

Value City Department Stores

X12/V4010/856: 856 Cross-Dock Ship Notice/Manifest

Version: 4.0 Final

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Notes:	Value City requires ASN's for cross-dock orders only

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856 Ship Notice/Manifest

Functional Group=SH

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.

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
LOOP ID - HL					<u>1</u>	<u>C1/0400L</u>	
0500	HL	Hierarchical Level	M	1		C1/0500	Must use
0100	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used
0100	REF	Reference Identification	O	>1			Used
0100	DTM	Date/Time Reference	O	10			Used
LOOP ID - N1					<u>200</u>		

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>
0100	N1	Name	O	1			Used
LOOP ID - HL					<u>200000</u>	<u>C2/2300L</u>	
2400	HL	Hierarchical Level	M	1		C2/2400	Must use
2800	PRF	Purchase Order Reference	O	1			Used
3400	TD1	Carrier Details (Quantity and Weight)	O	20			Used
LOOP ID - N1					<u>200</u>		
6100	N1	Name	O	1			Used
LOOP ID - HL					<u>200000</u>	<u>C2/8300L</u>	
8400	HL	Hierarchical Level	M	1		C2/8400	Must use
11600	MAN	Marks and Numbers	O	>1			Used
LOOP ID - HL					<u>200000</u>	<u>C2/14300L</u>	
14400	HL	Hierarchical Level	M	1		C2/14400	Must use
14500	LIN	Item Identification	M	1			Used
14600	SN1	Item Detail (Shipment)	M	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>
0100	CTT	Transaction Totals	O	1		N3/0100	Used
0200	SE	Transaction Set Trailer	M	1			Must use

Notes:

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

Comments:

- 1/0400L The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
- 1/0500 The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
- 2/2300L The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
- 2/2400 The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
- 2/8300L The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
- 2/8400 The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
- 2/14300L The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
- 2/14400 The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.

ST Transaction Set Header

Pos: 0100	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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 All valid standard codes are used.				
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) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

BSN Beginning Segment for Ship Notice

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

User Option (Usage): Must use

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				
		<u>Code</u> <u>Name</u>				
		00 Original				
BSN02	396	Shipment Identification	M	AN	2/30	Must use
		Description: A unique control number assigned by the original shipper to identify a specific shipment				
BSN03	373	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
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				
		User Note 1: <i>Pick and Pack Structure</i>				
		All valid standard codes are used.				

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.

User Note 1:

*Example: BSN*00*27523*20070209*1619*0001*

Loop HL

Pos: 0400	Repeat: 1
Mandatory	
Loop: HL	Elements: N/A

User Option (Usage): Must use

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>
0500	HL	Hierarchical Level	M	1		Must use
0100	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		Used
0100	REF	Reference Identification	O	>1		Used
0100	DTM	Date/Time Reference	O	10		Used
0100		Loop N1	O		200	Used

HL Hierarchical Level

Pos: 0500	Max: 1
Heading - Mandatory	
Loop: HL	Elements: 4

User Option (Usage): Must use

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				
		Code Name				
		S	Shipment			
HL04	736	Hierarchical Child Code	O	ID	1/1	Used
		Description: Code indicating if there are hierarchical child data segments subordinate to the level being described				
		All valid standard codes are used.				

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.

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 0100	Max: 12
Heading - Optional	
Loop: HL	Elements: 1

User Option (Usage): Used

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>
TD505	387	Routing	X	AN	1/35	Used

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

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.

