



FCC

Ship Notice (X12 004010 856)



## ***Revision History***

<b>Revision</b>	<b>Date</b>	<b>Description</b>
1.0	04/14/2015	Created
2.0	10/14/2016	Revised
3.0	10/10/2018	Revised
4.0	02/18/2019	Revised
5.0	09/01/2020	Revised
6.0	08/09/2021	Removed the 05 Replacement

**Header Section:**

Pos	Code	Name	Req.	Max. Use	Loop End Pos.
010	ST	Transaction Set Header	M	1	
020	BSN	Beginning Segment for Planning Schedule	M	1	
030	DTM	Date/Time Reference	M	2	
***	***	HL LOOP	M	1	120
040	HL	Hierarchical Level	M	1	
050	MEA	Measurements	M	2	
060	TD1	Carrier Details (Quantity and Weight)	M	1	
070	TD5	Carrier Details (Routing Sequence)	M	1	
080	TD3	Carrier Details (Equipment)	M	1	
090	REF	Reference Identification	M	3	
100	FOB	F.O.B. Related Instructions	O	1	
110	CUR	Currency	O	1	
120	N1	Name	M	2	

**Pallet Detail Section**

Pos	Code	Name	Req.	Max. Use	Loop End Pos.
	<u>HL</u>	<u>Hierarchical Level</u>	<u>M</u>		
	<u>Ref</u>	<u>Reference Identification</u>	<u>M</u>		

**Detail Section:**

Pos	Code	Name	Req.	Max. Use	Loop End Pos.
***	***	HL LOOP	M	999999	180
130	HL	Hierarchical Level	M	1	
140	LIN	Item Identification	M	1	
150	SN1	Item Detail (Shipment)	M	1	
160	PRF	Purchase Order Reference	M	1	
***	***	CLD LOOP	M	200	190
180	CLD	Load Detail	M	1	
***	***	REF LOOP	M	200	
190	REF	Reference Identification	M	2	

**Summary Section:**

Pos	Code	Name	Req.	Max. Use	Loop End Pos.
210	CTT	Transaction Totals	M	1	
220	SE	Transaction Set Trailer	M	1	

**Notes:**

- M = Mandatory
- X = Conditional
- O = Optional

**Segment:** ST – Transaction Set Header  
**Position:** 010  
**Loop Ending Position:**  
**Section:** Header  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**  
**Example:** ST\*856\*~

Pos	Code	Name	Req.	Type	Length	Comments
ST01	0143	Transaction Set Identifier Code	M	ID	3 / 3	'856' = Ship Notice
ST02	0329	Transaction Set Control Number	M	AN	4 / 9	

**Segment:** BSN - Beginning Segment for Ship Notice  
**Position:** 020  
**Loop Ending Position:**  
**Section:** Header  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**  
**Example:** BSN\*00\*111000\*20161012\*1202~

Pos	Code	Name	Req.	Type	Length	Comments
BSN01	0353	Transaction Set Purpose Code	M	ID	2 / 2	'00' = Original
BSN02	0396	Shipment Number	M	AN	2 / 30	
BSN03	0373	Document Date	M	DT	8 / 8	CCYYMMDD
BSN04	0337	Document Time	M	TM	4 / 6	HHMM

**Segment:** DTM - Date / Time Reference  
**Position:** 030  
**Loop Ending Position:**  
**Section:** Header  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**  
**Examples:** DTM\*011\*20010903\*0830\*ED~  
 DTM\*017\*20010904\*0900\*ED~

Pos	Code	Name	Req.	Type	Length	Comments
DTM01	0374	Date / Time Qualifier	M	ID	3 / 3	'011' = Shipped '017' = Estimated Delivery
DTM02	0373	Date	M	DT	8 / 8	CCYYMMDD
DTM03	0337	Time	M	TM	4 / 6	HHMM
DTM04	0623	Time Code	M	AN	2 / 2	'ED' = Eastern Daylight 'ET' = Eastern Standard 'CT' = Central Time 'CD' = Central Daylight

**Segment:** HL- Hierarchical Level (Shipment)  
**Position:** 040  
**Loop Ending Position:** 120  
**Section:** Header  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:** At the Shipment level, we specify information concerning the shipment as a Whole. This includes carrier and route information.  
**Example:** HL\*1\*\*S~

Pos	Code	Name	Req.	Type	Length	Comments
HL01	0628	Hierarchical ID number	M	N0	1 / 12	One for the initial 'HL' segment and is incremented by one for each subsequent 'HL' in the transaction.
HL02	0734	Hierarchical parent ID number	O	N0	1 / 12	Not Required for shipment level.
HL03	0735	Hierarchical Level Code	M	ID	1 / 1	'S' = Shipment

