
N1*BS**92*0552
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **N101** | **98** | **Entity Identifier Code**<br>Code identifying an organizational entity, a physical location, property or an individual<br>BS Bill and Ship To<br>SF Ship From | **M** | **ID 2/2** |
| | **N102** | **93** | **Name**<br>Free-form name<br>NOT USED BY TARGET CORPORATION | **O** | **AN 1/35** |
| **M** | **N103** | **66** | **Identification Code Qualifier**<br>Code designating the system/method of code structure used for Identification Code (67)<br>Per Target Corporation Standards:<br>*N103 code "91" is only valid with an N101 equal to SF and corresponding N104 information would be assigned by the seller.<br>*N103 code "92" is only valid with an N101 equal to BS<br>91 Assigned by Seller or Seller's Agent<br>92 Assigned by Buyer or Buyer's Agent | **M** | **ID 1/2** |
| **M** | **N104** | **67** | **Identification Code**<br>Code identifying a party or other code<br>When N101 = BS, this is a four digit Ship To/Bill To location number.<br><br>This element is mandatory for Predistro. | **M** | **AN 2/17** |

## Segment: N4 Geographic Location

**Position:** 250
**Loop:** N1 Mandatory
**Level:** Detail
**Usage:** Optional (Dependent)
**Max Use:** 1
**Purpose:** To specify the geographic place of the named party
**Syntax Notes:** **1** If N406 is present, then N405 is required.
**Semantic Notes:**
**Comments:** **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
**2** N402 is required only if city name (N401) is in the U.S. or Canada.
**Notes:** **********
This segment is required for Target Corporation only if the N101 is equal to "SF".

Sample N1/N4 Segment
_____

N1*SF*CITYVILLE*91*022
N4*ANYCITY*MN*38676
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| >> | **N401** | **19** | **City Name**<br>Free-form text for city name | **O** | **AN 2/30** |
| >> | **N402** | **156** | **State or Province Code**<br>Code (Standard State/Province) as defined by appropriate government agency | **O** | **ID 2/2** |
| >> | **N403** | **116** | **Postal Code**<br>Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | **O** | **ID 3/15** |
| | **N404** | **26** | **Country Code**<br>Code identifying the country | **O** | **ID 2/3** |

## Segment: HL Hierarchical Level - Order

**Position:** 010
**Loop:** HLO Mandatory
**Level:** Detail
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To identify dependencies among and the content of hierarchically related groups of data segments
**Syntax Notes:**
**Semantic Notes:**
**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.
The HL segment defines a top-down/left-right ordered structure.

**2** 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.

**3** HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.

**4** 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.

**5** HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

**Notes:**

**********
Sample HL (Order Level) Segment
_____
HL*2*1*O

An HL at Order Level must be sent for every Mark for Location.
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **HL01** | **628** | **Hierarchical ID Number**<br>A unique number assigned by the sender to identify a particular data segment in a hierarchical structure | **M** | **AN 1/12** |
| **M** | **HL02** | **734** | **Hierarchical Parent ID Number**<br>Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to | **M** | **AN 1/12** |
| **M** | **HL03** | **735** | **Hierarchical Level Code**<br>Code defining the characteristic of a level in a hierarchical structure<br>O Order | **M** | **ID 1/2** |

## Segment: PRF Purchase Order Reference

**Position:** 050
**Loop:** HLO Mandatory
**Level:** Detail
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To provide reference to a specific purchase order
**Syntax Notes:**
**Semantic Notes:** **1** PRF04 is the date assigned by the purchaser to purchase order.
**Comments:**
**Notes:**

**********
Sample PRF Segment
_____
PRF*0040-0434720

PRF*0040-0434720-0551
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **PRF01** | **324** | **Purchase Order Number**<br>Identifying number for Purchase Order assigned by the orderer/purchaser<br>Identifying number sent on 850 Purchase Order in the BEG03 segment. | **M** | **AN 1/22** |
| | **PRF02** | **328** | **Release Number**<br>Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction | **O** | **AN 1/30** |

## Segment: PID Product/Item Description

**Position:** 070
**Loop:** HLO Mandatory
**Level:** Detail
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To describe a product or process in coded or free-form format
**Syntax Notes:**
**1** If PID04 is present, then PID03 is required.
**2** At least one of PID04 or PID05 is required.
**3** If PID07 is present, then PID03 is required.
**4** If PID08 is present, then PID04 is required.
**5** If PID09 is present, then PID05 is required.
**Semantic Notes:**
**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.
**Notes:**

