

## Introduction

This guideline provides a description and technical layout of the data segments sent in 3M's EDI ship notices (ASC X12 transaction set 856). 3M can send many valid ASC X12 data segments and elements; however, this guideline includes only those that are most commonly sent. If you have data requirements that are not covered in this document, please consult your 3M EDI contact.

The ASC X12 version presented in this guideline is 004010. If you cannot receive ship notices in 004010, please consult your 3M EDI contact for information on other ASC X12 versions sent by 3M.

This transaction set allows 3M to send shipment notification to your company electronically via EDI.

The 856 Ship Notice/Manifest transaction set uses hierarchical levels or "HL loops". To fully document the use of these structures, hierarchical charts have been added to the Data Segment Sequence Chart Section of this guideline. The "Hierarchical Structures Used" charts show the looping structures sent by 3M. At present, 3M sends either the Shipment/Order/Item or the Shipment/Order/Tare/Item structure. The Shipment/Order/Tare/Item structure is only used if 3M is also providing the SSCC-18 serial number and bar coded label.

Examples of ship notices and their ASC X12 interpretation can be found at the back of this guideline.

**Note: For illustration purposes only, all examples use an asterisk (\*) as the data element separator and a caret (^) as the segment terminator. In actual practice, values must be chosen that do not conflict with the data.**

# 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.

## DATA SEGMENT SEQUENCE CHART

### Heading:

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

### Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - HL			200000	
Must Use	010	HL	Hierarchical Level	M	1		c1
	020	LIN	Item Identification	O	1		
	030	SN1	Item Detail (Shipment)	O	1		
	050	PRF	Purchase Order Reference	O	1		
	110	TD1	Carrier Details (Quantity and Weight)	O	20		
	120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
	150	REF	Reference Identification	O	>1		
	190	MAN	Marks and Numbers	O	>1		
	200	DTM	Date/Time Reference	O	10		
			LOOP ID - N1			200	
	220	N1	Name	O	1		
	240	N3	Address Information	O	2		
	250	N4	Geographic Location	O	1		

### 3M Customer Ship Notice

#### Summary:

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>	<u>Notes and</u> <u>Comments</u>
	010	CTT	Transaction Totals	O	1		n1
Must Use	020	SE	Transaction Set Trailer	M	1		

#### Transaction Set Notes

1. 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.

#### 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.

# 856 Ship Notice/Manifest

Functional Group ID **SH**

## HIERARCHICAL STRUCTURES USED SHIPMENT/ORDER/ITEM

### Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
3	010	ST	Transaction Set Header	M	1		
4	020	BSN	Beginning Segment for Ship Notice	M	1		

### Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
LOOP ID - HL							200000
5	010	HL	Hierarchical Level - SHIPMENT LEVEL	M	1		c1
6	110	TD1	Carrier Details (Quantity and Weight)	O	20		
7	120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
9	150	REF	Reference Identification	O	>1		
10	200	DTM	Date/Time Reference	O	10		
LOOP ID - N1							200
11	220	N1	Name	O	1		
12	240	N3	Address Information	O	2		
13	250	N4	Geographic Location	O	1		
LOOP ID - HL							200000
14	010	HL	Hierarchical Level - ORDER LEVEL	M	1		c2
16	050	PRF	Purchase Order Reference	O	1		
17	150	REF	Reference Identification	O	>1		
LOOP ID - HL							200000
21	010	HL	Hierarchical Level - ITEM LEVEL	M	1		c3
23	020	LIN	Item Identification	O	1		
25	030	SN1	Item Detail (Shipment)	O	1		

### Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
26	010	CTT	Transaction Totals	O	1		n1
27	020	SE	Transaction Set Trailer	M	1		

# 856 Ship Notice/Manifest

Functional Group ID=**SH**

## HIERARCHICAL STRUCTURES USED SHIPMENT/ORDER/TARE/ITEM

The Shipment/Order/Tare/Item structure is only used if 3M is also providing the SSCC-18 serial number and bar coded label.

