



**Fisher Scientific**

## **EDI Specifications Guide**

### **856 – Supplier Advance Ship Notice**



# 856

## Ship Notice/Manifest - Functional Group=SH

**VER. 4010**

### FISHER SCIENTIFIC

This Standard contains the format and establishes the data contents of the Fisher Scientific Supplier Ship Notice/Manifest Transaction Set (856) for use within the context of an Electronic Data Interchange (EDI) environment. Please refer to the *EDI Services Guide* for additional information. All information contained herein is subject to change at the discretion of Fisher Scientific Company, L.L.C.

#### Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
010	ST	Transaction Set Header	M	1		
020	BSN	Beginning Segment for Ship Notice	M	1		
040	DTM	Date/Time Reference	O	10		

#### Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
<b>LOOP ID - HL</b>					<b>200000</b>	
010	HL	Hierarchical Level	M	1		C2/010
020	LIN	Item Identification	O	1		
030	SN1	Item Detail (Shipment)	O	1		
040	SLN	Subline Item Detail	O	1000		
050	PRF	Purchase Order Reference	O	1		
190	MAN	Marks and Numbers	O	>1		

#### Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
010	CTT	Transaction Totals	O	1		N3/010
020	SE	Transaction Set Trailer	M	1		

#### Notes:

3/010 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:

2/010 The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.

## ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

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

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3
		<u>Code</u> <u>NAME</u>			
		856 Ship Notice/Manifest			
ST02	329	Transaction Set Control Number	M	AN	4/9

### Semantics:

- The transaction set identifier (ST01) 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

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

To transmit identifying numbers, dates, and other basic data relating to the transaction set

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
BSN01	353	Transaction Set Purpose Code <u>Code</u> <u>NAME</u> 00 Original	M	ID	2/2
BSN02	396	Shipment Identification	M	AN	2/30
BSN03	373	Date	M	DT	8/8
BSN04	337	Time	M	TM	4/8
BSN05	1005	Hierarchical Structure Code <u>Code</u> <u>NAME</u> 0001 Shipment,Packaging, Item	O	ID	4/4

### Semantics:

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

## DTM Date/Time Reference

Pos: 040	Max: 10
Heading - Optional	
Loop: N/A	Elements: 4

To specify pertinent dates and times

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
DTM01	374	Date/Time Qualifier <u>Code</u> <u>NAME</u> 011 Shipped	M	ID	3/3
DTM02	373	Date	C	DT	8/8
DTM03	337	Time	C	TM	4/8
DTM04	623	Time Code <u>Code</u> <u>NAME</u> ES Eastern Standard Time	O	ID	2/2

### Syntax:

1. R020305 -- At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 -- If DTM04 is present, than DTM03 is required
3. P0506 -- If either DTM05 or DTM06 are present, then the others are required.

## HL Hierarchical Level

Pos: 010	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 4

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

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
HL01	628	Hierarchical ID Number	M	AN	1/12
HL02	734	Hierarchical Parent ID Number	O	AN	1/12
HL03	735	Hierarchical Level Code	M	ID	1/2
		<u>Code</u> <u>NAME</u>			
		I Item			
		O Order			
		P Pack			
		S Shipment			
		T Shipping Tare			
HL04	736	Hierarchical Child Code	O	ID	1/1
		<u>Code</u> <u>NAME</u>			
		0 No Subordinate HL Segment in This Hierarchical Structure.			
		1 Additional Subordinate HL Data Segment in This Hierarchical Structure.			

### Comments:

1. The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
2. The HL segment defines a top-down/left-right ordered structure.
3. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
6. HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

## LIN Item Identification

Pos: 020	Max: 1
Detail - Optional	
Loop: HL	Elements: 3

To specify basic item identification data

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
LIN01	350	Assigned Identification	O	AN	1/20
LIN02	235	Product/Service ID Qualifier	M	ID	2/2
		<u>Code</u> <u>NAME</u>			
		VC Vendor's (Seller's) Catalog Number			
		CB Buyer's Catalog Number			
LIN03	234	Product/Service ID	M	AN	1/48

### Semantics:

- LIN01 is the line item identification

### Comments:

- See the Data Dictionary for a complete list of IDs.
- LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

## SN1 Item Detail (Shipment)

Pos: 030	Max: 1
Detail - Optional	
Loop: HL	Elements: 3

To specify line-item detail relative to shipment

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SN101	350	Assigned Identification	O	AN	1/20
SN102	382	Number of Units Shipped	M	R	1/10
SN103	355	Unit or Basis for Measurement Code	M	ID	2/2
		<u>Code</u> <u>NAME</u>			
		BX Box			
		CA Case			
		EA Each			
		PK Package			
		PR Pair			

### Semantics:

- SN101 is the ship notice line-item identification.

