856 Ship Notice/Manifest

X12/V4010/856 : 856 Ship Notice/Manifest

Status: Final

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Table of Contents

856 Ship Notice/Manifest

Functional Group=SH

Purpose: 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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	BSN	Beginning Segment for Ship Notice	M	1			Must use
040	DTM	Date/Time Reference	O	10			Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - HL					**200000**	**C2/010L**	
010	HL	Hierarchical Level	M	1		C2/010	Must use
110	TD1	Carrier Details (Quantity and Weight)	O	20			Must use
120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Must use
150	REF	Reference Identification	O	>1			Must use
210	FOB	F.O.B. Related Instructions	O	1			Must use
LOOP ID - N1					**200**		
220	N1	Name	O	1			Must use
230	N2	Additional Name Information	O	2			Used
240	N3	Address Information	O	2			Must use
250	N4	Geographic Location	O	1			Must use
LOOP ID - HL					**200000**	**C2/010L**	
010	HL	Hierarchical Level	M	1		C2/010	Must use
050	PRF	Purchase Order Reference	O	1			Must use
LOOP ID - HL					**200000**	**C2/010L**	
010	HL	Hierarchical Level	M	1		C2/010	Must use
020	LIN	Item Identification	O	1			Must use
030	SN1	Item Detail (Shipment)	O	1			Must use
150	REF	Reference Identification	O	>1			Must use
150	REF	Reference Identification	O	>1			Must use
150	REF	Reference Identification	O	>1			Must use
150	REF	Reference Identification	O	>1			Must use
150	REF	Reference Identification	O	>1			Must use

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
150	REF	Reference Identification	O	>1			Must use
150	REF	Reference Identification	O	>1			Must use
150	REF	Reference Identification	O	>1			Must use
150	REF	Reference Identification	O	>1			Must use
150	REF	Reference Identification	O	>1			Must use
150	REF	Reference Identification	O	>1			Must use
150	REF	Reference Identification	O	>1			Must use
150	REF	Reference Identification	O	>1			Must use
150	REF	Reference Identification	O	>1			Must use
190	MAN	Marks and Numbers	O	>1			Optional
200	DTM	Date/Time Reference	O	10			Used
335	YNQ	Yes/No Question	O	10			Must use

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	CTT	Transaction Totals	O	1		N3/010	Used
020	SE	Transaction Set Trailer	M	1			Must use

ST   Transaction Set Header

<table>
<tr><td>Pos: 010</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set

Code	Name
856	Ship Notice/Manifest

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

BSN Beginning Segment for Ship Notice

Pos: 020   **Max: 1**

Heading - Mandatory

Loop: N/A   Elements: 4

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BSN01	353	**Transaction Set Purpose Code**	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set

Code	Name
00	Original

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

User Note 1: *Should be unique for every transaction. Cannot be re-used.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BSN03	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

DTM　Date/Time Reference

<table>
<tr><td>Pos: 040</td><td>Max: 10</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Must use

Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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
017	Estimated Delivery

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	**Date**	X	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM03	337	**Time**	X	TM	4/8	Used

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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM04	623	**Time Code**	O	ID	2/2	Optional

Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

User Note 1: *All valid standard codes accepted*

USAGE:

SHIPPED date is mandatory

Loop Hierarchical Level

Pos: 010	Repeat: 200000
Mandatory	
Loop: HL	**Elements: N/A**

User Option (Usage): Must use

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	HL	Hierarchical Level	M	1		Must use
110	TD1	Carrier Details (Quantity and Weight)	O	20		Must use
120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		Must use
150	REF	Reference Identification	O	>1		Must use
210	FOB	F.O.B. Related Instructions	O	1		Must use
220		Loop N1	O		200	Must use

USAGE:

SHIPMENT Level

HL Hierarchical Level

<div style="border:1px solid black">
Pos: 010   Max: 1

Detail - Mandatory

Loop: HL   Elements: 2
</div>

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

TD1 Carrier Details (Quantity and Weight)

Pos: 110	Max: 20
Detail - Optional	
Loop: HL	**Elements: 5**

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD101	103	**Packaging Code**	O	AN	3/5	Must use