**********
Sample PID Segment
_____

PID*S**VI*FL
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **PID01** | **349** | **Item Description Type**<br>Code indicating the format of a description<br>S Structured (From Industry Code List) | **M** | **ID 1/1** |
| | **PID02** | **750** | **Product/Process Characteristic Code**<br>Code identifying the general class of a product or process characteristic<br>Not used by Target Corporation | **O** | **ID 2/3** |
| >> | **PID03** | **559** | **Agency Qualifier Code**<br>Code identifying the agency assigning the code values<br>VI Voluntary Inter-Industry Commerce Standard (VICS) EDI | **X** | **ID 2/2** |
| >> | **PID04** | **751** | **Product Description Code**<br>A code from an industry code list which provides specific data about a product characteristic<br>FL Compliant with Fair Labor Standards Act<br>ZZ FLSA Non-Compliance or Not applicable. | **X** | **AN 1/12** |
| | **PID05** | **352** | **Description**<br>A free-form description to clarify the related data elements and their content<br>When PID04 = ZZ, this field will contain NC for Non-Compliance with FLSA or NA when FLSA is not applicable. | **X** | **AN 1/80** |

## Segment: TD1 Carrier Details (Quantity and Weight)

**Position:** 110
**Loop:** HLO Mandatory
**Level:** Detail
**Usage:** Optional
**Max Use:** 20
**Purpose:** To specify the transportation details relative to commodity, weight, and quantity
**Syntax Notes:**
**1** If TD101 is present, then TD102 is required.
**2** If TD103 is present, then TD104 is required.
**3** If TD106 is present, then TD107 is required.
**4** If either TD107 or TD108 is present, then the other is required.
**5** If either TD109 or TD110 is present, then the other is required.
**Semantic Notes:**
**Comments:**
**Notes:**

**********
Sample TD1 Segment
_____
TD1*CTN *60****G*5060*LB

TD1*CTN25*60****G*5060*LB
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **TD101** | **103** | **Packaging Code**<br>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<br>This data element contains 2 parts. Part 1 is the first 3 positions. It is alphabetic and those codes valid for Target Stores are the first 3 listed below. Part 2 is the final 2 positions and is numeric. Code value 71 listed below is an example. Target Stores is only concerned with the Part 1 codes. Any legal code or spaces can be used for Part 2. Note though that some translator packages may not allow spaces for Part 2. See Sample TD1 segments above.<br>BAG Bag<br>CTN Carton<br>25 - Carton Corrugated<br>31 - Carton Fiber<br>76 - Carton Paper<br>PLT Pallet<br>01 - Pallet Aluminum<br>94 - Pallet Wood<br>71 Not Otherwise Specified<br>This is one of many Part 2 codes for Packaging Code. Please consult the VICS guidelines for more information. | **M** | **AN 5/5** |
| **M** | **TD102** | **80** | **Lading Quantity**<br>Number of units (pieces) of the lading commodity | **M** | **N0 1/7** |
| | **TD103** | **23** | **Commodity Code Qualifier**<br>Code identifying the commodity coding system used for Commodity Code<br>Not used by Retail Industry | **O** | **ID 1/1** |
| | **TD104** | **22** | **Commodity Code**<br>Code describing a commodity or group of commodities<br>Not used by Retail Industry | **X** | **AN 1/30** |
| | **TD105** | **79** | **Lading Description**<br>Description of an item as required for rating and billing purposes<br>Not used by Retail Industry | **O** | **AN 1/50** |

| | | | | | |
|---|---|---|---|---|---|
| **M** | **TD106** | **187** | **Weight Qualifier**<br>Code defining the type of weight<br>G Gross Weight | **M** | **ID 1/2** |
| **M** | **TD107** | **81** | **Weight**<br>Numeric value of weight | **M** | **R 1/10** |
| **M** | **TD108** | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>LB Pound | **M** | **ID 2/2** |

## Segment: REF Reference Numbers

**Position:** 150
**Loop:** HLO Mandatory
**Level:** Detail
**Usage:** Optional
**Max Use:** >1
**Purpose:** To specify identifying information
**Syntax Notes:**
**1** At least one of REF02 or REF03 is required.
**2** If either C04003 or C04004 is present, then the other is required.
**3** If either C04005 or C04006 is present, then the other is required.
**Semantic Notes:**
**1** REF04 contains data relating to the value cited in REF02.
**Comments:**
**Notes:**

