Marine Corps Exchange Ship Notice/Manifest

Author:

Company:

856 Ship Notice/Manifest

Functional Group=SH

Purpose: This Standard 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
0100	ST	Transaction Set Header	M	1			Must use
0200	BSN	Beginning Segment for Ship Notice	M	1			Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - HL					**1**	**C2/0100L**	
0100	HL	Hierarchical Level	M	1		C2/0100	Must use
1100	TD1	Carrier Details (Quantity and Weight)	M	1			Must use
1200	TD5	Carrier Details (Routing Sequence/Transit Time)	M	1			Must use
LOOP ID - TD3					**1**		
1300	TD3	Carrier Details (Equipment)	O	1			Used
1500	REF	Reference Identification	C	2			Must use
2000	DTM	Date/Time Reference	M	2			Must use
2100	FOB	F.O.B. Related Instructions	O	1			Used
LOOP ID - N1					**2**		
2200	N1	Name	M	1			Must use
2400	N3	Address Information	O	1			Used
2500	N4	Geographic Location	O	1			Used
LOOP ID - HL					**200000**	**C2/0100L**	
0100	HL	Hierarchical Level	M	1		C2/0100	Must use
0500	PRF	Purchase Order Reference	M	1			Must use
1100	TD1	Carrier Details (Quantity and Weight)	O	1			Used
1500	REF	Reference Identification	M	1			Must use
LOOP ID - N1					**1**	**N2/2200L**	
2200	N1	Name	C	1			Used
LOOP ID - HL					**200000**	**C2/0100L**	
0100	HL	Hierarchical Level	M	1		C2/0100	Must use
1900	MAN	Marks and Numbers	M	1			Must use

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - HL					**200000**	**C2/0100L**	
0100	HL	Hierarchical Level	M	1		C2/0100	Must use
0200	LIN	Item Identification	M	1			Must use
0300	SN1	Item Detail (Shipment)	M	1			Must use
0700	PID	Product/Item Description	C	4			Must use

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	CTT	Transaction Totals	M	1		N3/0100	Used
0200	SE	Transaction Set Trailer	M	1			Must use

Notes:

2/2200L   Used for Cross dock or Consolidated 856 (850 has SDQ)

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:

2/0100L   The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.

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General Usage:

MCX requires one ASN per Ship To location. For Bulk, Cross Dock or Single Store orders this would be one ASN per PO Header Ship To address. For Multi-Store Direct Store Delivery, this would be one ASN per Store on the PO within the SDQ segment of the PO.

Multiple PO's can be included on the same ASN, however they must represent the same Ship To and Ship From locations

Revision History:

3/6/12

-SCAC Code is changed from optional to mandatory - TD502,TD503 and TD505 are now all mandatory

-N104 is mandatory and should be returned from the Purchase Order

02/03/2015 - added notes around cross dock usage

11/12/18

-MAN02 is changed from min/max of 1-48 to 1-20.

11/01/18
-MAN02 min/max updated to be 20/20

6/16/22
-REF02 Max Length set to 30 HL[S]

11/14/22
-Added notes to MAN02 indicating it must be a unique value

ST Transaction Set Header

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

User Option (Usage): Must use

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

Element Summary:

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

CodeList Summary (Total Codes: 314, Included: 1)

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

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).

BSN Beginning Segment for Ship Notice

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

CodeList Summary (Total Codes: 65, Included: 1)

Code	Name
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 where CC represents the first two digits of the calendar year

BSN04	337	**Time**	M	TM	4/8	Must use

Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

BSN05	1005	**Hierarchical Structure Code**	O	ID	4/4	Used

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

CodeList Summary (Total Codes: 79, Included: 1)

Code	Name
0001	Shipment, Order, Packaging, Item

Semantics:

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

Loop Hierarchical Level - SHIPMENT LEVEL

Pos: 0100	Repeat: 1
Mandatory	
Loop: HL	**Elements: N/A**

User Option (Usage): Must use

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0100	HL	Hierarchical Level	M	1		Must use
1100	TD1	Carrier Details (Quantity and Weight)	M	1		Must use
1200	TD5	Carrier Details (Routing Sequence/Transit Time)	M	1		Must use
1300		Loop TD3	O		1	Used
1500	REF	Reference Identification	C	2		Must use
2000	DTM	Date/Time Reference	M	2		Must use
2100	FOB	F.O.B. Related Instructions	O	1		Used
2200		Loop N1	M		2	Must use
0100		Loop HL	M		200000	Must use

HL Hierarchical Level

Pos: 0100   Max: 1
Detail - Mandatory
Loop: HL   Elements: 2

User Option (Usage): Must use

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

Element Summary:

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

CodeList Summary (Total Codes: 218, Included: 1)

Code	Name
S	Shipment

TD1   Carrier Details (Quantity and Weight)

Pos: 1100	Max: 1
Detail - Mandatory	
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**	M	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

CodeList Summary (Total Codes: 148, Included: 2)

Code	Name
CTN	Carton
PLT	Pallet

CodeList Summary (Total Codes: 55, Included: 2)

Code	Name
25	Corrugated or Solid
94	Wood

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

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

User Note 1: *The 856 must contain the same number of MAN segments with the UCC-128 serial container codes.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD106	187	**Weight Qualifier**	M	ID	1/2	Must use

Description: Code defining the type of weight

CodeList Summary (Total Codes: 52, Included: 1)

Code	Name
G	Gross Weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD107	81	**Weight**	M	R	1/10	Must use

Description: Numeric value of weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD108	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

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

CodeList Summary (Total Codes: 803, Included: 2)

Code	Name
KG	Kilogram
LB	Pound

Syntax Rules:

1. C0102 - If TD101 is present, then TD102 is required.
2. C0607 - If TD106 is present, then TD107 is required.
3. P0708 - If either TD107 or TD108 is present, then the other is required.

TD5   Carrier Details (Routing Sequence/Transit Time)

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
TD502	66	**Identification Code Qualifier**	M	ID	1/2	Must use

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

CodeList Summary (Total Codes: 223, Included: 1)

Code	Name
2	Standard Carrier Alpha Code (SCAC)

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

Description: Code identifying a party or other code

User Note 1: *SCAC (Standard Carrier Alpha Code)*

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

User Note 1: *Carrier Name/Routing Information*

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.

Comments:

1. When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

Loop Carrier Details (Equipment)

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

User Option (Usage): Used

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
1300	TD3	Carrier Details (Equipment)	O	1		Used

TD3 Carrier Details (Equipment)

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

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD301	40	**Equipment Description Code**	M	ID	2/2	Must use

Description: Code identifying type of equipment used for shipment

CodeList Summary (Total Codes: 137, Included: 1)

Code	Name
TL	Trailer (not otherwise specified)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD303	207	**Equipment Number**	M	AN	1/10	Must use

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

User Note 1: *Trailer Number*

REF   Reference Identification

Pos: 1500	Max: 2
Detail - Conditional	
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

CodeList Summary (Total Codes: 1631, Included: 3)

Code	Name
BM	Bill of Lading Number

User Note 1:

Max Length 30

Code	Name
CN	Carrier's Reference Number (PRO/Invoice)

User Note 1:

Max Length 30

Code	Name
P8	Pickup Reference Number

User Note 1:

Max Length 30

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	M	AN	1/30	Must use

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

User Note 1:

For LTL or Truck load shipments both the BOL (qualifier BM) and Carrier Pro (qualifier CN) are required. For Pacel Carrier shipments (i.e UPS, DHL, FEDX) the carriers pick number or one of the carton carrier tracking numbers are required (qualifier P8)

DTM   Date/Time Reference

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

CodeList Summary (Total Codes: 1226, Included: 2)

Code	Name
011	Shipped
017	Estimated Delivery

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

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

FOB **F.O.B. Related Instructions**

Pos: 2100   Max: 1
Detail - Optional
Loop: HL   Elements: 3

User Option (Usage): Used

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

CodeList Summary (Total Codes: 31, Included: 4)