### Heading:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
3	010	ST	Transaction Set Header	M	1		
4	020	BSN	Beginning Segment for Ship Notice	M	1		

### Detail:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - HL						200000	
5	010	HL	Hierarchical Level - SHIPMENT LEVEL	M	1		c1
6	110	TD1	Carrier Details (Quantity and Weight)	O	20		
7	120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
9	150	REF	Reference Identification	O	>1		
10	200	DTM	Date/Time Reference	O	10		
LOOP ID - N1						200	
11	220	N1	Name	O	1		
12	240	N3	Address Information	O	2		
13	250	N4	Geographic Location	O	1		
LOOP ID - HL						200000	
14	010	HL	Hierarchical Level - ORDER LEVEL	M	1		c2
16	050	PRF	Purchase Order Reference	O	1		
17	150	REF	Reference Identification	O	>1		
LOOP ID - HL						200000	
18	010	HL	Hierarchical Level - TARE LEVEL	M	1		c3
20	190	MAN	Marks and Numbers	O	>1		
LOOP ID - HL						200000	
21	010	HL	Hierarchical Level - ITEM LEVEL	M	1		c4
23	020	LIN	Item Identification	O	1		
25	030	SN1	Item Detail (Shipment)	O	1		

### 3M Customer Ship Notice

#### Summary:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
26	010	CTT	Transaction Totals	O	1		nl
27	020	SE	Transaction Set Trailer	M	1		

**3M Customer Ship Notice**

**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:**

**Semantic Notes:** 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

**Comments:**

**Notes:** 3M Example(s): ST\*856\*000006359^

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Required	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 856 Ship Notice/Manifest	M ID 3/3
Required	ST02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set Sender-assigned sequential control number to match control number on SE segment.	M AN 4/9

**3M Customer Ship Notice**

**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.

**Semantic Notes:** 1 BSN03 is the date the shipment transaction set is created.  
 2 BSN04 is the time the shipment transaction set is created.  
 3 BSN06 is limited to shipment related codes.

**Comments:** 1 BSN06 and BSN07 differentiate the functionality of use for the transaction set.

**Notes:** 3M Example(s):  
 BSN\*00\*DKND111222\*19991209\*1310^  
 BSN\*00\*AX13131\*19991209\*1241^

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element Name</b>	
<b>Required</b>	<b>BSN01</b>	<b>353 Transaction Set Purpose Code</b> Code identifying purpose of transaction set 00 Original	<b>M ID 2/2</b>
<b>Required</b>	<b>BSN02</b>	<b>396 Shipment Identification</b> A unique control number assigned by the original shipper to identify a specific shipment Element BSN02 will contain the Bill of Lading number, when available. If no Bill of Lading number is available, element BSN02 will contain the 3M invoice number.	<b>M AN 2/30</b>
<b>Required</b>	<b>BSN03</b>	<b>373 Date</b> Date expressed as CCYYMMDD Creation date of the ASN.	<b>M DT 8/8</b>
<b>Required</b>	<b>BSN04</b>	<b>337 Time</b> 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) Creation time of the ASN in HHMM format.	<b>M TM 4/8</b>

**3M Customer Ship Notice**

**Segment:** **HL Hierarchical Level - SHIPMENT LEVEL**  
**Position:** 010  
**Loop:** HL 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:**

**Semantic 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:** 3M Comments: Level: Shipment

The HL segments define the looping and hierarchical structure of transaction set 856. The HL segment at the shipment level will only occur once and will be the first HL segment in the transaction set.

3M Example(s): HL\*1\*\*S^

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element Name</b>	
<b>Required</b>	<b>HL01</b>	<b>628 Hierarchical ID Number</b>	<b>M AN 1/12</b>
		A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
		1	
<b>Required</b>	<b>HL03</b>	<b>735 Hierarchical Level Code</b>	<b>M ID 1/2</b>
		Code defining the characteristic of a level in a hierarchical structure	
		S Shipment	

**3M Customer Ship Notice**

**Segment:** **TD1** Carrier Details (Quantity and Weight)  
**Position:** 110  
**Loop:** HL Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 20  
**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.

