



FCC

Ship Notice (X12 004010 856)

Created by:



Revision History

Revision	Date	Description
1.0	04/14/2015	Created
2.0	10/14/2016	Revised
3.0	10/10/2018	Revised
<u>4.0</u>	<u>02/18/2019</u>	<u>Revised</u>

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 '01' = Cancellation '05' = Replace
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	Part 1: 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. Part 2: 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*SHIPFROM LOCATION~

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 (Item)
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' = Tare!

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*~

Pos	Code	Name	Req.	Type	Length	Comments
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**~

Pos	Code	Name	Req.	Type	Length	Comments
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~

Pos	Code	Name	Req.	Type	Length	Comments
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

Layout

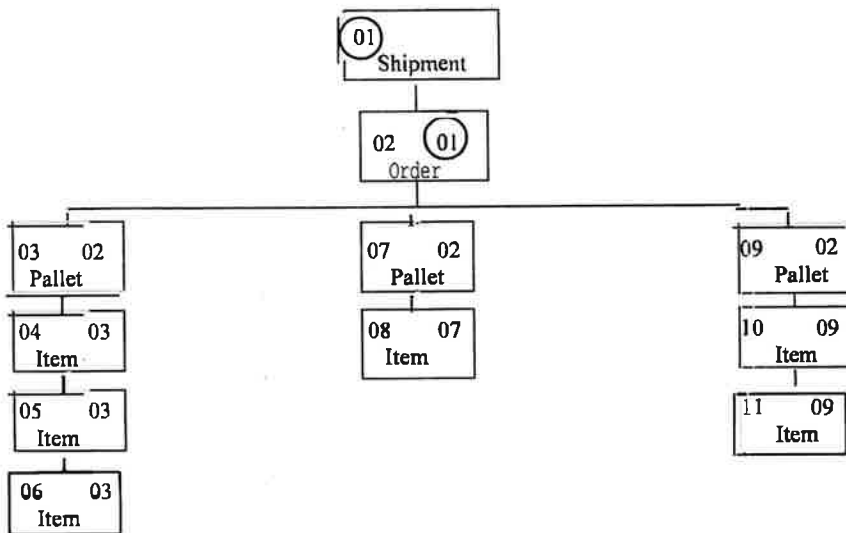
HL	Hierarchical ID Number	Hierarchical Parent ID Number	Hierarchical Level Code\
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Example

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