'O' = Order  
 'T' = Tare  
'I' = Item

**Segment:** MEA – Measurements  
**Position:** 050  
**Loop Ending Position:**  
**Section:** Header  
**Usage:** Mandatory  
**Max Use:** 2  
**Notes:**  
**Example:** MEA\*WT\*G\*11711\*LB~

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	R	1 / 10	
MEA04	0355	Unit or Basis for Measurement Code	M	ID	2 / 2	'GR' = Gram 'LB' = Pound 'KG' = Kilogram 'OZ' = Ounce



**Segment:** TD1 – Carrier Details  
**Position:** 060  
**Loop Ending Position:**  
**Section:** Header  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**  
**Example:** TD1\*COL52\*4~  
 TD1\*CNT90\*17~

Poos	Code	Name	Req.	Type	Length	Comments
TD101	0103	Packaging Code	M	AN	3 / 5	<b>Part 1:</b> BSK -Basket, BOX -Box, BDL -Bundle, CTN -Carton, COL -Coil, CNT -Container, PKG -Package, PLT -Pallet, SKD -Skid, TBN -Tote Bin, TRY -Tray. TUB - Tub, UNT -Unit. <b>Part 2:</b> 25 -Corrugated or Solid, 52 -Iron or Steel, 64 -Molded Plastic, 71 -Not Otherwise Specified, 79 -Plastic, 90 -Standard, 94 -Wood.
TD102	0080	Lading Quantity	M	N0	1 / 7	

**Segment:** TD5 – Carrier Details (Routing Sequence / Transportation)  
**Position:** 070  
**Loop Ending Position:**  
**Section:** Header  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**  
**Example:** TD5\*B\*3\*MCJT\*\* ~

Pos	Code	Name	Req.	Type	Length	Comments
TD501	0133	Routing Sequence Code	M	ID	1 / 1	'B' = Origin
TD502	0066	Identification Code Qualifier	M	ID	1 / 1	'2' = SCAC Code Qualifier
TD503	0067	Identification Code	M	AN	2 / 4	SCAC Code

**Segment:** TD3 – Carrier Details (Equipment)  
**Position:** 080  
**Loop Ending Position:**  
**Section:** Header  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**  
**Example:** TD3\*TL\*\*12345~

Pos	Code	Name	Req.	Type	Length	Comments
TD301	0040	Equipment Description Code	M	ID	2 / 2	'TL' - Trailer
TD302	0206	Equipment Initial	O	AN	1 / 4	
TD303	0207	Equipment Number	M	AN	1 / 10	Trailer number

**Segment:** REF - Reference Number  
**Position:** 090  
**Loop Ending Position:**  
**Section:** Header  
**Usage:** Mandatory  
**Max Use:** 2  
**Notes:**  
**Example:** REF\*BM\*BILLOFLADINGNUM~

Pos	Code	Name	Req.	Type	Length	Comments
REF01	0128	Reference Number Qualifier	M	ID	2 / 2	'AW'= Air Waybill Number 'BM'= Bill of Lading Number 'CN' = Carrier's Reference Number 'FR' = Freight Bill Number 'MB'= Master Bill of Lading Number 'PK' = Packing List Number 'SI' = Shipper's Identifying Number
REF02	0127	Reference Number	M	AN	1 / 30	

**Segment:** FOB – F.O.B Related Instructions  
**Position:** 100  
**Loop Ending Position:**  
**Section:** Header  
**Usage:** Optional  
**Max Use:** 1  
**Notes:**  
**Example:** FOB\*CC~

Pos	Code	Name	Req.	Type	Length	Comments
FOB01	0146	Shipment Method of Payment	M	ID	2 / 2	'CC' – Collect 'PP' – Prepaid

Not used by FCC at this time

**Segment:** CUR – Currency  
**Position:** 110  
**Loop Ending Position:**  
**Section:** Header  
**Usage:** Optional  
**Max Use:** 1  
**Notes:**  
**Example:** CUR\*SE\*USD~

Pos	Code	Name	Req.	Type	Length	Comments
CUR01	0098	Entity Identifier Code	M	ID	2 / 2	'SE' – Selling Party
CUR02	0100	Currency Code	M	ID	3 / 3	

Not used by FCC at this time

**Segment:** N1 – Name  
**Position:** 120  
**Loop Ending Position:**  
**Section:** Header  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**  
**Example:** N1\*ST\*\*01\*SHIPTO LOCATION~  
 N1\*Sf\*\*01\*SHIPFROMLOCATION~