Description: Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required

Code	Name
BOX	Box
CAS	Case
PLT	Pallet

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD102	80	**Lading Quantity**	X	N0	1/7	Must use

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

TD106	187	**Weight Qualifier**	O	ID	1/2	Used

Description: Code defining the type of weight

Code	Name
G	Gross Weight

TD107	81	**Weight**	X	R	1/10	Used

Description: Numeric value of weight

TD108	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

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

Code	Name
LB	Pound

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 120	Max: 12
Detail - Optional	
Loop: HL	**Elements: 6**

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD501	133	**Routing Sequence Code**	O	ID	1/2	Used

Description: Code describing the relationship of a carrier to a specific shipment movement

Code	Name
B	Origin/Delivery Carrier (Any Mode)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD502	66	**Identification Code Qualifier**	X	ID	1/2	Must use

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

Code	Name
2	Standard Carrier Alpha Code (SCAC)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD503	67	**Identification Code**	X	AN	2/80	Must use

Description: Code identifying a party or other code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD504	91	**Transportation Method/Type Code**	X	ID	1/2	Used

Description: Code specifying the method or type of transportation for the shipment

Code	Name
E	Expedited Truck
M	Motor (Common Carrier)
O	Containerized Ocean
R	Rail
U	Private Parcel Service
AE	Air Express
DT	Electronic (Delivery Notification Only)
LT	Less Than Trailer Load (LTL)
PB	Priority Mail (eg. Federal APO Locations)
SR	Supplier (Dedicated) Truck

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD512	284	**Service Level Code**	X	ID	2/2	Used

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

Code	Name
3D	Three Day Service

Code	Name
AE	Air Economy
CG	Ground
DT	Electronic (Delivery Notification Only)
ES	Expedited Service
ND	Next Day Air
	Description: *Delivery during business day hours of next business day*
PN	Next Day by Noon
PR	Next Day by 5:00 P.M.
PS	Second Day by Noon

REF   Reference Identification

Pos: 150	Max: >1
Detail - Optional	
Loop: HL	**Elements: 2**

User Option (Usage): Must use

Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

User Note 1: *Either one of Bill of Lading Number or Freight Bill Number is required*

Code **Name**

BM   Bill of Lading Number
CN   Carrier's Reference Number (PRO/Invoice)
FR   Freight Bill Number
IA   Internal Vendor Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

User Note 1: *Use "ELECTRONIC" as Bill of Lading number value for Electronic Delivery (License/Warranty/Renewals)*

Internal Vendor Number should be sent on all ship notices and should match the 850

User Note 2: *Nonphysical products must have a SCAC of "ELEC" and a Tracking Number of "ELECTRONIC".*

User Note 3: *Vendor delivery trucks (i.e. private fleet) used for products delivered to CDW warehouses should use valid SCACs and Tracking Numbers when available. If not available, please use "VNDT" as the SCAC. This aligns with the CDW Transportation Routing Guide. When a valid tracking number is not available, please use the invoice number as the tracking number (and shipment number). For direct customer shipments (drop ship POs), valid SCACs and Tracking Numbers must be used.*

FOB F.O.B. Related Instructions

<div style="border:1px solid black">

Pos: 210   Max: 1

Detail - Optional

Loop: HL   Elements: 1

</div>

User Option (Usage): Must use

Purpose: To specify transportation instructions relating to shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB01	146	**Shipment Method of Payment**	M	ID	2/2	Must use

Description: Code identifying payment terms for transportation charges

Code	Name
BP	Paid by Buyer

Description: *The buyer agrees to the transportation payment term requiring the buyer to pay transportation charges to a specified location (origin or destination location)*

CA	Advance Collect
CC	Collect
MX	Mixed
PA	Advance Prepaid
PC	Prepaid but Charged to Customer
PP	Prepaid (by Seller)
PS	Paid by Seller

Description: *The seller agrees to the transportation payment term requiring the seller to pay transportation charges to a specified location (origin or destination location)*

TP	Third Party Pay

Loop Name

<table>
<tr><td>Pos: 220</td><td>Repeat: 200</td></tr>
<tr><td colspan="2">Optional</td></tr>
<tr><td>Loop: N1</td><td>Elements: N/A</td></tr>
</table>

User Option (Usage): Must use

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
220	N1	Name	O	1		Must use
230	N2	Additional Name Information	O	2		Used
240	N3	Address Information	O	2		Must use
250	N4	Geographic Location	O	1		Must use

USAGE:

Ship From and Ship To Address Information is mandatory and needs to be provided for all shipments.

