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Ship Notice (X12 004010 856)

Version 1.4

Created by:



# Revision History

Revision	Date	Description
1.0	06/29/2015	Created
1.1	07/30/2015	Added MEA Segment in Header Level for Temperature Replaced TD1 with MEA at Tare Level Removed Lot Number at Tare Level
1.2	08/08/2015	Changed SCAC from Mandatory to Optional Changed the GLN Qualifier from "92" to "UL"
1.3	08/11/2015	Added "TC" Qualifier in MEA02
1.4	08/27/2015	Added REF Segment in Container Level

**Heading:**

<u>Pos</u>	<u>Code</u>	<u>Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>
010	ST	Transaction Set Header	M	1	
020	BSN	Beginning Segment for Ship Notice	M	1	

<u>Pos</u>	<u>Code</u>	<u>Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>
LOOP ID - Shipment					1
030	HL	Hierarchical Level - Shipment	M	1	
040	MEA	Measurements	M	1	
050	TD5	Carrier Details	O	1	
060	REF	Reference Numbers	M	1	
LOOP ID - N1					2
070	N1	Name	M	2	

**Details:**

LOOP ID - Order					200
080	HL	Hierarchical Level - Order	M	1	
090	PRF	Purchase Order	M	1	
100	TD1	Carrier Details	M	2	
110	DTM	Date / Time	M	1	
120	N1	Name	M	2	
LOOP ID - Tare					200
130	HL	Hierarchical Level - Tare	M	1	
140	MEA	Measurements	M	2	
150	MAN	Marks and Numbers	M	1	
LOOP ID - Pack					200
160	HL	Hierarchical Level - Pack	M	1	
170	TD1	Carrier Details (Quantity and Shipment)	M	1	
180	REF	Reference Identification	M	2	
190	MAN	Marks and Numbers	M	1	
200	DTM	Date/ Time	M	1	
LOOP ID - Item					200
210	HL	Hierarchical Level - Item	M	1	
220	LIN	Item Identification	M	1	
230	SN1	Item Detail (Shipment)	M	1	

**Summary:**

<u>Pos</u>	<u>Code</u>	<u>Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>
240	CTT	Transaction Totals	M	1	
250	SE	Transaction Set Trailer	M	1	

**Segment:** ST – Transaction Set Header  
**Position:** 010  
**Loop Ending Position:**  
**Section:** Header  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
ST01	0143	Transaction Set Identifier Code	M	ID	3 / 3	
ST02	0329	Transaction Set Control Number	M	N0	4 / 9	

**Segment:** BSN - Beginning Segment for Ship Notice  
**Position:** 020  
**Loop Ending Position:**  
**Section:** Header  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
BSN01	0353	Transaction Set Purpose Code	M	ID	2 / 2	'00' = Original
BSN02	0396	Shipment Identification	M	N0	4 / 9	Shipper Shipment Number
BSN03	0373	Date	M	DT	8 / 8	Ship Notice Creation Date
BSN04	0337	Time	M	TM	4 / 8	Ship Notice Creation Time

**Segment:** HL - Hierarchical Level  
**Position:** 030  
**Loop Ending Position:**  
**Section:** Shipment  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
HL01	0628	Hierarchical ID Number	M	AN	1 / 12	
HL02	0734	Hierarchical Parent ID Number	O	AN	1 / 12	
HL03	0735	Hierarchical Level Code	M	ID	1 / 1	'S' = Shipment

**Segment:** MEA - Measurements  
**Position:** 040  
**Loop Ending Position:**  
**Section:** Shipment  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
MEA01	0737	Measurement Reference ID Code	M	ID	2 / 2	'TE' = Temperature
MEA02	0738	Measurement Qualifier	M	ID	2 / 2	'TC' = Temperature
MEA03	0739	Measurement Value	M	R	1 / 10	
MEA04	0355	Unit of Measure Code	M	ID	2 / 2	'CE' = Centigrade, Celsius 'FA' = Fahrenheit

**Segment:** TD5 - Carrier Details  
**Position:** 050  
**Loop Ending Position:**  
**Section:** Shipment  
**Usage:** Optional  
**Max Use:** 1  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
TD501	0133	Routing Sequence Code	M	ID	1 / 1	'B' = Origin/Delivery Carrier
TD502	0066	Identification Code Qualifier	M	ID	1 / 1	'2' = Standard Carrier Alpha Code (SCAC)
TD503	0067	Identification Code	O	AN	2 / 4	Carrier Code
TD504	0097	Transportation Method/Type Code	M	ID	1 / 2	