Pos	Code	Name	Req.	Type	Length	Comments
N101	0098	Entity Identifier Code	M	ID	2 / 2	'SF' = Ship From 'ST' = Ship To
N102	0093	Name	M	AN	1 / 60	
N103	0066	Identification Code Qualifier	M	ID	2 / 2	'01' = DUNs Number '92' = Assigned by Buyer
N104	0067	Identification Code	M	ID	2 / 80	

**Segment:** HL- Hierarchical Level(Tare)  
**Position:** 130  
**Loop Ending Position:** 180  
**Section:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**  
**Example:** HL\*2\*1\*T~

Pos	Code	Name	Req.	Type	Length	Comments
HL01	0628	Hierarchical ID number	M	AN	1 / 12	One for the initial 'HL' segment and is incremented by one for each subsequent 'HL' in the transaction.
HL02	0734	Hierarchical parent ID number	M	AN	1 / 12	
HL03	0735	Hierarchical Level Code	M	ID	1 / 1	'T' = Taref

REPEAT AS NECESSARY : Per pallet/skid



**Segment:** REF – Reference Number  
**Position:** 190  
**Loop Ending Position:**  
**Section:** Header  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**  
**Example:** REF\*HC\*HEATCODE~  
REF\*LS\*PREFIX ERIALNUMBER

Pos	Code	Name	Req.	Type	Length	Comments
REF01	0128	Reference Number Qualifier	M	ID	2 / 2	'HC'= Heat Code 'LS'= Bar - Coded Prefix Serial Number Master Unit
REF02	0127	Reference Number	M	AN	1 / 30	

PREFIX assigned by FCC

Note: Container labels per pallet must bt tied to Master

**Segment:** HL~ Hierarchical Level (Item)  
**Position:** 130  
**Loop Ending Position:** 180  
**Section:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**  
**Example:** HL\*3\*2\*I~

Pos	Code	Name	Req.	Type	Length	Comments
HL01	0628	Hierarchical ID number	M	AN	1 / 12	One for the initial 'HL' segment and is incremented by one for each subsequent 'HL' in the transaction.
HL02	0734	Hierarchical parent ID number	M	AN	1 / 12	
HL03	0735	Hierarchical Level Code	M	ID	1 / 1	'I' = Item Detail

REPEAT AS NECESSARY :  
 Per Pallet/Skid

**Segment:** LIN – Item Identification  
**Position:** 140  
**Loop Ending Position:**  
**Section:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**  
**Example:** LIN\*BP\*BUYERPARTNUM\*EC\*CHANGELEVEL~

Pos	Code	Name	Req.	Type	Length	Comments
LIN01	0350	Assigned Identification	M	N0	1 / 6	
LIN02	0235	Product/Service ID Qualifier	M	ID	2 / 2	'BP' = Buyer Part Number
LIN03	0234	Product/Service ID	M	AN	1 / 30	Part Number
LIN04	0235	Product/Service ID Qualifier	X	ID	2 / 2	'EC' = Engineering change
LIN05	0234	Product/Service ID	X	AN	1 / 30	Change Level

'O' = Optional  
 'X' = Conditional  
 'M' = Mandatory

**Segment:** SN1 – Item Shipment Detail  
**Position:** 150  
**Loop Ending Position:**  
**Section:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**  
**Example:** SN1\*\*250\*EA\*~

<b>Pos</b>	<b>Code</b>	<b>Name</b>	<b>Req.</b>	<b>Type</b>	<b>Length</b>	<b>Comments</b>
SN101	0350	Item Description Type	O	N0	1 / 6	
SN102	0382	Number of Units Shipped	M	R	1 / 9	The Quantity in the container listed in the previous LIN
SN103	0355	Unit or Basis for Measurement Code	M	ID	2 / 2	Unit of Measure 'EA' – Each 'PC' – Piece
SN104	0646	Quantity Shipped to Date	O	R	1 / 15	Cumulative Quantity

**Segment:** PRF – Purchase Order Reference  
**Position:** 160  
**Loop Ending Position:**  
**Section:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**  
**Example:** PRF\*23045\*\*~

<b>Pos</b>	<b>Code</b>	<b>Name</b>	<b>Req</b>	<b>Type</b>	<b>Length</b>	<b>Comments</b>
PRF01	0324	Purchase Order Number	M	AN	1 / 22	Buyers Purchase Order Number
PRF02	0328	Release Number	O	AN	1 / 30	

**Segment:** CLD – Load Detail  
**Position:** 180  
**Loop Ending Position:** 190  
**Section:** Detail  
**Usage:** Mandatory  
**Max Use:** 200  
**Notes:**  
**Example:** CLD\*1\*250\*COL52~  
 CLD\*3\*250\*COL52~

Pos	Code	Name	Req.	Type	Length	Comments
CLD01	0622	Number of Loads	M	N	1 / 5	
CLD02	0382	Number of Units Per Load	M	R	1 / 10	
CLD03	0103	Packaging Code	M	ID	5 / 5	

Note: CLD01 X CLD02 should equal quantity in SN102.