User Note 1:

REF Reference Identification

Pos: 0100	Max: >1
Heading - Optional	
Loop: HL	Elements: 2

User Option (Usage): Used

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

Code Name

BM Bill of Lading Number

REF02	127	Reference Identification	X	AN	1/30	Used
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

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

User Note 1:

EXAMPLE:
REF*BM*123456

DTM Date/Time Reference

Pos: 0100	Max: 10
Heading - Optional	
Loop: HL	Elements: 2

User Option (Usage): Used

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						
Code Name						
011 Shipped						
067 Current Schedule Delivery						
DTM02	373	Date	X	DT	8/8	Used
Description: Date expressed as CCYYMMDD						

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:

EXAMPLE:
 DTM*011*20070209
 DTM*067*20070210

Loop N1

Pos: 0100	Repeat: 200
Optional	
Loop: N1	Elements: N/A

User Option (Usage): Used

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>
0100	N1	Name	O	1		Used

N1 Name

Pos: 0100	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

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
<p>Description: Code identifying an organizational entity, a physical location, property or an individual</p> <p>Code Name ST Ship To</p>						
N102	93	Name	X	AN	1/60	Used
<p>Description: Free-form name</p>						
N103	66	Identification Code Qualifier	X	ID	1/2	Used
<p>Description: Code designating the system/method of code structure used for Identification Code (67)</p> <p>Code Name 92 Assigned by Buyer or Buyer's Agent</p>						
N104	67	Identification Code	X	AN	2/80	Used
<p>Description: Code identifying a party or other code</p>						

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.

User Note 1:

*EXAMPLE: N1*ST**92*855*
 This is Value City's warehouse number and is sent in the 850 purchase order, N1 segment, with ST qualifier.

Loop HL

Pos: 2300	Repeat: 200000
Mandatory	
Loop: HL	Elements: N/A

User Option (Usage): Must use

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>
2400	HL	Hierarchical Level	M	1		Must use
2800	PRF	Purchase Order Reference	O	1		Used
3400	TD1	Carrier Details (Quantity and Weight)	O	20		Used
6000		Loop N1	O		200	Used

HL Hierarchical Level

Pos: 2400	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 4

User Option (Usage): Must use

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				
		Code Name				
		O	Order			
HL04	736	Hierarchical Child Code	O	ID	1/1	Used
		Description: Code indicating if there are hierarchical child data segments subordinate to the level being described				
		All valid standard codes are used.				

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: 2800	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Used

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						
PRF04	373	Date	O	DT	8/8	Used
Description: Date expressed as CCYYMMDD						

Semantics:

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

User Note 1:

*EXAMPLE: PRF*123091***20061122*

TD1 Carrier Details (Quantity and Weight)

Pos: 3400	Max: 20
Detail - Optional	
Loop: HL	Elements: 8

User Option (Usage): Used

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
<p>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</p> <p>Code Name</p> <p>CTN Carton</p> <p>PLT Pallet</p> <p>Code Name</p> <p>25 Corrugated or Solid</p> <p>76 Paper</p>						
TD102	80	Lading Quantity	X	N0	1/7	Used
<p>Description: Number of units (pieces) of the lading commodity</p>						
TD103	23	Commodity Code Qualifier	O	ID	1/1	Used
<p>Description: Code identifying the commodity coding system used for Commodity Code All valid standard codes are used.</p>						
TD104	22	Commodity Code	X	AN	1/30	Used
<p>Description: Code describing a commodity or group of commodities</p>						
TD105	79	Lading Description	O	AN	1/50	Used
<p>Description: Description of an item as required for rating and billing purposes</p>						
TD106	187	Weight Qualifier	O	ID	1/2	Used
<p>Description: Code defining the type of weight</p> <p>Code Name</p> <p>G Gross Weight</p>						
TD107	81	Weight	X	R	1/10	Used
<p>Description: Numeric value of weight</p>						
TD108	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
<p>Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p>Code Name</p> <p>LB Pound</p>						

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:

*EXAMPLE: TD1*CTN25*1****G*210*LB*

Loop N1

Pos: 6000	Repeat: 200
Optional	
Loop: N1	Elements: N/A

User Option (Usage): Used

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>
6100	N1	Name	O	1		Used

N1 Name

Pos: 6100	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

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						
Code Name						
BY Buying Party (Purchaser)						
N102	93	Name	X	AN	1/60	Used
Description: Free-form name						
N103	66	Identification Code Qualifier	X	ID	1/2	Used
Description: Code designating the system/method of code structure used for Identification Code (67)						
Code Name						
92 Assigned by Buyer or Buyer's Agent						
N104	67	Identification Code	X	AN	2/80	Used
Description: Code identifying a party or other code						

