



HD Supply Facilities Maintenance

856 Ship Notice/Manifest

Version 4060

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

856 Ship Notice/Manifest

Functional Group = SH

Header

USER REQ	REQ DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
M	M	1	100	ST	Transaction Set Header
M	M	1	200	BSN	Beginning Segment for Ship Notice

Detail

USER REQ	REQ DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
				LOOP HL (Shipment)	Max: 200000 Required
M	M	1	100	HL	Hierarchical Level
M	O	20	1100	TD1	Carrier Details (Quantity and Weight)
M	O	12	1200	TD5	Carrier Details (Routing Sequence/Transit Time)
M	O	>1	1500	REF	Reference Information
M	O	10	2000	DTM	Date/Time Reference
				LOOP N1	Max: 200 Required
M	M	1	2200	N1	Party Identification
M	O	2	2400	N3	Party Location
M	O	1	2500	N4	Geographic Location
				LOOP HL (Order)	Max: 200000 Required
M	M	1	100	HL	Hierarchical Level
M	O	1	500	PRF	Purchase Order Reference
				LOOP HL (Pack)	Max: 200000 Required
M	M	1	100	HL	Hierarchical Level



M	O	>1	1900	MAN	Marks and Numbers Information
				LOOP HL (Item)	Max: 200000 Required
M	M	1	100	HL	Hierarchical Level
M	O	1	200	LIN	Item Identification
M	O	1	300	SN1	Item Detail (Shipment)
O	O	>1	1500	REF	Reference Information

Summary

USER REQ	REQ DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
M	O	1	100	CTT	Transaction Totals
M	M	1	200	SE	Transaction Set Trailer

ST Transaction Set Header

Position: 100**Loop:****Level:** Header**User Req:** Required**Max Use:** 1**Notes:** User Option (Usage):
Must use**Purpose:**

To indicate the start of a transaction set and to assign a control number

Semantics:

1. The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

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

Example Data: ST*856*0001

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	ID	3/3
				856 Ship Notice/Manifest		
M	M	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	AN	4/9

BSN Beginning Segment for Ship Notice

Position: 200**Loop:****Level:** Header**User Req:** Required**Max Use:** 1**Notes:** User Option (Usage):
Must use**Purpose:**

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

Semantics:

1. BSN03 is the date the shipment transaction set is created.
2. BSN04 is the time the shipment transaction set is created.

Example Data:

BSN*00*ASN00001*20100604*1352

HDS Comments:

1. Only one Shipment is allowed per 856 ASN.
2. Multiple PO's are allowed per 856 ASN.

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	BSN01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original	ID	2/2
M	M	BSN02	396	Shipment Identification A unique control number assigned by the original shipper to identify a specific shipment Note: If using RTS vendor portal your RTS number must be populated in this field	AN	2/16
M	M	BSN03	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	DT	8/8
M	M	BSN04	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	TM	4/8

HL Hierarchical Level

Position: 100**Loop:** HL (Shipment)**Level:** Detail**User Req:** Required**Max Use:** 1**Notes:** User Option (Usage):
Must use**Purpose:**

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

Example Data:

HL*1**S

HDS 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. 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.

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	AN	1/12
M	M	HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure S Shipment	ID	1/2

TD1
TD1 Carrier Details (Quantity and Weight)
Position: 1100

Loop: HL (Shipment)

Level: Detail

User Req: Required

Max Use: 20

Notes: User Option (Usage):
Must use

Purpose:

To specify the transportation details relative to commodity, weight, and quantity

Syntax Rules:

1. If TD101 is present, then TD102 is required.

Example Data:

TD1*PCS*4

HDS Comments:

1. ONLY code used in the TD102 is PCS (hard code) (Lading Unit of Measure)

2. Total number of Pack Loops

**The lading quantity is the # of Packages the carrier is going to deliver. It also represents the number of tracking numbers that are needed to be relayed in the MAN segment.

