856 Ship Notice/Manifest

Functional Group ID=SH

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Ship Notice/Manifest Transaction Set (856) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to list the contents of a shipment of goods as well as additional information relating to the shipment, such as order information, product description, physical characteristics, type of packaging, marking, carrier information, and configuration of goods within the transportation equipment. The transaction set enables the sender to describe the contents and configuration of a shipment in various levels of detail and provides an ordered flexibility to convey information. The sender of this transaction is the organization responsible for detailing and communicating the contents of a shipment, or shipments, to one or more receivers of the transaction set. The receiver of this transaction set can be any organization having an interest in the contents of a shipment or information about the contents of a shipment.

Notes:

Change History

01/20/2006:
N102 optional, when N101=ST
PID segment optional

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	BSN	Beginning Segment for Ship Notice	M	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - HLS			200000	
M	010	HL	Hierarchical Level - Shipment Level	M	1		c1
M	110	TD1	Carrier Details (Quantity and Weight)	M	1		
	120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	1		
	150	REF	Reference Identification	C	2		
M	200	DTM	Date/Time Reference	M	3		
			LOOP ID - N1			2	
M	220	N1	Name	M	1		
	240	N3	Address Information	O	1		
	250	N4	Geographic Location	O	1		
			LOOP ID - HLO			200000	
M	010	HL	Hierarchical Level - Order Level	M	1		

M	050	PRF	Purchase Order Reference	M	1		
M	110	TD1	Carrier Details (Quantity and Weight)	M	1		
M	150	REF	Reference Identification	M	2		
			LOOP ID - HLP			200000	
M	010	HL	Hierarchical Level - Pack Level	M	1		
M	190	MAN	Marks and Numbers	M	>1		
			LOOP ID - HLI			200000	
M	010	HL	Hierarchical Level - Item Level	M	1		
M	020	LIN	Item Identification	M	1		
M	030	SN1	Item Detail (Shipment)	M	1		
	070	PID	Product/Item Description	O	200		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
	010	CTT	Transaction Totals	O	1		
M	020	SE	Transaction Set Trailer	M	1		

Transaction Set Comments

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

Segment: **ST** **Transaction Set Header**
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**ST01**	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set 856 Ship Notice/Manifest	**M ID 3/3**
M	**ST02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set The number is sequentially assigned by the sender, starting with one within each functional group. For each functional group, the first transaction set control number will be 0001 and incremented by one for each additional transaction set within the group.	**M AN 4/9**

Segment: **BSN** **Beginning Segment for Ship Notice**
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set
Syntax Notes: **1** If BSN07 is present, then BSN06 is required.
Comments: **1** BSN06 and BSN07 differentiate the functionality of use for the transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**BSN01**	**353**	**Transaction Set Purpose Code** Code identifying purpose of transaction set 00 Original	**M ID 2/2**
M	**BSN02**	**396**	**Shipment Identification** A unique control number assigned by the original shipper to identify a specific shipment	**M AN 2/30**
M	**BSN03**	**373**	**Date** Date expressed as CCYYMMDD	**M DT 8/8**
M	**BSN04**	**337**	**Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	**M TM 4/8**
>>	**BSN05**	**1005**	**Hierarchical Structure Code** Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set 0001 Shipment, Order, Packaging, Item Pick and Pack Structure	**O ID 4/4**

Segment: **HL** **Hierarchical Level - Shipment Level**
Position: 010
Loop: HLS Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments
Syntax Notes:
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.
The HL segment defines a top-down/left-right ordered structure.
2 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.
3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
4 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.
5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.
Notes: The HL segment is used to identify levels of detail information using a hierarchical structure.

HL01 shall contain a unique number for each occurrence of the HL segment within the transaction set. The value assigned to the first HL segment will be 1, and is incremented by one for each subsequent HL segment within the transaction set.

HL02 identifies the hierarchical ID of the HL segment to which it is subordinate (child of). HL02 will be omitted for the first occurrence of the HL segment in the transaction set, since it has no parent. HL03 identifies the application content of the series of segments following the current HL segment up to the next occurrence of an HL segment, or the CTT or SE segment, e.g., Shipment, Unit Load, Order, Tare, Pack and Item.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**HL01**	**628**	**Hierarchical ID Number**	**M AN 1/12**
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure The value for this level (shipment) is 1.	
M	**HL03**	**735**	**Hierarchical Level Code**	**M ID 1/2**
			Code defining the characteristic of a level in a hierarchical structure S Shipment	