Code	Name
CC	Collect
DF	Defined by Buyer and Seller
PP	Prepaid (by Seller)
TP	Third Party Pay

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB02	309	**Location Qualifier**	X	ID	1/2	Used

Description: Code identifying type of location

CodeList Summary (Total Codes: 176, Included: 3)

Code	Name
AC	City and State
DE	Destination (Shipping)
OR	Origin (Shipping Point)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB03	352	**Description**	O	AN	1/80	Used

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

Syntax Rules:

1. C0302 - If FOB03 is present, then FOB02 is required.

Semantics:

1. FOB01 indicates which party will pay the carrier.
2. FOB02 is the code specifying transportation responsibility location.

Loop Name

Pos: 2200	**Repeat: 2**
Mandatory	
Loop: N1	**Elements: N/A**

User Option (Usage): Must use

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
2200	N1	Name	M	1		Must use
2400	N3	Address Information	O	1		Used
2500	N4	Geographic Location	O	1		Used

N1 Name

Pos: 2200	**Max: 1**
Detail - Mandatory	
Loop: N1	**Elements: 4**

User Option (Usage): Must use

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

Element Summary:

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

CodeList Summary (Total Codes: 1446, Included: 2)

Code	Name
SF	Ship From
ST	Ship To

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

Description: Free-form name

User Note 1: *Required for Ship From*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	M	ID	1/2	Must use

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

CodeList Summary (Total Codes: 223, Included: 2)

Code	Name
1	D-U-N-S Number, Dun & Bradstreet

User Note 1:

  Used for Ship From

Code	Name
92	Assigned by Buyer or Buyer's Agent

User Note 1:

  required for Ship To

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	M	AN	2/80	Must use

Description: Code identifying a party or other code

User Note 1: *This must be the same location number as sent on the 850*

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.

User Note 1:

Both Ship To and Ship From N1 loops are required.

For Ship To, N101, N103 and N104 are mandatory. N103 must be 92. This will be the N104 (when N101 = ST from the 850 for Bulk DC/Cross Dock or Single Store orders or the SDQ location from the 850 for Multi-Store (Direct Store Delivery orders)

For Ship From, N101, N102 are mandatory.

N3 Address Information

Pos: 2400	**Max: 1**
Detail - Optional	
Loop: N1	**Elements: 2**

User Option (Usage): Used

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: 2500	Max: 1
Detail - Optional	
Loop: N1	**Elements: 4**

User Option (Usage): Used

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	Used

Description: Free-form text for city name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N402	156	**State or Province Code**	X	ID	2/2	Used

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	Used

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**	X	ID	2/3	Used

Description: Code identifying the country

Loop Hierarchical Level - ORDER LEVEL

Pos: 0100	Repeat: 200000
Mandatory	
Loop: HL	**Elements: N/A**

User Option (Usage): Must use

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0100	HL	Hierarchical Level	M	1		Must use
0500	PRF	Purchase Order Reference	M	1		Must use
1100	TD1	Carrier Details (Quantity and Weight)	O	1		Used
1500	REF	Reference Identification	M	1		Must use
2200		Loop N1	C		1	Used
0100		Loop HL	M		200000	Must use

HL Hierarchical Level

Pos: 0100	**Max: 1**
Detail - Mandatory	
Loop: HL	**Elements: 3**

User Option (Usage): Must use

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

Element Summary:

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**	M	AN	1/12	Must use

Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to

HL03	735	**Hierarchical Level Code**	M	ID	1/2	Must use

Description: Code defining the characteristic of a level in a hierarchical structure

CodeList Summary (Total Codes: 218, Included: 1)

Code	Name
O	Order

PRF   Purchase Order Reference

Pos: 0500   Max: 1
Detail - Mandatory
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 where CC represents the first two digits of the calendar year

Semantics:

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

TD1 Carrier Details (Quantity and Weight)

Pos: 1100	Max: 1
Detail - Optional	
Loop: HL	Elements: 5

User Option (Usage): Used

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	Used

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

CodeList Summary (Total Codes: 148, Included: 2)