**Segment:** REF - Reference Number  
**Position:** 060  
**Loop Ending Position:**  
**Section:** Shipment  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
REF01	0128	Reference Number Qualifier	M	ID	2 / 2	'BM' = Bill of Lading Number
REF02	0127	Reference Number	M	AN	1 / 30	

**Segment:** N1 - Name  
**Position:** 070  
**Loop Ending Position:**  
**Section:** Name/Contact  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
N101	0098	Entity Identifier Code	M	ID	2 / 2	'VN'= Vendor
N102	0093	Name	O	AN	1 / 60	
N103	0066	Identification Code Qualifier	M	ID	2 / 2	'92'=Assigned by Buyer
N104	0067	Identification Code	M	AN	2 / 80	Vendor Code

**Segment:** HL - Hierarchical Level  
**Position:** 080  
**Loop Ending Position:**  
**Section:** Order  
**Usage:** Mandatory  
**Max Use:** 2000  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
HL01	0628	Hierarchical ID Number	M	AN	1 / 12	
HL02	0734	Hierarchical Parent ID Number	M	AN	1 / 12	
HL03	0735	Hierarchical Level Code	M	ID	1 / 1	'O' = Order

**Segment:** PRF - Purchase Order Reference  
**Position:** 090  
**Loop Ending Position:**  
**Section:** Order  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
PRF01	0324	Purchase Order Number	M	AN	1 / 22	Purchase Order Number
PRF02	0328	Release Number	M	AN	1 / 30	Release Number

**Segment:** TD1 - Carrier Details (Quantity and Weight)  
**Position:** 100  
**Loop Ending Position:**  
**Section:** Order  
**Usage:** Mandatory  
**Max Use:** 2  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
TD101	0103	Packaging Code	M	ID	5 / 5	'PLT90' = Pallet 'CNT90' = Container
TD102	0080	Lading Quantity	M	N0	1 / 7	Number of Pallets and Containers

**Segment:** DTM - Date/Time Reference  
**Position:** 110  
**Loop Ending Position:**  
**Section:** Order  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
DTM01	0374	Date / Time Qualifier	M	ID	3 / 3	'011' = Shipped Date
DTM02	0373	Date	M	DT	8 / 8	Shipped Date and Format is CCYYMMDD
DTM03	0337	Time	M	TM	4 / 8	

**Segment:** N1 - Name  
**Position:** 120  
**Loop Ending Position:**  
**Section:** Name/Contact  
**Usage:** Mandatory  
**Max Use:** 2  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
N101	0098	Entity Identifier Code	M	ID	2 / 2	'ST'= Ship-To 'SF'= Ship-From
N102	0093	Name	O	AN	1 / 60	
N103	0066	Identification Code Qualifier	M	ID	2 / 2	'UL'= GLN-Global Location Number
N104	0067	Identification Code	M	AN	2 / 80	Shipper and Receiver Location

**Segment:** **HL - Hierarchical Level**  
**Position:** 130  
**Loop Ending Position:**  
**Section:** Tare  
**Usage:** Mandatory  
**Max Use:** 2000  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
HL01	0628	Hierarchical ID Number	M	AN	1 / 12	
HL02	0734	Hierarchical Parent ID Number	M	AN	1 / 12	
HL03	0735	Hierarchical Level Code	M	ID	1 / 1	'T' = Tare (Pallet)



**Segment:** MEA - Measurements  
**Position:** 140  
**Loop Ending Position:**  
**Section:** Tare  
**Usage:** Mandatory  
**Max Use:** 2  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
MEA01	0737	Measurement Reference ID Code	M	ID	2 / 2	'WT' = Weights
MEA02	0738	Measurement Qualifier	M	ID	1 / 1	'G' = Gross Weight 'N' = Net Weight
MEA03	0739	Measurement Value	M	AN	1 / 10	
MEA04	0355	Unit of Measure Code	M	ID	2 / 2	

**Segment:** MAN - Marks and Numbers  
**Position:** 150  
**Loop Ending Position:**  
**Section:** Tare  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
MAN01	0088	Marks and Numbers Qualifier	M	ID	1 / 2	'W' = Pallet Number
MAN02	0087	Marks and Numbers	M	AN	18 / 18	SSC18 Number for Pallet