N1 Name

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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
SF	Ship From
ST	Ship To

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/60	Must use

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	X	ID	1/2	Optional

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

Code	Name
1	D-U-N-S Number, Dun & Bradstreet
12	Telephone Number (Phone)
91	Assigned by Seller or Seller's Agent
92	Assigned by Buyer or Buyer's Agent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	O	AN	2/80	Optional

Description: Code identifying a party or other code

N2   Additional Name Information

Pos: 230	**Max: 2**
Detail - Optional	
Loop: N1	**Elements: 2**

User Option (Usage): Used

Purpose: To specify additional names or those longer than 35 characters in length

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N201	93	**Name**	M	AN	1/60	Must use
		Description: Free-form name				
N202	93	**Name**	O	AN	1/60	Used
		Description: Free-form name				

N3   Address Information

Pos: 240	Max: 2
Detail - Optional	
Loop: N1	Elements: 2

User Option (Usage): Must use

Purpose: To specify the location of the named party

Element Summary:

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

N4 Geographic Location

Pos: 250	Max: 1
Detail - Optional	
Loop: N1	**Elements: 4**

User Option (Usage): Must use

Purpose: To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Must use

Description: Free-form text for city name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N402	156	**State or Province Code**	O	ID	2/2	Must use

Description: Code (Standard State/Province) as defined by appropriate government agency

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N403	116	**Postal Code**	O	ID	3/15	Must use

Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N404	26	**Country Code**	O	ID	2/3	Must use

Description: Code identifying the country

Loop Hierarchical Level

Pos: 010	Repeat: 200000
Mandatory	
Loop: HL	**Elements: N/A**

User Option (Usage): Must use

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	HL	Hierarchical Level	M	1		Must use
050	PRF	Purchase Order Reference	O	1		Must use

USAGE:

ORDER Level

HL Hierarchical Level

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

PRF **Purchase Order Reference**

Pos: 050   **Max: 1**
Detail - Optional
Loop: HL   **Elements: 2**

User Option (Usage): Must use

Purpose: To provide reference to a specific purchase order

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PRF01	324	**Purchase Order Number**	M	AN	1/22	Must use

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PRF04	373	**Date**	O	DT	8/8	Used

Description: Date expressed as CCYYMMDD

Loop Hierarchical Level

Pos: 010	Repeat: 200000
Mandatory	
Loop: HL	**Elements: N/A**

User Option (Usage): Must use

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	HL	Hierarchical Level	M	1		Must use
020	LIN	Item Identification	O	1		Must use
030	SN1	Item Detail (Shipment)	O	1		Must use
150	REF	Reference Identification	O	>1		Must use
150	REF	Reference Identification	O	>1		Must use
150	REF	Reference Identification	O	>1		Must use
150	REF	Reference Identification	O	>1		Must use
150	REF	Reference Identification	O	>1		Must use
150	REF	Reference Identification	O	>1		Must use
150	REF	Reference Identification	O	>1		Must use
150	REF	Reference Identification	O	>1		Must use
150	REF	Reference Identification	O	>1		Must use
150	REF	Reference Identification	O	>1		Must use
150	REF	Reference Identification	O	>1		Must use
150	REF	Reference Identification	O	>1		Must use
150	REF	Reference Identification	O	>1		Must use
150	REF	Reference Identification	O	>1		Must use
190	MAN	Marks and Numbers	O	>1		Optional
200	DTM	Date/Time Reference	O	10		Used
335	YNQ	Yes/No Question	O	10		Must use

USAGE:

ITEM Level

HL Hierarchical Level

Pos: 010	Max: 1
Detail - Mandatory	
Loop: HL	**Elements: 3**

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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
I	Item

