Advance Shipment Notice

Specification

EDI 856

856   Ship Notice/Manifest

TABLE 1

USER REQ	REQ. DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
	M	1	10	ST	Transaction Set Header
Must Use	M	1	20	BSN	Beginning Segment for Ship Notice
				LOOP ID - HL	**MAX: 1**
Must Use	M	1	10	HL	Hierarchical Level
Must Use	M	1	120	TD5	Carrier Details (Routing Sequence/Transit Time)
	O	1	130	REF	Reference Identification
Must Use	M	1	200	DTM	Date/Time Reference
				LOOP ID - N1	**MAX: >1**
Must Use	M	1	300	N1	Name
Must Use	M	1	310	N3	Address Information
Must Use	M	1	320	N4	Geographic Location
	O	1	330	PER	Administrative Communications Contact
				LOOP ID - HL	**MAX: 1**
Must Use	M	1	10	HL	Hierarchical Level
Must Use	M	1	50	PRF	Purchase Order Reference
				LOOP ID - HL	**MAX: >1**
	O	1	10	HL	Hierarchical Level
	O	1	100	TD1	Carrier Details (Quantity and Weight)
	O	1	200	REF	Reference Identification
	O	1	215	MAN	Marks and Numbers
				LOOP ID - HL	**MAX: >1**
Must Use	M	1	10	HL	Hierarchical Level
Must Use	M	1	100	PO4	Item Physical Details
Must Use	M	1	120	TD1	Carrier Details (Quantity and Weight)
Must Use	M	2	150	MAN	Marks and Numbers
				LOOP ID - HL	**MAX: >1**
Must Use	M	1	10	HL	Hierarchical Level
Must Use	M	1	20	LIN	Item Identification
Must Use	M	1	30	SN1	Item Detail (Shipment)
	O	1	40	PID	Product/Item Description
Must Use	M	1	10	CTT	Transaction Totals
Must Use	M	1	20	SE	Transaction Set Trailer

ST ◦ Transaction Set Header

ST

User Req:	USED
Table/Area:	1
Loop:	N/A
Loop Section:	N/A
Position:	0010
Max Use:	1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	ST01	143	Transaction Set Identifier Code	ID	3	3
	M	ST02	329	Transaction Set Control Number	AN	4	9

BSN ◦ Beginning Segment for Ship Notice

BSN

User Req: MUST USE
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 0020
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	BSN01	353	Transaction Set Purpose Code	ID	2	2
				00 Original			
Must Use	M	BSN02	396	Shipment Identification	AN	2	30
Must Use	M	BSN03	373	Date	DT	8	8
	O	BSN04	337	Time	TM	4	8
Must Use	M	BSN05	1005	Hierarchical Structure Code	ID	4	4
				0001 Shipment, Order, Packaging, Item			

Syntax Notes: If 07 is present, then 06 is required.

HL ○ Hierarchical Level

User Req:	MUST USE
Table/Area:	1
Loop:	HL
Loop Section:	HL
Position:	0010
Max Use:	1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	HL01	628	Hierarchical ID Number	AN	1	12
	M	HL03	735	Hierarchical Level Code	ID	1	2

S	Shipment

TD5

TD5 ◦ Carrier Details (Routing Sequence/Transit Time)

User Req: MUST USE
Table/Area: 1
Loop: HL
Loop Section: HL
Position: 0120
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	O	TD501	133	Routing Sequence Code	ID	1	2
				B Origin/Delivery Carrier (Any Mode)			
	O	TD502	66	Identification Code Qualifier	ID	1	2
				2 Standard Carrier Alpha Code (SCAC)			
	X	TD503	67	Identification Code	AN	2	80
Must Use	M	TD505	387	Routing	AN	1	35
	O	TD512	284	Service Level Code	ID	2	2
				CG Ground			
				ND Next Day Air			
				ON Overnight			
				SA Same Day			

Syntax Notes: At least one of 02, 04, 05, 06 and 12 is required.
If 02 is present, then 03 is required.
If 07 is present, then 08 is required.
If 10 is present, then 11 is required.
If 13 is present, then 12 is required.
If 14 is present, then 13 is required.
If 15 is present, then 12 is required.

Set Note: TD503 Identification (CarrierCode) - this is the Standard Carrier Alpha Code (SCAC). If you are using your own custom shipping methods, these are set-up on the "Shipment Settings" page in the portal, the CarrierCode will automatically populate based on the ClassCode (TD505) submitted.

TD505 Routing (Classcode) - This is the field that will be a combination of both SCAC and ServiceLevel. If you map this to your partner's, the CarrierCode (TD503) and the ServiceLevelCode(TD512) will automatically populate accordingly. This will allow you to only keep track of one code (ClassCode) rather then 3.