Segment: **TD1** **Carrier Details (Quantity and Weight)**
Position: 110
Loop: HLS Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify the transportation details relative to commodity, weight, and quantity
Syntax Notes:
1 If TD101 is present, then TD102 is required.
2 If TD103 is present, then TD104 is required.
3 If TD106 is present, then TD107 is required.
4 If either TD107 or TD108 is present, then the other is required.
5 If either TD109 or TD110 is present, then the other is required.
Comments:
Notes: Part 1: 3-character alpha codes
Part 2 : 2-digit codes

If code from Part 2 is used, then code from Part 1 is also required.
Acceptable examples: MIX, BAG, CTN25, PLT94
Invalid: 25, 01

Most common is CTN25

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**TD101**	**103**	**Packaging Code**	**M**	**AN 3/5**
			Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required		
			BAG Bag		
			CTN Carton		
			MIX Mixed Container Types		
			Can be used only with code 71 in Part 2		
			PLT Pallet		
			SLP Slip Sheet		
			SRW Shrink Wrap		
			01 Aluminum		
			25 Corrugated or Solid		
			31 Fibre		
			71 Not Otherwise Specified		
			76 Paper		
			79 Plastic		
			94 Wood		
M	**TD102**	**80**	**Lading Quantity**	**M**	**N0 1/7**
			Number of units (pieces) of the lading commodity		
			The number of packages in the shipment as described in TD101		
	TD106	**187**	**Weight Qualifier**	**O**	**ID 1/2**
			Code defining the type of weight		
			G Gross Weight		
	TD107	**81**	**Weight**	**X**	**R 1/10**
			Numeric value of weight		
			Total Weight of Shipment		
	TD108	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			LB Pound		

Segment: **TD5** **Carrier Details (Routing Sequence/Transit Time)**
Position: 120
Loop: HLS Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the carrier and sequence of routing and provide transit time information
Syntax Notes:
1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.
2 If TD502 is present, then TD503 is required.
3 If TD507 is present, then TD508 is required.
4 If TD510 is present, then TD511 is required.
5 If TD513 is present, then TD512 is required.
6 If TD514 is present, then TD513 is required.
7 If TD515 is present, then TD512 is required.
Comments:
1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.
Notes: When using a small package service provider as the carrier, TD502 will contain code 2, TD503 will contain the carrier's SCAC, and TD504 will contain code U to inform the receiver of a small package service shipment.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
	TD502	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)			
			2	Standard Carrier Alpha Code (SCAC)		
	TD503	**67**	**Identification Code**		**X**	**AN 2/80**
			Code identifying a party or other code			
			Carrier SCAC Code			
	TD504	**91**	**Transportation Method/Type Code**		**X**	**ID 1/2**
			Code specifying the method or type of transportation for the shipment			
			A	Air		
			AE	Air Express		
			BU	Bus		
			C	Consolidation		
			CE	Customer Pickup / Customer's Expense		
			D	Parcel Post		
			E	Expedited Truck		
			H	Customer Pickup		
			L	Contract Carrier		
			M	Motor (Common Carrier)		
			R	Rail		
			S	Ocean		
			T	Best Way (Shippers Option)		
			U	Private Parcel Service		
M	**TD505**	**387**	**Routing**		**M**	**AN 1/35**
			Free-form description of the routing or requested routing for shipment, or the originating carrier's identity			
			Carrier Name / Routing information			

Segment: **REF** **Reference Identification**
Position: 150
Loop: HLS Mandatory
Level: Detail
Usage: Conditional
Max Use: 2
Purpose: To specify identifying information
Syntax Notes:
1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Comments:
Notes: One of Bill of Lading or Carrier PRO # is required.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification BM Bill of Lading Number CN Carrier's Reference Number (PRO/Invoice)	**M ID 2/3**
M	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Bill of Lading Number or PRO Number	**M AN 1/30**

Segment: **DTM** **Date/Time Reference**
Position: 200
Loop: HLS Mandatory
Level: Detail
Usage: Mandatory
Max Use: 3
Purpose: To specify pertinent dates and times
Syntax Notes: **1** At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Comments:
Notes: Shipped Date is required.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**DTM01**	**374**	**Date/Time Qualifier**	**M ID 3/3**
			Code specifying type of date or time, or both date and time	
			011 Shipped	
			Required	
			017 Estimated Delivery	
			067 Current Schedule Delivery	
M	**DTM02**	**373**	**Date**	**M DT 8/8**
			Date expressed as CCYYMMDD	

Segment: **N1** **Name**
Position: 220
Loop: N1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: **1** At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Comments: **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.
Notes: Both ST and SF occurances are required.