**Segment:** HL - Hierarchical Level  
**Position:** 160  
**Loop Ending Position:**  
**Section:** Pack  
**Usage:** Mandatory  
**Max Use:** 2000  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
HL01	0628	Hierarchical ID Number	M	AN	1 / 12	
HL02	0734	Hierarchical Parent ID Number	M	AN	1 / 12	
HL03	0735	Hierarchical Level Code	M	ID	1 / 1	'P' = Pack

**Segment:** TD1 - Carrier Details (Quantity and Weight)  
**Position:** 170  
**Loop Ending Position:**  
**Section:** Pack  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
TD101	0103	Packaging Code	M	ID	3 / 3	'CAS' = Case
TD102	0080	Lading Quantity	M	N0	1 / 7	Quantity in the Case
TD103	0023	Not Used	X			
TD104	0022	Not Used	X			
TD105	0079	Not Used	X			
TD106	0187	Weight Qualifier	M	ID	1 / 1	
TD107	0081	Weight	M	R	1 / 10	Case Weight
TD108	0355	Unit/Basis for Measurement Code	M	ID	2 / 2	Case Weight unit of Measure

**Segment:** REF - Reference Number  
**Position:** 180  
**Loop Ending Position:**  
**Section:** Pack  
**Usage:** Mandatory  
**Max Use:** 2  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
REF01	0128	Reference Number Qualifier	M	ID	2 / 2	'LT' = Vendor Lot Number '1J' = Establishment ID
REF02	0127	Reference Number	M	AN	1 / 30	

**Segment:** MAN - MARKS AND NUMBERS  
**Position:** 190  
**Loop Ending Position:**  
**Section:** Pack  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
MAN01	0088	Marks and Numbers Qualifier	M	ID	2 / 2	'CA' = Case Number
MAN02	0087	Marks and Numbers	M	AN	1 / 32	Serial Number of Case

**Segment:** DTM - Date/Time Reference  
**Position:** 200  
**Loop Ending Position:**  
**Section:** Pack  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
DTM01	0374	Date / Time Qualifier	M	ID	3 / 3	'094' = Manufactured Date
DTM02	0373	Date	M	DT	8 / 8	Manufactured Date and Format is CCYYMMDD
DTM03	0337	Time	M	TM	4 / 8	Manufactured Time

**Segment:** HL - Hierarchical Level  
**Position:** 210  
**Loop Ending Position:**  
**Section:** Item  
**Usage:** Mandatory  
**Max Use:** 2000  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
HL01	0628	Hierarchical ID Number	M	AN	1 / 12	
HL02	0734	Hierarchical Parent ID Number	M	AN	1 / 12	
HL03	0735	Hierarchical Level Code	M	ID	1 / 1	'I' = Item



**Segment:** LIN - Item Identification  
**Position:** 220  
**Loop Ending Position:**  
**Section:** Item  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
LIN01	0350	Assigned Identification	O	AN	1 / 20	
LIN02	0235	Product/Service ID Qualifier	M	ID	2 / 2	'UK' = GTIN Number
LIN03	0234	Product/Service ID	M	AN	1 / 48	
LIN04	0235	Product/Service ID Qualifier	M	ID	2 / 2	'IN' = Buyer's Item Number
LIN05	0234	Product/Service ID	M	AN	1 / 48	
LIN06	0235	Product/Service ID Qualifier	M	ID	2 / 2	'VN' = Vendor's Item Number
LIN07	0234	Product/Service ID	M	AN	1 / 48	

**Segment:** SN1 Item Detail (Shipment)  
**Position:** 230  
**Loop Ending Position:**  
**Section:** Item  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
SN101	0350	Assigned Identification	O	AN	1 / 20	
SN102	0382	Number of Units Shipped Per Container	M	R	1 / 10	Item Quantity in the Pack
SN103	0355	Unit or Basis for Measurement Code	M	ID	1 / 48	Item Quantity Unit of Measure
SN104	0646	Quantity Shipped to Date	O	R	1 / 15	

**Segment:** CTT - Transaction Totals  
**Position:** 240  
**Loop Ending Position:**  
**Section:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
CTT01	0354	Number of Line Items	M	N0	1 / 6	
CTT02	0347	Hash Total	O	R	1 / 10	

**Segment:** SE - Transaction Set Trailer  
**Position:** 250  
**Loop Ending Position:**  
**Section:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**

Pos	Code	Name	Req.	Type	Length	Comments
SE01	0096	Number of Included Segments	M	N0	1 / 6	
SE02	0329	Transaction Set Control Number	M	AN	4 / 9	