Syntax Rules:

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

Comments:

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

User Note 1:

EXAMPLE:
*N1*BY**92*102 - STORE NUMBER*

Sent in HL Order Loop

Loop HL

Pos: 8300	Repeat: 200000
Mandatory	
Loop: HL	Elements: N/A

User Option (Usage): Used

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>
8400	HL	Hierarchical Level	M	1		Must use
11600	MAN	Marks and Numbers	O	>1		Used

HL Hierarchical Level

Pos: 8400	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 4

User Option (Usage): Must use

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				
		<u>Code</u> <u>Name</u>				
		P Pack				
HL04	736	Hierarchical Child Code	O	ID	1/1	Used
		Description: Code indicating if there are hierarchical child data segments subordinate to the level being described				
		All valid standard codes are used.				

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

Pos: 11600	Max: >1
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Used

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)						
Code Name						
GM SSCC-18 and Application Identifier						
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						

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.

User Note 1:

*EXAMPLE: MAN*GM*00000807485850800010*

Loop HL

Pos: 14300	Repeat: 200000
Mandatory	
Loop: HL	Elements: N/A

User Option (Usage): Must use

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>
14400	HL	Hierarchical Level	M	1		Must use
14500	LIN	Item Identification	M	1		Used
14600	SN1	Item Detail (Shipment)	M	1		Used

HL Hierarchical Level

Pos: 14400	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 4

User Option (Usage): Must use

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				
		<u>Code</u>	<u>Name</u>			
		I	Item			
HL04	736	Hierarchical Child Code	O	ID	1/1	Used
		Description: Code indicating if there are hierarchical child data segments subordinate to the level being described				
		All valid standard codes are used.				

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: 14500	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 9

User Option (Usage): Used

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	O	AN	1/20	Used
Description: Alphanumeric characters assigned for differentiation within a transaction set						
LIN02	235	Product/Service ID Qualifier	M	ID	2/2	Must use
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
Code Name						
IT Buyer's Style Number						
LIN03	234	Product/Service ID	M	AN	1/48	Must use
Description: Identifying number for a product or service						
User Note 1: This value is to be populated just to satisfy X12 requirements - can be either your vendor number or Value City SKU.						
LIN04	235	Product/Service ID Qualifier	X	ID	2/2	Used
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
Code Name						
UP U.P.C. Consumer Package Code (1-5-5-1)						
LIN05	234	Product/Service ID	X	AN	1/48	Used
Description: Identifying number for a product or service						
LIN06	235	Product/Service ID Qualifier	X	ID	2/2	Used
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
Code Name						
VA Vendor's Style Number						
LIN07	234	Product/Service ID	X	AN	1/48	Used
Description: Identifying number for a product or service						
LIN08	235	Product/Service ID Qualifier	X	ID	2/2	Used
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
Code Name						
SK Stock Keeping Unit (SKU)						
LIN09	234	Product/Service ID	X	AN	1/48	Must use

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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Description: Identifying number for a product or service

User Note 1: *This field is mandatory and must be returned to Value City in the ASN to validate information in back-end systems.*

Value City's SKU is sent in the PO1 segment, element PO107 of the 850 purchase order and in the POC segment, POC11 of the 860 purchase order change documents.

If you cannot obtain SKU via EDI PO/PO change document, contact Value City for their SKU number to return back in the ASN.

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.

User Note 1:

EXAMPLE:

*LIN**IT*109846*UP*080748459179*VA*3430*SK*109846*

SN1 Item Detail (Shipment)

Pos: 14600	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 2

User Option (Usage): Used

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						
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						
All valid standard codes are used.						

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.