When N101=SF, N103/04 are optional.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual SF Ship From ST Ship To	**M**	**ID 2/3**
	N102	**93**	**Name** Free-form name Mandatory when N101=SF Optional when N101=ST	**X**	**AN 1/60**
M	**N103**	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) Optional, when N101=SF 92 Assigned by Buyer or Buyer's Agent	**M**	**ID 1/2**
M	**N104**	**67**	**Identification Code** Code identifying a party or other code Store # Optional, when N101=SF	**M**	**AN 2/80**

Segment: **N3** **Address Information**
Position: 240
Loop: N1 Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the location of the named party
Syntax Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N301**	**166**	**Address Information** Address information	**M AN 1/55**
	N302	**166**	**Address Information** Address information	**O AN 1/55**

Segment: **N4** **Geographic Location**
Position: 250
Loop: N1 Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: **1** If N406 is present, then N405 is required.
Comments: **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N401	**19**	**City Name** Free-form text for city name	**O AN 2/30**
N402	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency	**O ID 2/2**
N403	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O ID 3/15**
N404	**26**	**Country Code** Code identifying the country	**O ID 2/3**

Segment: **HL** **Hierarchical Level - Order Level**
Position: 010
Loop: HLO Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments
Syntax Notes:
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.
The HL segment defines a top-down/left-right ordered structure.
2 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.
3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
4 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.
5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.
Notes: The HL segment is used to identify levels of detail information using a hierarchical structure.

HL01 shall contain a unique number for each occurrence of the HL segment within the transaction set. The value assigned to the first HL segment will be 1, and is incremented by one for each subsequent HL segment within the transaction set.

HL02 identifies the hierarchical ID of the HL segment to which it is subordinate (child of). HL02 will be omitted for the first occurrence of the HL segment in the transaction set, since it has no parent. HL03 identifies the application content of the series of segments following the current HL segment up to the next occurrence of an HL segment, or the CTT or SE segment, e.g., Shipment, Unit Load, Order, Tare, Pack and Item.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**HL01**	**628**	**Hierarchical ID Number** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure The value for this level (shipment) is 1.	**M AN 1/12**
M	**HL03**	**735**	**Hierarchical Level Code** Code defining the characteristic of a level in a hierarchical structure O Order	**M ID 1/2**

Segment: **PRF** **Purchase Order Reference**
Position: 050
Loop: HLO Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To provide reference to a specific purchase order
Syntax Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**PRF01**	**324**	**Purchase Order Number** Identifying number for Purchase Order assigned by the orderer/purchaser	**M**	**AN 1/8**
	PRF04	**373**	**Date** Date expressed as CCYYMMDD Original PO Date	**O**	**DT 8/8**

Segment: **TD1** **Carrier Details (Quantity and Weight)**
Position: 110
Loop: HLO Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify the transportation details relative to commodity, weight, and quantity
Syntax Notes:
1 If TD101 is present, then TD102 is required.
2 If TD103 is present, then TD104 is required.
3 If TD106 is present, then TD107 is required.
4 If either TD107 or TD108 is present, then the other is required.
5 If either TD109 or TD110 is present, then the other is required.
Comments:
Notes: Part 1: 3-character alpha codes
Part 2 : 2-digit codes

If code from Part 2 is used, then code from Part 1 is also required.
Acceptable examples: MIX, BAG, CTN25, PLT94
Invalid: 25, 01

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**TD101**	**103**	**Packaging Code**	**M**	**AN 3/5**
			Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required		
			BAG Bag		
			CTN Carton		
			MIX Mixed Container Types		
			Can be used only with code 71 in Part 2		
			PLT Pallet		
			SLP Slip Sheet		
			SRW Shrink Wrap		
			01 Aluminum		
			25 Corrugated or Solid		
			31 Fibre		
			71 Not Otherwise Specified		
			76 Paper		
			79 Plastic		
			94 Wood		
M	**TD102**	**80**	**Lading Quantity**	**M**	**N0 1/7**
			Number of units (pieces) of the lading commodity		
			The number of packages in the order as described in TD101		
	TD106	**187**	**Weight Qualifier**	**O**	**ID 1/2**
			Code defining the type of weight		
			G Gross Weight		
	TD107	**81**	**Weight**	**X**	**R 1/10**
			Numeric value of weight		
			Order Weight		
	TD108	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			LB Pound		

Segment: **REF** **Reference Identification**
Position: 150
Loop: HLO Mandatory
Level: Detail
Usage: Mandatory
Max Use: 2
Purpose: To specify identifying information
Syntax Notes: **1** At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Comments:
Notes: Vendor # is required.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification DP Department Number IA Internal Vendor Number	**M ID 2/3**
M	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**M AN 1/30**

Segment: **HL** **Hierarchical Level - Pack Level**
Position: 010
Loop: HLP Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments
Syntax Notes:
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.
The HL segment defines a top-down/left-right ordered structure.
2 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.
3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
4 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.
5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.
Notes: The HL segment is used to identify levels of detail information using a hierarchical structure.