**********
Sample REF Segment
_____
REF*IV*123456
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **REF01** | **128** | **Reference Identification Qualifier**<br>Code qualifying the Reference Identification<br>BT Batch Number<br>CH Customer catalog number<br>CO Customer Order Number<br>DP Department Number<br>IA Internal Vendor Number<br>IT Internal Customer Number<br>IV Seller's Invoice Number<br>MR Merchandise Type Code<br>PD Promotion/Deal Number<br>SB Sales Region Number<br>VN Vendor Order Number | **M** | **ID 2/2** |
| | **REF02** | **127** | **Reference Number**<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | **X** | **AN 1/30** |

## Segment: N1 Name

**Position:** 220
**Loop:** N1 Optional (Must Use)
**Level:** Detail
**Usage:** Optional (Must Use)
**Max Use:** 1
**Purpose:** To identify a party by type of organization, name, and code
**Syntax Notes:**
**1** At least one of N102 or N103 is required.
**2** If either N103 or N104 is present, then the other is required.
**Semantic Notes:**
**Comments:**
**1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
**2** N105 and N106 further define the type of entity in N101.
**Notes:**
**********
Sample N1 Segment
_____
N1*MA**92*0001

For every Mark for Location, an HL at Order Level must be sent.
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **N101** | **98** | **Entity Identifier Code**<br>Code identifying an organizational entity, a physical location, property or an individual<br>MA Party for whom Item is Ultimately Intended | **M** | **ID 2/3** |
| | **N102** | **93** | **Name**<br>Free-form name<br>NOT USED BY TARGET CORPORATION | **X** | **AN 1/60** |
| | **N103** | **66** | **Identification Code Qualifier**<br>Code designating the system/method of code structure used for Identification Code (67)<br>92 Assigned by Buyer or Buyer's Agent | **X** | **ID 1/2** |
| >> | **N104** | **67** | **Identification Code**<br>Code identifying a party or other code<br>This will be a four digit location number. For Predistro this will always be the Mark For Store | **X** | **AN 2/80** |

## Segment: HL Hierarchical Level - Pack

**Position:** 010
**Loop:** HLP Mandatory
**Level:** Detail
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To identify dependencies among and the content of hierarchically related groups of data segments
**Syntax Notes:**
**Semantic Notes:**
**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.
The HL segment defines a top-down/left-right ordered structure.

**2** 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.

**3** HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.

**4** 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.

**5** HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

**Notes:**

**********
Sample HL (Pack Level) Segment
_____
HL*4*3*P
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **HL01** | **628** | **Hierarchical ID Number**<br>A unique number assigned by the sender to identify a particular data segment in a hierarchical structure | **M** | **AN 1/12** |
| **M** | **HL02** | **734** | **Hierarchical Parent ID Number**<br>Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to | **M** | **AN 1/12** |
| **M** | **HL03** | **735** | **Hierarchical Level Code**<br>Code defining the characteristic of a level in a hierarchical structure<br>P Pack | **M** | **ID 1/2** |

## Segment: PO4 Item Physical Details

**Position:** 060
**Loop:** HLP Mandatory
**Level:** Detail
**Usage:** Optional
**Max Use:** 1
**Purpose:** To specify the physical qualities, packaging, weights, and dimensions relating to the item

**Syntax Notes:**
**1** If either PO402 or PO403 is present, then the other is required.
**2** If PO405 is present, then PO406 is required.
**3** If either PO406 or PO407 is present, then the other is required.
**4** If either PO408 or PO409 is present, then the other is required.
**5** If PO410 is present, then PO413 is required.
**6** If PO411 is present, then PO413 is required.
**7** If PO412 is present, then PO413 is required.
**8** If PO413 is present, then at least one of PO410 PO411 or PO412 is required.
**9** If PO417 is present, then PO416 is required.
**10** If PO418 is present, then PO404 is required.

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

**Comments:**
**1** PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
**2** PO413 defines the unit of measure for PO410, PO411, and PO412.