Comments:

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

User Note 1:

*EXAMPLE: SN1**2*EA*

CTT Transaction Totals

Pos: 0100	Max: 1
Summary - Optional	
Loop: N/A	Elements: 7

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items	M	NO	1/6	Must use
Description: Total number of line items in the transaction set						
CTT02	347	Hash Total	O	R	1/10	Used
Description: Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.						
CTT03	81	Weight	X	R	1/10	Used
Description: Numeric value of weight						
CTT04	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 All valid standard codes are used.						
CTT05	183	Volume	X	R	1/8	Used
Description: Value of volumetric measure						
CTT06	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 All valid standard codes are used.						
CTT07	352	Description	O	AN	1/80	Used
Description: A free-form description to clarify the related data elements and their content						

Syntax Rules:

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

Comments:

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

SE Transaction Set Trailer

Pos: 0200	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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	NO	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.

User Note 1:

```

EXAMPLE OF 856 ASN:
BSN*00*000011644*20070126*1337*0001
HL*1**S
TD5*****TRUCKING COMPANY
REF*BM*123456
DTM*011*20061223
DTM*067*20061223
N1*ST**92*855
HL*2*1*O
PRF*123099
TD1*CTN25*20****G*2000*LB
N1*BY**92*102
HL*3*2*P
MAN*GM*00007327950007289744
HL*4*3*I
LIN*1*IT*107582***VA*Z30639VC*SK*107582
SN1**4*EA
HL*5*3*I
LIN*2*IT*107654***VA*Z30639VC*SK*107654
SN1**2*EA
HL*6*3*I
LIN*3*IT*107655***VA*Z30639VC*SK*107655
SN1**4*EA
HL*7*3*I
LIN*4*IT*107684***VA*Z30639VC*SK*107684
SN1**2*EA
HL*8*2*P
MAN*GM*00007327950007289751
HL*9*8*I
LIN*5*IT*107582***VA*Z30639VC*SK*107582
SN1**4*EA

```

HL*10*8*I
LIN*6*IT*107654***VA*Z30639VC*SK*107654
SN1**2*EA
HL*11*8*I
LIN*7*IT*107655***VA*Z30639VC*SK*107655
SN1**4*EA
HL*12*8*I
LIN*8*IT*107684***VA*Z30639VC*SK*107684
SN1**2*EA
HL*13*2*P
MAN*GM*00007327950007289768
HL*14*13*I
LIN*9*IT*107728***VA*Z30639VC*SK*107728
SN1**4*EA
HL*15*13*I
LIN*10*IT*107729***VA*Z30639VC*SK*107729
SN1**2*EA
HL*16*13*I
LIN*11*IT*107733***VA*Z30639VC*SK*107733
SN1**4*EA
HL*17*13*I
LIN*12*IT*107734***VA*Z30639VC*SK*107734
SN1**2*EA
HL*18*2*P
MAN*GM*00007327950007289775
HL*19*18*I
LIN*13*IT*107728***VA*Z30639VC*SK*107728
SN1**4*EA
HL*20*18*I
LIN*14*IT*107729***VA*Z30639VC*SK*107729
SN1**2*EA
HL*21*18*I
LIN*15*IT*107733***VA*Z30639VC*SK*107733
SN1**4*EA
HL*22*18*I
LIN*16*IT*107734***VA*Z30639VC*SK*107734
SN1**2*EA
HL*23*2*P
MAN*GM*00007327950007289782
HL*24*23*I
LIN*17*IT*107805***VA*Z30639VC*SK*107805
SN1**4*EA
HL*25*23*I
LIN*18*IT*107806***VA*Z30639VC*SK*107806
SN1**2*EA
HL*26*23*I
LIN*19*IT*107807***VA*Z30639VC*SK*107807
SN1**4*EA
HL*27*23*I
LIN*20*IT*107808***VA*Z30639VC*SK*107808
SN1**2*EA
HL*28*1*O
PRF*123099
TD1*CTN25*20****G*2000*LB
N1*BY**92*104
HL*29*28*P
MAN*GM*00007327950007289799
HL*30*29*I
LIN*21*IT*107582***VA*Z30639VC*SK*107582
SN1**4*EA
HL*31*29*I
LIN*22*IT*107654***VA*Z30639VC*SK*107654