HL01 shall contain a unique number for each occurrence of the HL segment within the transaction set. The value assigned to the first HL segment will be 1, and is incremented by one for each subsequent HL segment within the transaction set.

HL02 identifies the hierarchical ID of the HL segment to which it is subordinate (child of). HL02 will be omitted for the first occurrence of the HL segment in the transaction set, since it has no parent. HL03 identifies the application content of the series of segments following the current HL segment up to the next occurrence of an HL segment, or the CTT or SE segment, e.g., Shipment, Unit Load, Order, Tare, Pack and Item.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**HL01**	**628**	**Hierarchical ID Number** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure The value for this level (shipment) is 1.	**M AN 1/12**
M	**HL03**	**735**	**Hierarchical Level Code** Code defining the characteristic of a level in a hierarchical structure P Pack	**M ID 1/2**

Segment: **MAN** **Marks and Numbers**
Position: 190
Loop: HLP Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: To indicate identifying marks and numbers for shipping containers
Syntax Notes:
1 If either MAN04 or MAN05 is present, then the other is required.
2 If MAN06 is present, then MAN05 is required.
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.
2 MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers. When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.
Notes: This segment, at the shipment level, is used to specify a single UCC/EAN-128 Serial Shipping Container Code (SSCC-18) to identify an entire shipment (full trailer).

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**MAN01**	**88**	**Marks and Numbers Qualifier** Code specifying the application or source of Marks and Numbers (87) GM SSCC-18 and Application Identifier This is a twenty-character UCC/EAN-128 Serial Shipping Container Code (SSCC-18) that includes the two digit application identifier. The symbology code and the modulo 103 check digit are not included.	**M ID 1/2**
M	**MAN02**	**87**	**Marks and Numbers** Marks and numbers used to identify a shipment or parts of a shipment SSCC-18 Number is required.	**M AN 1/48**
	MAN04	**88**	**Marks and Numbers Qualifier** Code specifying the application or source of Marks and Numbers (87) CP Carrier-Assigned Package ID Number	**X ID 1/2**
	MAN05	**87**	**Marks and Numbers** Marks and numbers used to identify a shipment or parts of a shipment Carrier Tracking Number for Small Package Carrier Shipments.	**X AN 1/48**

Segment: **HL** **Hierarchical Level - Item Level**
Position: 010
Loop: HLI Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments
Syntax Notes:
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.
The HL segment defines a top-down/left-right ordered structure.
2 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.
3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
4 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.
5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.
Notes: The HL segment is used to identify levels of detail information using a hierarchical structure.

HL01 shall contain a unique number for each occurrence of the HL segment within the transaction set. The value assigned to the first HL segment will be 1, and is incremented by one for each subsequent HL segment within the transaction set.

HL02 identifies the hierarchical ID of the HL segment to which it is subordinate (child of). HL02 will be omitted for the first occurrence of the HL segment in the transaction set, since it has no parent. HL03 identifies the application content of the series of segments following the current HL segment up to the next occurrence of an HL segment, or the CTT or SE segment, e.g., Shipment, Unit Load, Order, Tare, Pack and Item.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**HL01**	**628**	**Hierarchical ID Number** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure The value for this level (shipment) is 1.	**M AN 1/12**
M	**HL03**	**735**	**Hierarchical Level Code** Code defining the characteristic of a level in a hierarchical structure I Item	**M ID 1/2**

Segment: **LIN** **Item Identification**
Position: 020
Loop: HLI Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify basic item identification data
Syntax Notes:
1 If either LIN04 or LIN05 is present, then the other is required.
2 If either LIN06 or LIN07 is present, then the other is required.
3 If either LIN08 or LIN09 is present, then the other is required.
4 If either LIN10 or LIN11 is present, then the other is required.
5 If either LIN12 or LIN13 is present, then the other is required.
6 If either LIN14 or LIN15 is present, then the other is required.
7 If either LIN16 or LIN17 is present, then the other is required.
8 If either LIN18 or LIN19 is present, then the other is required.
9 If either LIN20 or LIN21 is present, then the other is required.
10 If either LIN22 or LIN23 is present, then the other is required.
11 If either LIN24 or LIN25 is present, then the other is required.
12 If either LIN26 or LIN27 is present, then the other is required.
13 If either LIN28 or LIN29 is present, then the other is required.
14 If either LIN30 or LIN31 is present, then the other is required.
Comments:
1 See the Data Dictionary for a complete list of IDs.
2 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.
Notes: **Important Note for Pre-packed Orders**

Please note that on pre-packed orders, Finish Line expects each component SLN from the Purchase Order to be sent back as a separate LIN/SN1 combination on the ASN.