**Notes:**
**********
The PO4 is not used by Target Stores for Predistro.

Sample PO4 Segment
_____
PO4*6
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **PO401** | **356** | **Pack**<br>The number of inner containers, or number of eaches if there are no inner containers, per outer container | **M** | **N0 1/6** |

## Segment: MAN Marks and Numbers

**Position:** 190
**Loop:** HLP Mandatory
**Level:** Detail
**Usage:** Mandatory
**Max Use:** >1
**Purpose:** To indicate identifying marks and numbers for shipping containers
**Syntax Notes:**
**1** If either MAN04 or MAN05 is present, then the other is required.
**2** If MAN06 is present, then MAN05 is required.
**Semantic Notes:**
**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. 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.
**Notes:**

**********
Predistro requires a GM qualifier in the MAN01 with a unique 20-digit barcode for each carton in the MAN02.

Ranging is not allowed for Predistro.

Sample MAN Segments

_____
MAN*GM*00000123456789876751
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **MAN01** | **88** | **Marks and Numbers Qualifier**<br>Code specifying the application or source of Marks and Numbers (87)<br>GM SSCC-18 and Application Identifier | **M** | **ID 1/2** |
| **M** | **MAN02** | **87** | **Marks and Numbers**<br>Marks and numbers used to identify a shipment or parts of a shipment | **M** | **AN 1/48** |

## Segment: HL Hierarchical Level - Item

**Position:** 010
**Loop:** HLI Mandatory
**Level:** Detail
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To identify dependencies among and the content of hierarchically related groups of data segments
**Syntax Notes:**
**Semantic Notes:**
**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.
The HL segment defines a top-down/left-right ordered structure.

**2** 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.

**3** HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.

**4** 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.

**5** HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

**Notes:**

**********
Sample HL (Item Level) Segment
_____
HL*5*4*I
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **HL01** | **628** | **Hierarchical ID Number**<br>A unique number assigned by the sender to identify a particular data segment in a hierarchical structure | **M** | **AN 1/12** |
| **M** | **HL02** | **734** | **Hierarchical Parent ID Number**<br>Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to | **M** | **AN 1/12** |
| **M** | **HL03** | **735** | **Hierarchical Level Code**<br>Code defining the characteristic of a level in a hierarchical structure<br>I Item | **M** | **ID 1/2** |

## Segment: LIN Item Identification

**Position:** 020
**Loop:** HLI Mandatory
**Level:** Detail
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To specify basic item identification data
**Syntax Notes:**
**1** If either LIN04 or LIN05 is present, then the other is required.
**2** If either LIN06 or LIN07 is present, then the other is required.
**3** If either LIN08 or LIN09 is present, then the other is required.
**4** If either LIN10 or LIN11 is present, then the other is required.
**5** If either LIN12 or LIN13 is present, then the other is required.
**6** If either LIN14 or LIN15 is present, then the other is required.
**7** If either LIN16 or LIN17 is present, then the other is required.
**8** If either LIN18 or LIN19 is present, then the other is required.
**9** If either LIN20 or LIN21 is present, then the other is required.
**10** If either LIN22 or LIN23 is present, then the other is required.
**11** If either LIN24 or LIN25 is present, then the other is required.
**12** If either LIN26 or LIN27 is present, then the other is required.
**13** If either LIN28 or LIN29 is present, then the other is required.
**14** If either LIN30 or LIN31 is present, then the other is required.
**Semantic Notes:**
**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.

**Notes:**

**********
Always send either Target Corporation DPCI number with a CB qualifier or the assigned UPC number with a UP qualifier.

Target Stores currently does not accept the EN (European Article Number) in the LIN segment on the Predistro 856.

Sample LIN Segment

LIN**CB*019060025*UP*039800088628

LIN**UP*039800088628
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| | LIN01 | 350 | **Assigned Identification** | O | AN 1/20 |
| | | | Alphanumeric characters assigned for differentiation within a transaction set | | |
| M | LIN02 | 235 | **Product/Service ID Qualifier** | M | ID 2/2 |
| | | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | |
| | | | CB Buyer's Catalog Number | | |
| | | | Target Corporation's 9 digit DPCI number | | |
| | | | EN European Article Number (EAN) (2-5-5-1) | | |
| | | | Not accepted by Target Stores. | | |
| | | | UP U.P.C. Consumer Package Code (1-5-5-1) | | |
| M | LIN03 | 234 | **Product/Service ID** | M | AN 1/48 |
| | | | Identifying number for a product or service | | |