LIN   Item Identification

<div style="border:1px solid black">

Pos: 020   **Max: 1**

Detail - Optional

Loop: HL   **Elements: 19**
</div>

User Option (Usage): Must use

Purpose: To specify basic item identification data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN01	350	**Assigned Identification**	O	AN	1/20	Used

Description: Alphanumeric characters assigned for differentiation within a transaction set

User Note 1: *Should match PO Line number provided by CDW on the 850*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

BP   Buyer's Part Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN03	234	**Product/Service ID**	M	AN	1/48	Must use

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN04	235	**Product/Service ID Qualifier**	X	ID	2/2	Must use

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

Code Name

MG   Manufacturer's Part Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN05	234	**Product/Service ID**	X	AN	1/48	Must use

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

VP   Vendor's (Seller's) Part Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN07	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

UP   U.P.C. Consumer Package Code (1-5-5-1)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN09	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN10	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**
C3	Classification

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN11	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

User Note 1: *UNSPSC item classification*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN12	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**
MD	Method of Delivery Code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN13	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

User Note 1: *Use "EL" for electronic delivery*

Use "PH" for physical delivery

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN14	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**
TP	Product Type Code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN15	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

User Note 1: *Use "RN" for renewal sku*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN16	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**
CH	Country of Origin Code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN17	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

User Note 1: *ISO Alpha-3 Country of Origin*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN18	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**
VO	Vendor's Order Number

<u>**Code**</u> <u>Name</u>

Description: *Supplier PO Number cut to OEM or another disti for fulfillment*

LIN19   234   **Product/Service ID**   X   AN   1/48   Used

Description: Identifying number for a product or service

SN1   Item Detail (Shipment)

Pos: 030   Max: 1

Detail - Optional

Loop: HL   Elements: 2

User Option (Usage): Must use

Purpose: To specify line-item detail relative to shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Code Name

EA   Each

REF   Reference Identification

Pos: 150	Max: >1
Detail - Optional	
Loop: HL	**Elements: 2**

User Option (Usage): Must use

Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code	Name
2I	Tracking Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

User Note 1: *Use "ELECTRONIC" as tracking number value for Electronic Delivery (License/Warranty/Renewals)*

USAGE:

Tracking Number is required for all lines. For non-parcel shipments, provide a shipment identification number for each line as the tracking number.

REF   Reference Identification

<div style="border:1px solid black">

Pos: 150   **Max: >1**

Detail - Optional

Loop: HL   **Elements: 2**

</div>

User Option (Usage): Must use

Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code	Name
SE	Serial Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

REF   Reference Identification

User Option (Usage): Must use

Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code	Name
NA	North American Hazardous Classification Number

Description: *HazMat Code - Domestic*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

User Note 1: *HazMat Code - Domestic*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF03	352	**Description**	X	AN	1/80	Used

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

User Note 1: *Description, HazMat Code - Domestic*

REF   Reference Identification

Pos: 150	Max: >1
Detail - Optional	
Loop: HL	**Elements: 3**

User Option (Usage): Must use

Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

    Description: Code qualifying the Reference Identification

Code	Name
UN	United Nations Hazardous Classification Number

REF02	127	**Reference Identification**	X	AN	1/30	Used

    Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

    User Note 1: *HazMat Code - International*

REF03	352	**Description**	X	AN	1/80	Used

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

    User Note 1: *Description, HazMat Code - International*

REF Reference Identification

User Option (Usage): Must use

Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code	Name
W9	Special Packaging Instruction Number (Prop 65 Warning)

Description: *Prop 65 Warning Identification*

| REF02 | 127 | **Reference Identification** | X | AN | 1/30 | Used |

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

User Note 1: *Prop 65 Warning Code*

| REF03 | 352 | **Description** | X | AN | 1/80 | Used |

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

User Note 1: *Description, Prop 65 Warning*

REF   Reference Identification

Pos: 150	**Max: >1**
Detail - Optional	
Loop: HL	**Elements: 2**

User Option (Usage): Must use

Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code	Name
ZZ	EPEAT/Energy Star Compliant

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

User Note 1: *EPEAT/Energy Star flag*

Y for EPEAT/Energy Star compliant

N for EPEAT/Energy Star non-compliant

REF Reference Identification

Pos: 150	Max: >1
Detail - Optional	
Loop: HL	**Elements: 2**

User Option (Usage): Must use

Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code	Name
PRT	Product Type

Description: *Indicate TAA Compliance*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

User Note 1: *TAA flag*

Y for manufactured in the United States or a TAA designated country.