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	O	TD101	103	Packaging Code	ID	3/5
				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		
				Code : Name PCS : Pieces		
M	O	TD102	80	Lading Quantity	N0	1/7
				Number of units (pieces) of the lading commodity		

TD5

TD5 Carrier Details (Routing Sequence/Transit Time)

Position: 1200

Loop: HL (Shipment)

Level: Detail

User Req: Required

Max Use: 12

Notes: User Option (Usage):
Must use

Purpose:

To specify the carrier and sequence of routing and provide transit time information

Syntax Rules:

1. At least one of TD502, TD504, TD505, TD506 or TD512 is required.
2. If TD502 is present, then TD503 is required.

Example Data:

TD5**2*UPSN**UPS

HDS Comments:

1. When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD503 to identify the party responsible for defining the routing sequence, and use TD505 to identify the actual routing sequence, specified by the party identified in TD503.
2. Please refer to the routing guide at <http://supplier.hubsupply.com>

HD Supply vendor compliance - carrier selection

1. Go to <https://supplier.hubsupply.com/>.
2. Click 'Shipping Instructions and Compliance'.
3. Open download and go to Sheet 'HDS_Origin-Destination_Selector'.
4. Choose your Ship From origin state.
5. Utilize carrier next to destination state.

Reference:

Carrier Name : SCAC

FedEx Freight Economy : FXNL

R & L Carriers : RLCA

AAA Cooper Transportation : AACT

YRC Roadway : RDWY

Conway : CNWY

Averitt : AVRT

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	O	TD502	66	Identification Code Qualifier	ID	1/2
				Code designating the system/method of code structure used for Identification		
				2 Standard Carrier Alpha Code (SCAC)		
M	O	TD503	67	Identification Code	AN	2/80
				Code identifying a party or other code		



M O TD505 387

Routing

AN

1/35

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

REF

REF Reference Information

Position: 1500**Loop:** HL (Shipment)**Level:** Detail**User Req:** Required**Max Use:** >1**Notes:** User Option (Usage):
Must usePurpose:
To specify identifying informationExample Data:
REF*VR*4020
REF*BM*1615000HDS Comments:
HD Supply assigned supplier code that was sent in the 850 Purchase Order, REF segment with a qualifier of "VR" in REF01.
Only one BM (Bill of Lading #) per 856 document.

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification VR Vendor ID Number BM Bill of Lading Number	ID	2/3
M	O	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	AN	1/50

DTM Date/Time Reference

Position: 2000**Loop:** HL (Shipment)**Level:** Detail**User Req:** Required**Max Use:** 10**Notes:** User Option (Usage):
Must usePurpose:
To specify pertinent dates and timesExample Data:
DTM*011*20200106
DTM*067*20200114HDS Comments:
DTM11 is the date the product was shipped by the supplier.
DTM67 is the date the product is to reach its destination

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	DTM01	374	Date/Time Qualifier	ID	3/3
				Code specifying type of date or time, or both date and time		
				011 Shipped		
				067 Current Schedule Delivery		
M	O	DTM02	373	Date	DT	8/8
				Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year		

N1

N1 Party Identification

Position: 2200**Loop:** N1 (Shipment)**Level:** Detail**User Req:** Required**Max Use:** 1**Notes:** User Option (Usage):
Must use

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

Example Data:

N1*ST*Name of customer (Drop Ship)

N1*ST*HD Supply*6*CA20 (HDS Distribution Center)

HDS Comments:

N103 and N104 is required if you are shipping to a HD Supply Distribution Center

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual ST Ship To SF Ship From	ID	2/3
M	O	N102	93	Name Free-form name	AN	1/60
X	O	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification 6 HD Supply Plant Code	ID	1/2
X	O	N104	67	Identification Code Code identifying a party or other code	AN	2/80

N3**N3 Party Location****Position:** 2400**Loop:** N1 (Shipment)**Level:** Detail**User Req:** Required**Max Use:** 2**Notes:** User Option (Usage):
Must use

Purpose:

To specify the location of the named party

Example Data:

N3*10650 Washington St

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	N301	166	Address Information	AN	1/55
				Address information		
O	O	N302	166	Address Information	AN	1/55
				Address information		

N4

N4 Geographic Location

Position: 2500**Loop:** N1 (Shipment)**Level:** Detail**User Req:** Required**Max Use:** 1**Notes:** User Option (Usage):
Must usePurpose:
To specify the geographic place of the named partyExample Data:
N4*Pembroke Pines*FL*330253500*USAHDS Comments:
The postal code provided in N403 must not contain any dashes or spaces.
N402 is required only if city name (N401) is in the U.S. or Canada.