| | | | | |
|---|---|---|---|---|
| **LIN04** | **235** | **Product/Service ID Qualifier** | **O** | **ID 2/2** |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | |
| | | CB Buyer's Catalog Number | | |
| | | EN European Article Number (EAN) (2-5-5-1) | | |
| | | Not accepted by Target Stores. | | |
| | | UP U.P.C. Consumer Package Code (1-5-5-1) | | |
| **LIN05** | **234** | **Product/Service ID** | **X** | **AN 1/48** |
| | | Identifying number for a product or service | | |
| **LIN06** | **235** | **Product/Service ID Qualifier** | **O** | **ID 2/2** |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | |
| | | CB Buyer's Catalog Number | | |
| | | EN European Article Number (EAN) (2-5-5-1) | | |
| | | Not accepted by Target Stores. | | |
| | | UP U.P.C. Consumer Package Code (1-5-5-1) | | |
| **LIN07** | **234** | **Product/Service ID** | **X** | **AN 1/48** |
| | | Identifying number for a product or service | | |

## Segment: SN1 Item Detail (Shipment)

**Position:** 030
**Loop:** HLI Mandatory
**Level:** Detail
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To specify line-item detail relative to shipment
**Syntax Notes:** **1** If either SN105 or SN106 is present, then the other is required.
**Semantic Notes:** **1** SN101 is the ship notice line-item identification.
**Comments:** **1** SN103 defines the unit of measurement for both SN102 and SN104.
**Notes:**
**********
Sample SN1 Segment
_____
SN1**75*EA
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| | **SN101** | **350** | **Assigned Identification**<br>Alphanumeric characters assigned for differentiation within a transaction set<br>Not used by Retail Industry | **O** | **AN 1/20** |
| **M** | **SN102** | **382** | **Number of Units Shipped**<br>Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set<br>This is the total number of eaches (selling units) within the carton, for the corresponding line item. | **M** | **R 1/10** |
| **M** | **SN103** | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>EA Each | **M** | **ID 2/2** |

## Segment: SLN Subline Item Detail

**Position:** 040
**Loop:** HLI Mandatory
**Level:** Detail
**Usage:** Optional
**Max Use:** 1000
**Purpose:** To specify product subline detail item data
**Syntax Notes:**
**1** If either SLN04 or SLN05 is present, then the other is required.
**2** If SLN07 is present, then SLN06 is required.
**3** If SLN08 is present, then SLN06 is required.
**4** If either SLN09 or SLN10 is present, then the other is required.
**5** If either SLN11 or SLN12 is present, then the other is required.
**6** If either SLN13 or SLN14 is present, then the other is required.
**7** If either SLN15 or SLN16 is present, then the other is required.
**8** If either SLN17 or SLN18 is present, then the other is required.
**9** If either SLN19 or SLN20 is present, then the other is required.
**10** If either SLN21 or SLN22 is present, then the other is required.
**11** If either SLN23 or SLN24 is present, then the other is required.
**12** If either SLN25 or SLN26 is present, then the other is required.
**13** If either SLN27 or SLN28 is present, then the other is required.
**Semantic Notes:**
**1** SLN01 is the identifying number for the subline item.
**2** SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
**3** SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
**4** SLN08 is a code indicating the relationship of the price or amount to the associated segment.
**Comments:**
**1** See the Data Element Dictionary for a complete list of IDs.
**2** SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
**3** SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
**Notes:**

**********
Sample SLN Segment
_____
SLN*141**S*180>EA****CB*123456789
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **SLN01** | **350** | **Assigned Identification**<br>Alphanumeric characters assigned for differentiation within a transaction set<br>Assigned ID must refer to LIN01 Assigned ID | **M** | **AN 1/20** |
| | **SLN02** | **350** | **Assigned Identification**<br>Alphanumeric characters assigned for differentiation within a transaction set<br>Not used by Retail Industry | **O** | **AN 1/20** |
| **M** | **SLN03** | **662** | **Configuration Code**<br>Code indicating the relationship between entities<br>I Included<br>S Substituted | **M** | **ID 1/1** |
| | **SLN04** | **380** | **Quantity**<br>Numeric value of quantity | **O** | **R 1/15** |
| **M** | **SLN05** | **C001** | **Composite Unit of Measure**<br>To identify a composite unit of measure (See Figures Appendix for examples of use) | **M** | |