Example:
if 850 contained:
PO1*1*10*CA***UP*098093026113.....
SLN*1**I**1*EA*15.40*WE**UP*098093124587.....
SLN*2**I**3*EA*12.60*WE**UP*098551024501.....

856 should contain:
LIN*1*UP*098093124587.....
SN1**10*EA....
LIN*1*UP*098551024501.....
SN1**30*EA....

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**LIN02**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) UK U.P.C./EAN Shipping Container Code (1-2-5-5-1) Future Use UP U.P.C. Consumer Package Code (1-5-5-1)	**M ID 2/2**
M	**LIN03**	**234**	**Product/Service ID** Identifying number for a product or service UPC # from PO107, if PO103=EA or from SLN10, if PO103=CA	**M AN 1/48**
	LIN04	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) VA Vendor's Style Number	**X ID 2/2**

LIN05	**234**	**Product/Service ID**	**X**	**AN 1/48**
		Identifying number for a product or service		
		Style Number from PO109, if PO103=EA or from SLN12, if PO103=CA		

Segment: **SN1** **Item Detail (Shipment)**
Position: 030
Loop: HLI Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify line-item detail relative to shipment
Syntax Notes: **1** If either SN105 or SN106 is present, then the other is required.
Comments: **1** SN103 defines the unit of measurement for both SN102 and SN104.
Notes: **Important Note for Pre-packed Orders**

Please note that on pre-packed orders, Finish Line expects each component SLN from the Purchase Order to be sent back as a separate LIN/SN1 combination on the ASN.

Example:
if 850 contained:
PO1*1*10*CA***UP*098093026113.....
SLN*1**I**1*EA*15.40*WE**UP*098093124587.....
SLN*2**I**3*EA*12.60*WE**UP*098551024501.....

856 should contain:
LIN*1*UP*098093124587.....
SN1**10*EA....
LIN*1*UP*098551024501.....
SN1**30*EA....

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**SN102**	**382**	**Number of Units Shipped** Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set Qty Shipped (from PO102, when PO103=EA, calculated when PO103=CA Calculation= number of prepacks shipped * SLN04)	**M**	**R 1/10**
M	**SN103**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	**M**	**ID 2/2**
	SN105	**330**	**Quantity Ordered** Quantity ordered Qty Ordered (from PO102, when PO103=EA, calculated when PO103=CA Calculation= PO102 * SLN04)	**O**	**R 1/15**
	SN106	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	**X**	**ID 2/2**

Segment: **PID** **Product/Item Description**
Position: 070
Loop: HLI Mandatory
Level: Detail
Usage: Optional
Max Use: 200
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:
1 If PID04 is present, then PID03 is required.
2 At least one of PID04 or PID05 is required.
3 If PID07 is present, then PID03 is required.
4 If PID08 is present, then PID04 is required.
5 If PID09 is present, then PID05 is required.
Comments:
1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3 PID07 specifies the individual code list of the agency specified in PID03.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**PID01**	**349**	**Item Description Type** Code indicating the format of a description F Free-form	**M ID 1/1**
M	**PID05**	**352**	**Description** A free-form description to clarify the related data elements and their content Product Description	**M AN 1/80**

Segment: **CTT** **Transaction Totals**
Position: 010
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: **1** If either CTT03 or CTT04 is present, then the other is required.
2 If either CTT05 or CTT06 is present, then the other is required.
Comments: **1** This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**CTT01**	**354**	**Number of Line Items**	**M N0 1/6**
			Total number of line items in the transaction set	
			The number of HL segments present in the transaction set	

Segment: **SE** **Transaction Set Trailer**
Position: 020
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:
Comments: **1** SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**SE01**	**96**	**Number of Included Segments** Total number of segments included in a transaction set including ST and SE segments	**M N0 1/10**
M	**SE02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set This must be the same number as is in the ST segment (ST02) for the transaction set.	**M AN 4/9**