Example CLD 3@250 = 750  
 LS segments for each (3) to follow LS  
 LS  
 CLD 1@75 = 75  
 LS  
 Should equal quantity in SN102 of 825

**Segment:** REF – Reference Number  
**Position:** 190  
**Loop Ending Position:**  
**Section:** Header  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**  
**Example:** REF\*HC\*HEATCODE~  
REF\*LS\*PREFIXSERIALNUMBER

Pos	Code	Name	Req.	Type	Length	Comments
REF01	0128	Reference Number Qualifier	M	ID	2 / 2	'HC'= Heat Code 'LS'= Bar - Coded PrefixSerial Number Master Unit
REF02	0127	Reference Number	M	AN	1 / 30	

PREFIX assigned by FCC

**Segment:** CTT  
**Position:** 210  
**Loop Ending Position:**  
**Section:** Summary/Trailer  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**  
**Example:** CTT\*5~

Pos	Code	Name	Req.	Type	Length	Comments
CTT01	0354	Number of Line Items	M	NO	1 / 6	Count of HL Segments
CTT02	0347	Hash Total	M	R	1 / 10	Not Used



**Segment:** SE – Transaction Set Trailer  
**Position:** 220  
**Loop Ending Position:**  
**Section:** Summary/Trailer  
**Usage:** Mandatory  
**Max Use:** 1  
**Notes:**

**Example:** SE\*23\*0001~

<b>Pos</b>	<b>Code</b>	<b>Name</b>	<b>Req.</b>	<b>Type</b>	<b>Length</b>	<b>Comments</b>
SE01	0096	Number of Included Segments	M	N0	1 / 10	
ST02	0329	Transaction Set Control Number	M	AN	4 / 9	Same as ST02

**856 BUSINESS EXAMPLES**

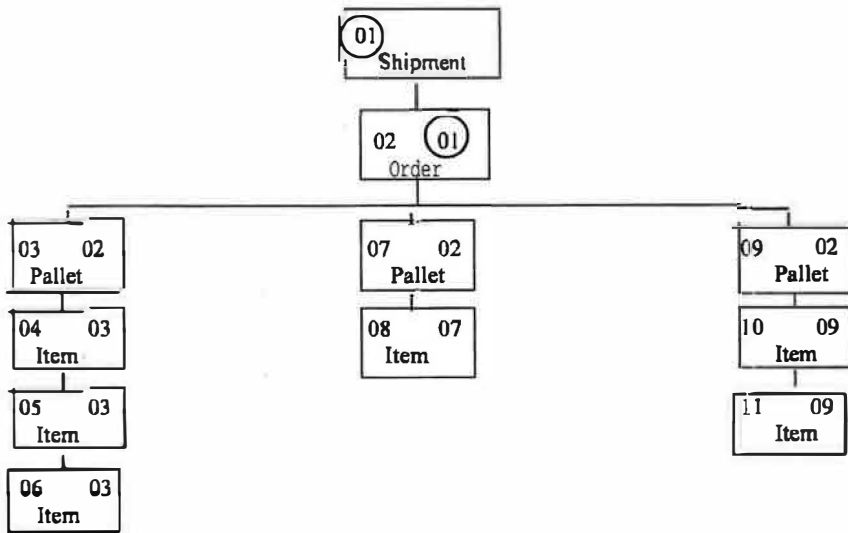
**An Explanation of the HL Segment for a Detail ASN**

HL	Hierarchical ID Number	Hierarchical Parent ID Number	Hierarchical Level Code\
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Example			
HL*1**S\			identifies the shipment level
HL*2*1*O\			identifies an order on the shipment
HL*3*2*T\			identifies a tare (pallet) on the order
HL*4*3*I\			identifies an item on the pallet

Implementation Guide for information on the formats and types of ASNs that are acceptable.)

Defines a top-down / left-right ordered structure. The number in the upper left-hand corner of the box represents the HL01 value. The number in the upper right-hand corner represents the HL02 value. The description in the box represents the detail loop.



**Example 1**