| | | | | | |
|---|---|---|---|---|---|
| **M** | **C00101** | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>EA Each | **M** | **ID 2/2** |
| | **SLN06** | **212** | **Unit Price**<br>Price per unit of product, service, commodity, etc. | **O** | **R 1/17** |
| | **SLN07** | **639** | **Basis of Unit Price Code**<br>Code identifying the type of unit price for an item<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/2** |
| | **SLN08** | **662** | **Relationship Code**<br>Code indicating the relationship between entities<br>Not used by Retail Industry | **O** | **ID 1/1** |
| **M** | **SLN09** | **235** | **Product/Service ID Qualifier**<br>Code identifying the type/source of the descriptive number used in Product/Service ID (234)<br>CB Buyer's Catalog Number<br>EN European Article Number (EAN) (2-5-5-1)<br>UP U.P.C. Consumer Package Code (1-5-5-1) | **M** | **ID 2/2** |
| | **SLN10** | **234** | **Product/Service ID**<br>Identifying number for a product or service | **X** | **AN 1/48** |
| | **SLN11** | **235** | **Product/Service ID Qualifier**<br>Code identifying the type/source of the descriptive number used in Product/Service ID (234)<br>CB Buyer's Catalog Number<br>EN European Article Number (EAN) (2-5-5-1)<br>UP U.P.C. Consumer Package Code (1-5-5-1) | **O** | **ID 2/2** |
| | **SLN12** | **234** | **Product/Service ID**<br>Identifying number for a product or service | **X** | **AN 1/48** |
| | **SLN13** | **235** | **Product/Service ID Qualifier**<br>Code identifying the type/source of the descriptive number used in Product/Service ID (234)<br>CB Buyer's Catalog Number<br>EN European Article Number (EAN) (2-5-5-1)<br>UP U.P.C. Consumer Package Code (1-5-5-1) | **O** | **ID 2/2** |
| | **SLN14** | **234** | **Product/Service ID**<br>Identifying number for a product or service | **X** | **AN 1/48** |

## Segment: PKG Marking, Packaging, Loading

**Position:** 100
**Loop:** HLI Mandatory
**Level:** Detail
**Usage:** Optional
**Max Use:** 25
**Purpose:** To describe marking, packaging, loading, and unloading requirements
**Syntax Notes:**
**1** At least one of PKG04 PKG05 or PKG06 is required.
**2** If PKG04 is present, then PKG03 is required.
**3** If PKG05 is present, then PKG01 is required.
**Semantic Notes:**
**1** PKG04 should be used for industry-specific packaging description codes.
**Comments:**
**1** Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
**2** If PKG01 equals "F", then PKG05 is used. If PKG01 equals "S", then PKG04 is used. If PKG01 equals "X", then both PKG04 and PKG05 are used.
**3** Use PKG03 to indicate the organization that publishes the code list being referred to.
**4** Special marking or tagging data can be given in PKG05 (description).
**Notes:**

**********
Sample PKG Segment
_____
PKG*S*34*VI*TN03
**********

**Data Element Summary**

| Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|
| **PKG01** | **349** | **Item Description Type**<br>Code indicating the format of a description<br>S Structured (From Industry Code List) | **X** | **ID 1/1** |
| **PKG02** | **753** | **Packaging Characteristic Code**<br>Code specifying the marking, packaging, loading and related characteristics being described<br>34 Product Marking | **O** | **ID 1/5** |
| **PKG03** | **559** | **Agency Qualifier Code**<br>Code identifying the agency assigning the code values<br>VI Voluntary Inter-Industry Commerce Standard (VICS) EDI | **O** | **ID 2/2** |
| **PKG04** | **754** | **Packaging Description Code**<br>A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product<br>Part 1: Service Type (positions 1 & 2)<br>TN=Ticketing Service not as requested<br>Part 2: Ticket Format Code (positions 3 & 4)<br>01=No Ticket<br>02=Hang Tag<br>03=Gummed Label<br>04=Pin Ticket<br>05=String<br>06=Hang Tag<br>07=Dumbell gum<br>08=Double Gummed Label<br>09=Non standard | **X** | **AN 1/7** |

## Segment: TD1 Carrier Details (Quantity and Weight)

**Position:** 110
**Loop:** HLI Mandatory
**Level:** Detail
**Usage:** Optional
**Max Use:** 20
**Purpose:** To specify the transportation details relative to commodity, weight, and quantity
**Syntax Notes:**
**1** If TD101 is present, then TD102 is required.
**2** If TD103 is present, then TD104 is required.
**3** If TD106 is present, then TD107 is required.
**4** If either TD107 or TD108 is present, then the other is required.
**5** If either TD109 or TD110 is present, then the other is required.
**Semantic Notes:**
**Comments:**
**Notes:**