SN1**2*EA
HL*32*29*I
LIN*23*IT*107655***VA*Z30639VC*SK*107655
SN1**4*EA
HL*33*29*I
LIN*24*IT*107684***VA*Z30639VC*SK*107684
SN1**2*EA
HL*34*28*P
MAN*GM*00007327950007289805
HL*35*34*I
LIN*25*IT*107582***VA*Z30639VC*SK*107582
SN1**4*EA
HL*36*34*I
LIN*26*IT*107654***VA*Z30639VC*SK*107654
SN1**2*EA
HL*37*34*I
LIN*27*IT*107655***VA*Z30639VC*SK*107655
SN1**4*EA
HL*38*34*I
LIN*28*IT*107684***VA*Z30639VC*SK*107684
SN1**2*EA
HL*39*28*P
MAN*GM*00007327950007289812
HL*40*39*I
LIN*29*IT*107728***VA*Z30639VC*SK*107728
SN1**4*EA
HL*41*39*I
LIN*30*IT*107729***VA*Z30639VC*SK*107729
SN1**2*EA
HL*42*39*I
LIN*31*IT*107733***VA*Z30639VC*SK*107733
SN1**4*EA
HL*43*39*I
LIN*32*IT*107734***VA*Z30639VC*SK*107734
SN1**2*EA
HL*44*28*P
MAN*GM*00007327950007289829
HL*45*44*I
LIN*33*IT*107728***VA*Z30639VC*SK*107728
SN1**4*EA
HL*46*44*I
LIN*34*IT*107729***VA*Z30639VC*SK*107729
SN1**2*EA
HL*47*44*I
LIN*35*IT*107733***VA*Z30639VC*SK*107733
SN1**4*EA
HL*48*44*I
LIN*36*IT*107734***VA*Z30639VC*SK*107734
SN1**2*EA
HL*49*28*P
MAN*GM*00007327950007289836
HL*50*49*I
LIN*37*IT*107805***VA*Z30639VC*SK*107805
SN1**4*EA
HL*51*49*I
LIN*38*IT*107806***VA*Z30639VC*SK*107806
SN1**2*EA
HL*52*49*I
LIN*39*IT*107807***VA*Z30639VC*SK*107807
SN1**4*EA
HL*53*49*I
LIN*40*IT*107808***VA*Z30639VC*SK*107808

SN1**2*EA
 HL*54*1*O
 PRF*123099
 TD1*CTN25*20***G*2000*LB
 N1*BY**92*109
 HL*55*54*P
 MAN*GM*00007327950007289843
 HL*56*55*I
 LIN*41*IT*107582***VA*Z30639VC*SK*107582
 SN1**4*EA
 HL*57*55*I
 LIN*42*IT*107654***VA*Z30639VC*SK*107654
 SN1**2*EA
 HL*58*55*I
 LIN*43*IT*107655***VA*Z30639VC*SK*107655
 SN1**4*EA
 HL*59*55*I
 LIN*44*IT*107684***VA*Z30639VC*SK*107684
 SN1**2*EA
 HL*60*54*P
 MAN*GM*00007327950007289850
 HL*61*60*I
 LIN*45*IT*107582***VA*Z30639VC*SK*107582
 SN1**4*EA
 HL*62*60*I
 LIN*46*IT*107654***VA*Z30639VC*SK*107654
 SN1**2*EA
 HL*63*60*I
 LIN*47*IT*107655***VA*Z30639VC*SK*107655
 SN1**4*EA
 HL*64*60*I
 LIN*48*IT*107684***VA*Z30639VC*SK*107684
 SN1**2*EA
 HL*65*54*P
 MAN*GM*00007327950007289867
 HL*66*65*I
 LIN*49*IT*107728***VA*Z30639VC*SK*107728
 SN1**4*EA
 HL*67*65*I
 LIN*50*IT*107729***VA*Z30639VC*SK*107729
 SN1**2*EA
 HL*68*65*I
 LIN*51*IT*107733***VA*Z30639VC*SK*107733
 SN1**4*EA
 HL*69*65*I
 LIN*52*IT*107734***VA*Z30639VC*SK*107734
 SN1**2*EA
 HL*70*54*P
 MAN*GM*00007327950007289874
 HL*71*70*I
 LIN*53*IT*107728***VA*Z30639VC*SK*107728
 SN1**4*EA
 HL*72*70*I
 LIN*54*IT*107729***VA*Z30639VC*SK*107729
 SN1**2*EA
 HL*73*70*I
 LIN*55*IT*107733***VA*Z30639VC*SK*107733
 SN1**4*EA
 HL*74*70*I
 LIN*56*IT*107734***VA*Z30639VC*SK*107734
 SN1**2*EA
 HL*75*54*P