### Comments:

- SN103 defines the unit of measurement for both SN102 and SN104.



## SLN Subline Item Detail

Pos: 040	Max: 1000
Detail - Optional	
Loop: HL	Elements: 5

To specify product subline detail item data

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>
SLN01	350	Assigned Identification	M	AN	1/20	N/350
SLN02	350	Assigned Identification	O	AN	1/20	
SLN03	662	Relationship Code <u>Code NAME</u> I Included	M	ID	1/1	
SLN09	235	Product/Service ID Qualifier <u>Code NAME</u> LT Lot Number	C	ID	2/2	
SLN10	234	Product/Service ID	C	AN	1/48	

### Syntax:

1. SLN09 -- If either SLN09 or SLN10 are present, then the others are required.

### Semantics:

1. SLN01 is the identifying number for the subline item.
2. SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
3. SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

### Comments:

1. See the Data Element Dictionary for a complete list of IDs.
2. SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
3. SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

### Notes:

N/350 Please refer to *EDI Services Guide* for additional requirements.

## PRF Purchase Order Reference

Pos: 050	Max: 1
Detail - Optional	
Loop: HL	Elements: 7

To provide reference to a specific purchase order

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>
PRF01	324	Purchase Order Number	M	AN	1/22	N/324

### Notes:

N/324 Please refer to *EDI Services Guide* for additional requirements.

## MAN Marks and Numbers

Pos: 190	Max: >1
Detail - Optional	
Loop: HL	Elements: 3

To indicate identifying marks and numbers for shipping containers

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>
MAN01	88	Marks and Numbers Qualifier	M	ID	1/2	N/88
		<u>Code</u> <u>NAME</u>				
		GM SSCC-18 and Application Identifier				
		SM Shipper Assigned				
MAN02	87	Marks and Numbers	M	AN	1/48	

### Semantics:

1. MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.
2. When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.

### Comments:

1. When MAN01 contains code "UC" (U.P.C. Shipping Container Code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06.

### Notes:

N/88 Please refer to *EDI Services Guide* for additional requirements.

## CTT Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: N/A	Elements: 2

To transmit a hash total for a specific element in the transaction set

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
CTT01	354	Number of Line Items	M	N0	1/6
CTT02	347	Hash Total	O	R	1/10

### Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

## SE Transaction Set Trailer

Pos: 030	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SE01	96	Number of Included Segments	M	N0	1/10
SE02	329	Transaction Set Control Number	M	AN	4/9

### Comments:

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

Below is a complete example of a Shipment Level and Pallet Level 856 transmission:

### *Shipment Level*

```
ISA*00*          *00*          *ZZ*7777777777 *14*004321519IBMP *070920*0849*U*00401*000012152*0*P*>
GS*SH*7777777777*004321519*20070920*0849*12467*X*004010
ST*856*12159
BSN*00*222253*20070919*115902*0001
HL*1**S
DTM*011*20070919
HL*2*1*O
PRF*DR3469500
HL*3*2*P
MAN*SM*1Z54242X0357922222
HL*4*3*I
LIN*001*CB*25901
SN1*001*2*EA
CTT*4
SE*13*12159
GE*1*12467
IEA*1*000012152
```

### *Pallet Level*

```
ISA*00*          *00*          *ZZ*7777777777 *14*004321519IBMP *070920*0849*U*00401*000012152*0*P*>
GS*SH*7777777777*004321519*20070920*0849*12467*X*004010
ST*856*12159
BSN*00*222253*20070919*115902*0001
HL*1**S
DTM*011*20070919
HL*2*1*O*1
PRF*DR3469500
HL*3*2*T*1
MAN*SM*1Z54242X0357922222
HL*4*3*I*1
LIN*001*CB*25901
SN1*001*2*EA
CTT*4
SE*13*12159
GE*1*12467
IEA*1*000012152
```