N for TAA non-compliant.

REF Reference Identification

Pos: 150	Max: >1
Detail - Optional	
Loop: HL	**Elements: 2**

User Option (Usage): Must use

Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

   Description: Code qualifying the Reference Identification

Code	Name
ZZ1	Pallet Count per Item

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	Used

   Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

REF   Reference Identification

Pos: 150	Max: >1
Detail - Optional	
Loop: HL	**Elements: 2**

User Option (Usage): Must use

Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

   Description: Code qualifying the Reference Identification

   Code Name

   ZZ2   Box Count per item (Supplier Over-Box)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	Used

   Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

REF　Reference Identification

Pos: 150	Max: >1
Detail - Optional	
Loop: HL	**Elements: 2**

User Option (Usage): Must use

Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code	Name
ZZ3	Case Count per Item (Manufacturer Master Pack)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

REF   Reference Identification

Pos: 150	Max: >1
Detail - Optional	
Loop: HL	**Elements: 2**

User Option (Usage): Must use

Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code	Name
ZZ4	IMEI1

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

REF   Reference Identification

Pos: 150	Max: >1
Detail - Optional	
Loop: HL	**Elements: 2**

User Option (Usage): Must use

Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code	Name
ZZ5	IMEI2

			Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

REF   Reference Identification

Pos: 150	Max: >1
Detail - Optional	
Loop: HL	**Elements: 2**

User Option (Usage): Must use

Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

    Description: Code qualifying the Reference Identification

    Code **Name**

    ZZ6   ICCID

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	Used

    Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

REF Reference Identification

<table>
<tr><td>Pos: 150</td><td>Max: >1</td></tr>
<tr><td colspan="2" align="center">Detail - Optional</td></tr>
<tr><td>Loop: HL</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Must use

Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code	Name
ZZ7	Asset Tag

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

MAN   Marks and Numbers

Pos: 190   Max: >1

Detail - Optional

Loop: HL   Elements: 2

User Option (Usage): Optional

Purpose: To indicate identifying marks and numbers for shipping containers

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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
W	Pallet Number (Pallet "License Plate")

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

DTM Date/Time Reference

Pos: 200   Max: 10

Detail - Optional

Loop: HL   Elements: 2

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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
036	Expiration

Description: *Date coverage expires*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	**Date**	X	DT	8/8	Used

Description: Date expressed as CCYYMMDD

User Note 1: *Manufacturer End Date*

YNQ   Yes/No Question

<table>
<tr><td>Pos: 335</td><td>Max: 10</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: HL</td><td>Elements: 3</td></tr>
</table>

User Option (Usage): Must use

Purpose: To identify and answer yes and no questions, including the date, time, and comments further qualifying the condition

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
YNQ01	1321	**Condition Indicator**	X	ID	2/2	Must use

Description: Code indicating a condition

Code	Name
EF	Has Extended Coverage Insurance

Ref	Id	Element Name	Req	Type	Min/Max	Usage
YNQ02	1073	**Yes/No Condition or Response Code**	M	ID	1/1	Must use

Description: Code indicating a Yes or No condition or response

Code	Name
N	No
Y	Yes

Ref	Id	Element Name	Req	Type	Min/Max	Usage
YNQ05	933	**Free-Form Message Text**	O	AN	1/264	Optional

Description: Free-form message text

CTT Transaction Totals

Pos: 010	**Max: 1**
Summary - Optional	
Loop: N/A	**Elements: 1**

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	**Number of Line Items**	M	N0	1/6	Must use

> **Description:** Total number of line items in the transaction set

SE Transaction Set Trailer

Pos: 020   **Max: 1**
Summary - Mandatory
Loop: N/A   **Elements: 2**

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	**Number of Included Segments**	M	N0	1/10	Must use

Description: Total number of segments included in a transaction set including ST and SE segments

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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