Code	Name
CTN	Carton
PLT	Pallet

CodeList Summary (Total Codes: 55, Included: 2)

Code	Name
25	Corrugated or Solid
94	Wood

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

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD106	187	**Weight Qualifier**	O	ID	1/2	Used

Description: Code defining the type of weight

CodeList Summary (Total Codes: 52, Included: 1)

Code	Name
G	Gross Weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD107	81	**Weight**	X	R	1/10	Used

Description: Numeric value of weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

CodeList Summary (Total Codes: 803, Included: 2)

Code	Name
KG	Kilogram
LB	Pound

Syntax Rules:

1. C0102 - If TD101 is present, then TD102 is required.
2. C0607 - If TD106 is present, then TD107 is required.
3. P0708 - If either TD107 or TD108 is present, then the other is required.

REF   Reference Identification

Pos: 1500   Max: 1
Detail - Mandatory
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

CodeList Summary (Total Codes: 1631, Included: 1)

Code	Name
IA	Internal Vendor Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	M	AN	1/50	Must use

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

User Note 1: *The MCX Vendor Number returned on the ASN must be an 11 character numeric number.*

User Note 1:

This must be the same number that was send in the 850 (REF-IA). Vendor Duns

Note that MCX only allows one MCX vendor number per ASN file. If your physical shipment contains multiple Purchase Orders across multiple MCX vendor numbers you will need to send one ASN per vendor number (with the shipment specific information, such as tracking numbers, repeating across the ASNs).

Loop Name

<table>
<tr><td>Pos: 2200</td><td>Repeat: 1</td></tr>
<tr><td colspan="2">Conditional</td></tr>
<tr><td>Loop: N1</td><td>Elements: N/A</td></tr>
</table>

User Option (Usage): Used

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
2200	N1	Name	C	1		Used

User Note 1:

The Order Level N1 segment must be used for Pre-Distributed (CrossDock) Shipments
(these are shipments for orders that were pre-distributed for stores on the Purchase Order and contained SDQ segments).

N1 Name

User Option (Usage): Used

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

CodeList Summary (Total Codes: 1446, Included: 3)

Code	Name
BY	Buying Party (Purchaser)
SN	Store
Z7	Mark-for Party

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

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	M	ID	1/2	Must use

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

CodeList Summary (Total Codes: 223, Included: 1)

Code	Name
92	Assigned by Buyer or Buyer's Agent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	M	AN	2/80	Must use

Description: Code identifying a party or other code

User Note 1: *The Marked For location code (When N101 = Z7) must be a 5 character numeric number.*

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.

User Note 1:

The N1 segment is required for Pre-Distributed (also known as Crossdock) shipments

Loop Hierarchical Level - TARE/PACK LEVEL

Pos: 0100	Repeat: 200000
Mandatory	
Loop: HL	**Elements: N/A**

User Option (Usage): Must use

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0100	HL	Hierarchical Level	M	1		Must use
1900	MAN	Marks and Numbers	M	1		Must use
0100		Loop HL	M		200000	Must use

HL   Hierarchical Level

Pos: 0100	Max: 1
Detail - Mandatory	
Loop: HL	**Elements: 3**

User Option (Usage): Must use

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

Element Summary:

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**	M	AN	1/12	Must use

> **Description:** Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to

HL03	735	**Hierarchical Level Code**	M	ID	1/2	Must use

> **Description:** Code defining the characteristic of a level in a hierarchical structure

> **CodeList Summary** (Total Codes: 217, Included: 2)

Code	Name
P	Pack
T	Shipping Tare

User Note 1:

If all of the cartons within a Pallet are the same Sku, Tare level is acceptable. (only the Pallet will have the UCC128 shipping label)

For mixed sku pallets, Pack level HL is required (all cartons on the pallet must contain the UCC128 Shipping label)

MAN   Marks and Numbers

<table>
<tr><td>Pos: 1900</td><td>Max: 1</td></tr>
<tr><td colspan="2" align="center">Detail - Mandatory</td></tr>
<tr><td>Loop: HL</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Must use