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

HL Hierarchical Level

Position: 100**Loop:** HL (Order)**Level:** Detail**User Req:** Required**Max Use:** 1**Notes:** User Option (Usage):
Must use**Purpose:**

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

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.

Example Data:

HL*2*1*O

HDS Comments:

Only one order loop is allowed per ASN.

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

PRF**PRF Purchase Order Reference****Position:** 500**Loop:** HL (Order)**Level:** Detail**User Req:** Required**Max Use:** 1**Notes:** User Option (Usage):
Must usePurpose:
To provide reference to a specific purchase order.Example Data:
PRF*4700018081HDS Comments:
This is the original HDS PO number sent on the 850.

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	PRF01	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser.	AN	1/22

HL Hierarchical Level

Position: 100**Loop:** HL (Pack)**Level:** Detail**User Req:** Required**Max Use:** 1**Notes:** User Option (Usage):
Must use**Purpose:**

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

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.

Example Data:

HL*3*2*P

HDS Comments:

For each package sent in the shipment that has its own tracking number HDS requires a HL Pack loop. E.g. If 2 items are packed in 2 cases then 2 HL Pack loops will be required. Whereas if 10 items are packed in 1 case then only 1 HL Pack loop is required.

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	AN	1/12
M	O	HL02	734	Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	AN	1/12
M	M	HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure	ID	1/2

P

Pack

MAN Marks and Numbers Information

Position: 1900

Loop: HL (Pack)

Level: Detail

User Req: Required

Max Use: >1

Notes: User Option (Usage):
Must use

Purpose:
To indicate identifying marks and numbers for shipping containers.

Semantics:
1. MAN01/MAN02 may be used to identify two different marks and numbers assigned to the same physical container.

Example Data:
MAN*CP*2222222222

HDS Comments:
As far as HDS is concerned it is the identification number for the package and what # you provide in this field, would depend on the shipment type. This also would be considered the tracking number/Pro Number.

If it is a small-package shipment such as UPS or FEDEX, then the assigned number would be considered the "carrier assigned reference number" and potentially would look like: 1Z1223344556677889 or 96110190177915870376

However, for TL it's the Bill Of Lading Number, and LTL it would be the PRO number. (NO Dashes or leading zeros allowed)

As for labels, HDS please see Supplier Reference Manual at
<http://supplier.hdsupply.com/>

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	MAN01	88	Marks and Numbers Qualifier	ID	1/2
				Code specifying the application or source of Marks and Numbers		
				CP Carrier-Assigned Package ID Number		
M	M	MAN02	87	Marks and Numbers	AN	1/48
				Marks and numbers used to identify a shipment or parts of a shipment.		
				NOTE: HD Supply only uses 20 characters DO NOT SEND DASHES		

HL Hierarchical Level

Position: 100**Loop:** HL (Item)**Level:** Detail**User Req:** Required**Max Use:** 1**Notes:** User Option (Usage):
Must use**Purpose:**

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

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.

Example Data:

HL*4*3*1

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	AN	1/12
M	O	HL02	734	Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	AN	1/12
M	M	HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure	ID	1/2
				I Item		

LIN Item Identification

Position: 200**Loop:** HL (Item)**Level:** Detail**User Req:** Required**Max Use:** 1**Notes:** User Option (Usage):
Must usePurpose:
To specify basic item identification data

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.