MAN*GM*00007327950007289881
 HL*76*75*I
 LIN*57*IT*107805***VA*Z30639VC*SK*107805
 SN1**4*EA
 HL*77*75*I
 LIN*58*IT*107806***VA*Z30639VC*SK*107806
 SN1**2*EA
 HL*78*75*I
 LIN*59*IT*107807***VA*Z30639VC*SK*107807
 SN1**4*EA
 HL*79*75*I
 LIN*60*IT*107808***VA*Z30639VC*SK*107808
 SN1**2*EA
 HL*80*1*O
 PRF*123099
 TD1*CTN25*20****G*2000*LB
 N1*BY**92*112
 HL*81*80*P
 MAN*GM*00007327950007289898
 HL*82*81*I
 LIN*61*IT*107582***VA*Z30639VC*SK*107582
 SN1**4*EA
 HL*83*81*I
 LIN*62*IT*107654***VA*Z30639VC*SK*107654
 SN1**2*EA
 HL*84*81*I
 LIN*63*IT*107655***VA*Z30639VC*SK*107655
 SN1**4*EA
 HL*85*81*I
 LIN*64*IT*107684***VA*Z30639VC*SK*107684
 SN1**2*EA
 HL*86*80*P
 MAN*GM*00007327950007289904
 HL*87*86*I
 LIN*65*IT*107582***VA*Z30639VC*SK*107582
 SN1**4*EA
 HL*88*86*I
 LIN*66*IT*107654***VA*Z30639VC*SK*107654
 SN1**2*EA
 HL*89*86*I
 LIN*67*IT*107655***VA*Z30639VC*SK*107655
 SN1**4*EA
 HL*90*86*I
 LIN*68*IT*107684***VA*Z30639VC*SK*107684
 SN1**2*EA
 HL*91*80*P
 MAN*GM*00007327950007289911
 HL*92*91*I
 LIN*69*IT*107728***VA*Z30639VC*SK*107728
 SN1**4*EA
 HL*93*91*I
 LIN*70*IT*107729***VA*Z30639VC*SK*107729
 SN1**2*EA
 HL*94*91*I
 LIN*71*IT*107733***VA*Z30639VC*SK*107733
 SN1**4*EA
 HL*95*91*I
 LIN*72*IT*107734***VA*Z30639VC*SK*107734
 SN1**2*EA
 HL*96*80*P
 MAN*GM*00007327950007289928
 HL*97*96*I

LIN*73*IT*107728***VA*Z30639VC*SK*107728
SN1**4*EA
HL*98*96*I
LIN*74*IT*107729***VA*Z30639VC*SK*107729
SN1**2*EA
HL*99*96*I
LIN*75*IT*107733***VA*Z30639VC*SK*107733
SN1**4*EA
HL*100*96*I
LIN*76*IT*107734***VA*Z30639VC*SK*107734
SN1**2*EA
HL*101*80*P
MAN*GM*00007327950007289935
HL*102*101*I
LIN*77*IT*107805***VA*Z30639VC*SK*107805
SN1**4*EA
HL*103*101*I
LIN*78*IT*107806***VA*Z30639VC*SK*107806
SN1**2*EA
HL*104*101*I
LIN*79*IT*107807***VA*Z30639VC*SK*107807
SN1**4*EA
HL*105*101*I
LIN*80*IT*107808***VA*Z30639VC*SK*107808
SN1**2*EA
CTT*000105
SE*306*000900001