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)

CodeList Summary (Total Codes: 21, Included: 1)

Code Name

GM   SSCC-18 and Application Identifier

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

User Note 1: *MAN02 Min/Max is 20/20. MAN02 must be a unique value.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MAN04	88	**Marks and Numbers Qualifier**	X	ID	1/2	Used

Description: Code specifying the application or source of Marks and Numbers (87)

CodeList Summary (Total Codes: 21, Included: 1)

Code Name

CP   Carrier-Assigned Package ID Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MAN05	87	**Marks and Numbers**	X	AN	1/48	Used

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.

Loop Hierarchical Level - ITEM LEVEL

Pos: 0100	Repeat: 200000
Mandatory	
Loop: HL	**Elements: N/A**

User Option (Usage): Must use

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0100	HL	Hierarchical Level	M	1		Must use
0200	LIN	Item Identification	M	1		Must use
0300	SN1	Item Detail (Shipment)	M	1		Must use
0700	PID	Product/Item Description	C	4		Must use

HL   Hierarchical Level

Pos: 0100	Max: 1
Detail - Mandatory	
Loop: HL	**Elements: 3**

User Option (Usage): Must use

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

Element Summary:

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**	M	AN	1/12	Must use

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

CodeList Summary (Total Codes: 217, Included: 1)

Code	Name
I	Item

LIN   Item Identification

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

Pos: 0200   **Max: 1**
Detail - Mandatory
Loop: HL   Elements: 5

</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

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)

CodeList Summary (Total Codes: 505, Included: 3)

Code	Name
EN	EAN/UCC - 13
UP	UCC - 12
VA	Vendor's Style 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	Used

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

CodeList Summary (Total Codes: 505, Included: 3)

Code	Name
EN	EAN/UCC - 13
UP	UCC - 12
VA	Vendor's Style Number

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

Description: Identifying number for a product or service

Syntax Rules:

1. P0405 - If either LIN04 or LIN05 is present, then the other is required.

Semantics:

1. LIN01 is the line item identification

User Note 1:

Vendor UPC is required and can be sent in either LIN02/03 or LIN04/05

SN1   Item Detail (Shipment)

Pos: 0300	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 4

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SN103	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

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

CodeList Summary (Total Codes: 803, Included: 1)

Code **Name**

EA   Each

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SN105	330	**Quantity Ordered**	X	R	1/15	Used

Description: Quantity ordered

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SN106	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

CodeList Summary (Total Codes: 803, Included: 1)

Code **Name**

EA   Each

Syntax Rules:

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

User Note 1:

Unit of Measure must match what is sent on the 850. Suppliers are encouraged to communicated any discrepancies with your buyers at the time the 850 is received so there are no issues with ASN delays

PID   Product/Item Description

<table>
<tr><td>Pos: 0700</td><td>Max: 4</td></tr>
<tr><td colspan="2">Detail - Conditional</td></tr>
<tr><td>Loop: HL</td><td>Elements: 3</td></tr>
</table>

User Option (Usage): Must use

Purpose: To describe a product or process in coded or free-form format

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID01	349	**Item Description Type**	M	ID	1/1	Must use

Description: Code indicating the format of a description

CodeList Summary (Total Codes: 3, Included: 1)

Code	Name
F	Free-form

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID02	750	**Product/Process Characteristic Code**	M	ID	2/3	Must use

Description: Code identifying the general class of a product or process characteristic

CodeList Summary (Total Codes: 235, Included: 4)

Code	Name
08	Product
73	Vendor color description
74	Vendor size description
75	Buyer's Color Description

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID05	352	**Description**	M	AN	1/80	Must use

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

User Note 1:

Qualifier 08 is required

CTT Transaction Totals

<table>
<tr><td>Pos: 0100</td><td>Max: 1</td></tr>
<tr><td colspan="2">Summary - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 1</td></tr>
</table>

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

User Option (Usage): Must use

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

Element Summary:

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

Comments:

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