TD512 Service Level Code (ServiceLevelCode) - If you are using your own custom shipping methods, these are set-up on the "Shipment Settings" page in the portal, the ServiceLevelCode (TD512) will automatically populate based on the ClassCode (TD505) submitted.

REF ◦ Reference Identification

REF

User Req:	USED
Table/Area:	1
Loop:	HL
Loop Section:	HL
Position:	0130
Max Use:	1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	REF01	128	Reference Identification Qualifier	ID	2	3

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

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	X	REF02	127	Reference Identification	AN	1	30

Syntax Notes: At least one of 02 and 03 is required.

Set Note: IA (Internal Vendor Number) - this is the number assigned by the merchant to identify the supplier; this field is optional.

CN (Carrier Reference/PRO Number) - If your shipment has a PRO number, please enter it here. This field is optional.

BM (Bill of Lading) - the bill of lading number provided by your carrier. This field is optional.

IL (Internal Order Number) - this is the end customer's order number. This field is optional.

DTM

DTM ◦ Date/Time Reference

User Req: MUST USE
Table/Area: 1
Loop: HL
Loop Section: HL
Position: 0200
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	DTM01	374	Date/Time Qualifier	ID	3	3

011	Shipped
067	Current Schedule Delivery

	X	DTM02	373	Date	DT	8	8

Syntax Notes: At least one of 02, 03 and 05 is required.
If 04 is present, then 03 is required.
If any of 05 or 06 are present, then all are required.

Set Note: 011 (Shipped) - Date the shipment is getting picked up. This field is required.

067 (Current Schedule Delivery) - Date the shipment is expected to be delivered. This field is required.

N1

N1 ○ Name

User Req:	MUST USE
Table/Area:	1
Loop:	N1
Loop Section:	HL;N1
Position:	0300
Max Use:	1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	N101	98	Entity Identifier Code	ID	2	3

ST	Ship To
SF	Ship From
BT	Bill-to-Party

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	N102	93	Name	AN	1	60
	O	N103	66	Identification Code Qualifier	ID	1	2

93	Code assigned by the organization originating the transaction set

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	X	N104	67	Identification Code	AN	2	80

Syntax Notes: At least one of 02 and 03 is required.
If any of 03 or 04 are present, then all are required.

Set Note: ST (Ship-To) and SF (Ship-From) Addresses are required.

N3

N3 ◦ Address Information

User Req:	MUST USE
Table/Area:	1
Loop:	N1
Loop Section:	HL;N1
Position:	0310
Max Use:	1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	N301	166	Address Information	AN	1	55
	O	N302	166	Address Information	AN	1	55

N4

N4 ○ Geographic Location

User Req: MUST USE
Table/Area: 1
Loop: N1
Loop Section: HL;N1
Position: 0320
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	N401	19	City Name	AN	2	30
	M	N402	156	State or Province Code	ID	2	2
	M	N403	116	Postal Code	ID	3	15
	O	N404	26	Country Code	ID	2	3

Syntax Notes: If 06 is present, then 05 is required.

PER

PER ◦ Administrative Communications Contact

User Req: USED
Table/Area: 1
Loop: N1
Loop Section: HL;N1
Position: 0330
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	PER01	366	Contact Function Code	ID	2	2
				IC Information Contact			
	M	PER02	93	Name	AN	1	60
	O	PER03	365	Communication Number Qualifier	ID	2	2
				EM Electronic Mail			
	X	PER04	364	Communication Number	AN	1	80
	O	PER05	365	Communication Number Qualifier	ID	2	2
				TE Telephone			
	X	PER06	364	Communication Number	AN	1	80

Syntax Notes: If any of 03 or 04 are present, then all are required.
If any of 05 or 06 are present, then all are required.
If any of 07 or 08 are present, then all are required.

Set Note: PER02 (Name) this will be both the first and last name for the address if available.

HL ○ Hierarchical Level

HL

User Req:	MUST USE
Table/Area:	1
Loop:	HL
Loop Section:	HL
Position:	0010
Max Use:	1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	HL01	628	Hierarchical ID Number	AN	1	12
Must Use	M	HL02	734	Hierarchical Parent ID Number	AN	1	12
Must Use	M	HL03	735	Hierarchical Level Code	ID	1	2

O	Order

PRF ◦ Purchase Order Reference

PRF

User Req:	MUST USE
Table/Area:	1
Loop:	HL
Loop Section:	HL
Position:	0050
Max Use:	1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	PRF01	324	Purchase Order Number	AN	1	22

Set Note: PRF01 (Purchase Order Number) - this is the same number that was sent on the 850. This will always need to match.