Semantics:

1. LIN01 is the line item identification.

Comments:

1. See the Data Dictionary for a complete list of IDs.
2. LIN02 through LIN07 provide for different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Example Data:

LIN*1*VP*vendor part#*SK*204890*PL*1

HDS Comments:

LIN07 is the line item identification and must be the same as the corresponding item sent in the 850 PO101.

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	O	LIN01	350	Assigned Identification	AN	1/20
				Alphanumeric characters assigned for differentiation within a transaction set		
M	M	LIN02	235	Product/Service ID Qualifier	ID	2/2
				Code identifying the type/source of the descriptive number used in Product/Service ID		
				VP Vendor's (Seller's) Part Number		
M	M	LIN03	234	Product/Service ID	AN	1/48
				Identifying number for a product or service		
M	O	LIN04	235	Product/Service ID Qualifier	ID	2/2
				Code identifying the type/source of the descriptive number used in Product/Service ID		
				SK Stock Keeping Unit (SKU)		
M	O	LIN05	234	Product/Service ID	AN	1/48
				Identifying number for a product or service		



M	O	LIN06	235	Product/Service ID Qualifier	ID	2/2
				Code identifying the type/source of the descriptive number used in Product/Service ID		
				PL Purchaser's Order Line Number		
M	O	LIN07	234	Product/Service ID	AN	1/48
				Identifying number for a product or service		

SN1

SN1 Item Detail (Shipment)

Position: 300**Loop:** HL (Item)**Level:** Detail**User Req:** Required**Max Use:** 1**Notes:** User Option (Usage):
Must usePurpose:
To specify line-item detail relative to shipment.Semantics:
1. SN101 is the ship notice line-item identification.Example Data:
SN1*1*10*EAHDS Comments:
SN103 defines the unit of measurement for SN102, it is expected you will provide the same UOM code found in the original PO.

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
O	O	SN101	350	Assigned Identification	AN	1/20
M	M	SN102	382	Number of Units Shipped	R	1/10
				Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set		
M	M	SN103	355	Unit or Basis for Measurement Code	ID	2/2
				Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
				BA Bale		
				BG Bag		
				BO Bottle		
				BX Box		
				CA Case		
				CT Carton		
				DI Dispenser		
				DZ Dozen		
				EA Each		
				FT Foot		
				IN Inch		
				KT Kit		
				PK Package		

PR	Pair
RL	Roll
SF	Square Foot
TB	Tube
VI	Vial

REF

REF Reference Information

Position: 1500**Loop:** HL (Item)**Level:** Detail**User Req:** Optional**Max Use:** >1**Notes:** User Option (Usage):
Used

NOTE: Used for Serialized Parts Only

Purpose:
To specify identifying information.Syntax Rules:
1. At least one of REF02 or REF03 is required.Example Data:
REF*SE*2365481HDS Comments:
Serial Number is referring to the particular product ID #. NOTE: This segment is only used for serialized parts. If the item is not a serialized part then this segment would not exist.

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification SE Serial Number	ID	2/3
M	O	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	AN	1/50

CTT

CTT Transaction Totals

Position: 100**Loop:****Level:** Summary**User Req:** Required**Max Use:** 1**Notes:** User Option (Usage):
Must use**Purpose:**

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

Example Data:

CTT*10*100

HDS Comments:

This segment is intended to provide hash totals to validate transaction completeness and correctness. CTT01 is the sum / count of all HL Item Loop.

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	CTT01	354	Number of Line Items	N0	1/6
				Total number of line items in the transaction set (HL Loops)		
M	O	CTT02	347	Hash Total	R	1/10
				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		

SE Transaction Set Trailer

Position: 200**Loop:****Level:** Summary**User Req:** Required**Max Use:** 1**Notes:** User Option (Usage):
Must use**Purpose:**

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Comments:

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

Example Data:

SE*47*0001~

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	SE01	96	Number of Included Segments	N0	1/10
				Total number of segments included in a transaction set including ST and SE segments		
M	M	SE02	329	Transaction Set Control Number	AN	4/9
				Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		