**********
Sample TD1 Segment
_____
TD1*CTN *60****G*5060*LB

TD1*CTN25*60****G*5060*LB
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **TD101** | **103** | **Packaging Code**<br>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<br>This data element contains 2 parts. Part 1 is the first 3 positions. It is alphabetic and those codes valid for Target Stores are the first 3 listed below. Part 2 is the final 2 positions and is numeric. Code value 71 listed below is an example. Target Stores is only concerned with the Part 1 codes. Any legal code or spaces can be used for Part 2. Note though that some translator packages may not allow spaces for Part 2. See Sample TD1 Segments above.<br>BAG Bag<br>CTN Carton<br>25 - Carton Corrugated<br>31 - Carton Fiber<br>76 - Carton Paper<br>PLT Pallet<br>01 - Pallet Aluminum<br>94 - Pallet Wood<br>71 Not Otherwise Specified<br>This is one of many Part 2 codes for Packaging Code. Please consult the VICS guidelines for more information. | **M** | **AN 5/5** |
| **M** | **TD102** | **80** | **Lading Quantity**<br>Number of units (pieces) of the lading commodity | **M** | **N0 1/7** |
| | **TD103** | **23** | **Commodity Code Qualifier**<br>Code identifying the commodity coding system used for Commodity Code<br>NOT USED BY TARGET STORES | **O** | **ID 1/1** |
| | **TD104** | **22** | **Commodity Code**<br>Code describing a commodity or group of commodities<br>NOT USED BY TARGET STORES | **X** | **AN 1/30** |
| | **TD105** | **79** | **Lading Description**<br>Description of an item as required for rating and billing purposes<br>NOT USED BY TARGET STORES | **O** | **AN 1/50** |

| | | | | | |
|---|---|---|---|---|---|
| **M** | **TD106** | **187** | **Weight Qualifier**<br>Code defining the type of weight<br>G Gross Weight | **M** | **ID 1/2** |
| **M** | **TD107** | **81** | **Weight**<br>Numeric value of weight | **M** | **R 1/10** |
| **M** | **TD108** | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>LB Pound | **M** | **ID 2/2** |

## Segment: DTM Date/Time Reference

**Position:** 200
**Loop:** HLI Mandatory
**Level:** Detail
**Usage:** Optional
**Max Use:** 10
**Purpose:** To specify pertinent dates and times
**Syntax Notes:**
**1** At least one of DTM02 DTM03 or DTM05 is required.
**2** If DTM04 is present, then DTM03 is required.
**3** If either DTM05 or DTM06 is present, then the other is required.
**Semantic Notes:**
**Comments:**
**Notes:**

**********
Sample DTM Segment
_____
DTM*036*20000613
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **DTM01** | **374** | **Date/Time Qualifier**<br>Code specifying type of date or time, or both date and time<br>036 Expiration<br>Date coverage expires | **M** | **ID 3/3** |
| | **DTM02** | **373** | **Date**<br>Date expressed as CCYYMMDD | **X** | **DT 8/8** |

## Segment: CTT Transaction Totals

**Position:** 010
**Loop:**
**Level:** Summary
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To transmit a hash total for a specific element in the transaction set
**Syntax Notes:** **1** If either CTT03 or CTT04 is present, then the other is required.
**2** If either CTT05 or CTT06 is present, then the other is required.
**Semantic Notes:**
**Comments:** **1** This segment is intended to provide hash totals to validate transaction completeness and correctness.
**Notes:**
**********
Sample CTT Segment
_____
CTT*12
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **CTT01** | **354** | **Number of Line Items**<br>Total number of line items in the transaction set<br>The number of HL segments present in the transaction set. | **M** | **N0 1/6** |

## Segment: SE Transaction Set Trailer

**Position:** 020
**Loop:**
**Level:** Summary
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
**Syntax Notes:**
**Semantic Notes:**
**Comments:** **1** SE is the last segment of each transaction set.
**Notes:**

**********
Sample SE Segment
_____
SE*10*0002
**********

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **SE01** | **96** | **Number of Included Segments**<br>Total number of segments included in a transaction set including ST and SE segments | **M** | **N0 1/10** |
| **M** | **SE02** | **329** | **Transaction Set Control Number**<br>Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | **M** | **AN 4/9** |