HL ▫ Hierarchical Level

HL

User Req:	USED
Table/Area:	1
Loop:	HL
Loop Section:	HL
Position:	0010
Max Use:	1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	HL01	628	Hierarchical ID Number	AN	1	12
	O	HL02	734	Hierarchical Parent ID Number	AN	1	12
	M	HL03	735	Hierarchical Level Code	ID	1	2

T	Shipping Tare

Set Note: This level will be used only to specify pallet. If you are not sending pallets, please ignore this level.

TD1 ◦ Carrier Details (Quantity and Weight)

TD1

User Req: USED
Table/Area: 1
Loop: HL
Loop Section: HL
Position: 0100
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	O	TD101	103	Packaging Code	AN	3	5
				PLT			
	O	TD102	80	Lading Quantity	N0	1	7
	O	TD106	187	Weight Qualifier	ID	1	2
				G Gross Weight			
	O	TD107	81	Weight	R	1	10
	C	TD108	355	Unit or Basis for Measurement Code	ID	2	2
				LB Pound			
	O	TD109	183	Volume	R	1	8
	C	TD110	355	Unit or Basis for Measurement Code	ID	2	2
				IN Inch			

Syntax Notes: If 01 is present, then 02 is required.
If 03 is present, then 04 is required.
If 06 is present, then 07 is required.
If any of 07 or 08 are present, then all are required.
If any of 09 or 10 are present, then all are required.

Set Note: TD101 (Packaging Code) - PLT will always be used to specify that this is a pallet.

TD102 (Lading Quantity) - Total number of cartons (Pack Level) that are on the pallet.

TD107 (Weight) - Gross weight of the pallet.

TD109 (Volume) - total volume measurement of the pallet.

REF ○ Reference Identification

REF

User Req: USED
Table/Area: 1
Loop: HL
Loop Section: HL
Position: 0200
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	REF01	128	Reference Identification Qualifier	ID	2	3
				ZH Carrier Assigned Reference Number			
	X	REF02	127	Reference Identification	AN	1	30

Syntax Notes: At least one of 02 and 03 is required.

Set Note: ZH (Carrier Assigned Reference Number) - This will be a tracking number for the specific pallet.

MAN

MAN ◦ Marks and Numbers

User Req:	USED
Table/Area:	1
Loop:	HL
Loop Section:	HL
Position:	0215
Max Use:	1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	MAN01	88	Marks and Numbers Qualifier	ID	1	2
				GM SSCC-18 and Application Identifier			
	X	MAN02	87	Marks and Numbers	AN	1	48

Syntax Notes: If any of 04 or 05 are present, then all are required.
If 06 is present, then 05 is required.

Set Note: GM (SSCC-18 and Application Identifier) - This needs to be a GS1 formatted SSCC-18 code and will need to match the label that is being put on the physical pallet shipment.

HL ∘ Hierarchical Level

HL

User Req:	MUST USE
Table/Area:	1
Loop:	HL
Loop Section:	HL
Position:	0010
Max Use:	1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	HL01	628	Hierarchical ID Number	AN	1	12
	M	HL02	734	Hierarchical Parent ID Number	AN	1	12
	M	HL03	735	Hierarchical Level Code	ID	1	2

P	Pack

PO4 ▫ Item Physical Details

PO4

User Req:	MUST USE
Table/Area:	1
Loop:	HL
Loop Section:	HL
Position:	0100
Max Use:	1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	PO410	82	Length	R	1	8
Must Use	M	PO411	189	Width	R	1	8
Must Use	M	PO412	65	Height	R	1	8
	M	PO413	355	Unit or Basis for Measurement Code	ID	2	2

IN	Inch

Syntax Notes: If any of 02 or 03 are present, then all are required.
If 05 is present, then 06 is required.
If any of 06 or 07 are present, then all are required.
If any of 08 or 09 are present, then all are required.
If 10 is present, then 13 is required.
If 11 is present, then 13 is required.
If 12 is present, then 13 is required.
If 13 is present, then at least 10, 11 or 12 is required.
If 17 is present, then 16 is required.
If 18 is present, then 04 is required.

TD1 ◦ Carrier Details (Quantity and Weight)

TD1

User Req: MUST USE
Table/Area: 1
Loop: HL
Loop Section: HL
Position: 0120
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	TD101	103	Packaging Code CTN	AN	3	5
	O	TD102	80	Lading Quantity	N0	1	7
Must Use	M	TD106	187	Weight Qualifier	ID	1	2
				G Gross Weight			
Must Use	M	TD107	81	Weight	R	1	10
Must Use	M	TD108	355	Unit or Basis for Measurement Code	ID	2	2
				LB Pound			

Syntax Notes: If 01 is present, then 02 is required.
If 03 is present, then 04 is required.
If 06 is present, then 07 is required.
If any of 07 or 08 are present, then all are required.
If any of 09 or 10 are present, then all are required.

Set Note: TD101 (Packaging Code) - CTN will always be used to specify that this is a carton or box.

TD102 (Lading Quantity) - Total number of Items (Item Level) that are in the carton or box.

TD107 (Weight) - Gross weight of the carton or box.

MAN ◦ Marks and Numbers

MAN

User Req:	MUST USE
Table/Area:	1
Loop:	HL
Loop Section:	HL
Position:	0150
Max Use:	2

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name		Data Type	Min Len.	Max Len.
Must Use	M	MAN01	88	Marks and Numbers Qualifier		ID	1	2
				CP	Carrier-Assigned Package ID Number			
				GM	SSCC-18 and Application Identifier			
	X	MAN02	87	Marks and Numbers		AN	1	48

Syntax Notes: If any of 04 or 05 are present, then all are required.
If 06 is present, then 05 is required.

Set Note: CP (Carrier-Assigned Package ID Number) - This is the tracking number assigned by your carrier for the carton or box shipment.

GM (SSCC-18 and Application Identifier) - This needs to be a GS1 formatted SSCC-18 code and will need to match the label that is being put on the physical carton or box.

HL ◦ Hierarchical Level

HL

User Req: MUST USE
Table/Area: 1
Loop: HL
Loop Section: HL
Position: 0010
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	HL01	628	Hierarchical ID Number	AN	1	12
	O	HL02	734	Hierarchical Parent ID Number	AN	1	12
	M	HL03	735	Hierarchical Level Code	ID	1	2

I	Item

LIN ▫ Item Identification

```
              User Req:  MUST USE
            Table/Area:  1
                  Loop:  HL
          Loop Section:  HL
              Position:  0020
               Max Use:  1
```

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	O	LIN01	350	Assigned Identification	AN	1	20
Must Use	M	LIN02	235	Product/Service ID Qualifier	ID	2	2
				VN Vendor's (Seller's) Item Number			
Must Use	X	LIN03	234	Product/Service ID	AN	1	48
	O	LIN04	235	Product/Service ID Qualifier	ID	2	2
				IN Buyer's Item Number			
	X	LIN05	234	Product/Service ID	AN	1	48
	O	LIN06	235	Product/Service ID Qualifier	ID	2	2
				UP U.P.C. Consumer Package Code (1-5-5-1)			
	X	LIN07	234	Product/Service ID	AN	1	48

```
Syntax Notes:  If any of 04 or 05 are present, then all are required.
               If any of 06 or 07 are present, then all are required.
               If any of 08 or 09 are present, then all are required.
               If any of 10 or 11 are present, then all are required.
               If any of 12 or 13 are present, then all are required.
               If any of 14 or 15 are present, then all are required.
               If any of 16 or 17 are present, then all are required.
               If any of 18 or 19 are present, then all are required.
               If any of 20 or 21 are present, then all are required.
               If any of 22 or 23 are present, then all are required.
               If any of 24 or 25 are present, then all are required.
               If any of 26 or 27 are present, then all are required.
               If any of 28 or 29 are present, then all are required.
               If any of 30 or 31 are present, then all are required.
```

SN1 ○ Item Detail (Shipment)

SN1

User Req:	MUST USE
Table/Area:	1
Loop:	HL
Loop Section:	HL
Position:	0030
Max Use:	1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	SN102	382	Number of Units Shipped	R	1	10
Must Use	M	SN103	355	Unit or Basis for Measurement Code	ID	2	2
				EA Each			

Syntax Notes: If any of 05 or 06 are present, then all are required.

PID ◦ Product/Item Description

PID

	User Req:	USED
	Table/Area:	1
	Loop:	HL
	Loop Section:	HL
	Position:	0040
	Max Use:	1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	PID01	349	Item Description Type	ID	1	1
				F Free-form			
	M	PID02	750	Product/Process Characteristic Code	ID	2	3
				08 Product			
				35 Color			
				SIZ Sizing			
	M	PID05	352	Description	AN	1	80

Syntax Notes: If 04 is present, then 03 is required.
At least one of 04 and 05 is required.
If 07 is present, then 03 is required.
If 08 is present, then 04 is required.
If 09 is present, then 05 is required.

CTT ∘ Transaction Totals

CTT

User Req:	MUST USE
Table/Area:	1
Loop:	N/A
Loop Section:	N/A
Position:	0010
Max Use:	1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	CTT01	354	Number of Line Items	N0	1	6
	O	CTT02	347	Hash Total	R	1	10

Syntax Notes: If any of 03 or 04 are present, then all are required.
If any of 05 or 06 are present, then all are required.

SE ◦ Transaction Set Trailer

SE

User Req:	MUST USE
Table/Area:	1
Loop:	N/A
Loop Section:	N/A
Position:	0020
Max Use:	1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	SE01	96	Number of Included Segments	N0	1	10
	M	SE02	329	Transaction Set Control Number	AN	4	9