**Semantic Notes:**

**Comments:**

**Notes:** 3M Comments: Level: Shipment

3M Example(s): TD1\*\*25\*\*\*\*\*79\*LB^

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u> <u>Name</u>	
TD102	<b>80</b> <b>Lading Quantity</b>	<b>X N0 1/7</b>
	Number of units (pieces) of the lading commodity	
	Number of pieces (usually cartons) included in this shipment.	
TD107	<b>81</b> <b>Weight</b>	<b>X R 1/10</b>
	Numeric value of weight	
	Total weight of cartons in this shipment.	
TD108	<b>355</b> <b>Unit or Basis for Measurement Code</b>	<b>X ID 2/2</b>
	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:** HL Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 12

**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.

**Semantic Notes:** 1 TD515 is the country where the service is to be performed.

**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:** 3M Comments: Level: Shipment

3M Example(s): TD5\*\*2\*PRES\*LT\*PRESTON TRUCKING COMPANY^

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element Name</u>	
TD502	66 Identification Code Qualifier	X ID 1/2
	Code designating the system/method of code structure used for Identification Code (67)	
	Element TD503 will contain the SCAC code of the carrier for this shipment.	
	2 Standard Carrier Alpha Code (SCAC)	
TD503	67 Identification Code	X AN 2/80
	Code identifying a party or other code	
TD504	91 Transportation Method/Type Code	X ID 1/2
	Code specifying the method or type of transportation for the shipment	
	AE Air Express	
	LT Less Than Trailer Load (LTL)	
	M Motor (Common Carrier)	
	T Best Way (Shippers Option)	
	U Private Parcel Service	
	See ASC X12 code list for additional codes.	
TD505	387 Routing	X AN 1/35
	Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	

**3M Customer Ship Notice**

Carrier Name

**3M Customer Ship Notice**

**Segment:** **REF** Reference Identification

**Position:** 150

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**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.

**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.

**Comments:**

**Notes:** 3M Comments: Level: Shipment

3M Example(s):  
 REF\*BM\*OAND754272^  
 REF\*CN\*516646432^

**Data Element Summary**

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

**3M Customer Ship Notice**

**Segment:** **DTM** Date/Time Reference

**Position:** 200

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 10

**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.

**Semantic Notes:**

**Comments:**

**Notes:** 3M Comments: Level: Shipment

3M Example(s): DTM\*011\*19991209^

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>		<b>Attributes</b>
	<b>Des.</b>	<b>Element</b>	<b>Name</b>	
<b>Required</b>	<b>DTM01</b>	<b>374</b>	<b>Date/Time Qualifier</b>	<b>M ID 3/3</b>
			Code specifying type of date or time, or both date and time	
			011 Shipped	
<b>Required</b>	<b>DTM02</b>	<b>373</b>	<b>Date</b>	<b>X DT 8/8</b>
			Date expressed as CCYYMMDD	

### 3M Customer Ship Notice

**Segment:** **N1** Name  
**Position:** 220  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**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.

**Semantic Notes:**  
**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:** 3M Comments: Level: Shipment  
 3M Example(s):  
 N1\*ST\*XYZ CORPORATION^  
 N1\*ST\*\*92\*0024^  
 N1\*SF\*3M - ONTARIO^

#### Data Element Summary

Ref.	Data	Attributes	
<u>Des.</u>	<u>Element</u> <u>Name</u>		
Required N101	98 Entity Identifier Code	M	ID 2/3
	Code identifying an organizational entity, a physical location, property or an individual		
	SF Ship From		
	ST Ship To		
N102	93 Name	X	AN 1/60
	Free-form name		
N103	66 Identification Code Qualifier	X	ID 1/2
	Code designating the system/method of code structure used for Identification Code (67)		
	If N103/N104 are used for the ship-to code, they are used in lieu of other ship-to name and address information (i.e., element N102 and N3 and N4 segments will not be included). 3M can store and return to the customer a code that the customer has assigned to the ship-to location.		
	1 D-U-N-S Number, Dun & Bradstreet		
	9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
	91 Assigned by Seller or Seller's Agent		
	92 Assigned by Buyer or Buyer's Agent		
N104	67 Identification Code	X	AN 2/80
	Code identifying a party or other code		

### 3M Customer Ship Notice

**Segment:** **N3** Address Information  
**Position:** 240  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

3M Comments: Level: Shipment

Used in ship-to N1 loop only if address information cannot be identified by a code in element N104. Can be used in ship-from N1 loop, if requested.

3M Example(s): N3\*200 N. MAIN STREET^

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
Required	N301	166	Address Information Address information	M AN 1/55

**3M Customer Ship Notice**

**Segment:** **N4 Geographic Location**  
**Position:** 250  
**Loop:** N1 Optional  
**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.  
**Semantic Notes:**  
**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.  
**Notes:** 3M Comments: Level: Shipment  
 Used in ship-to N1 loop only if address information cannot be identified by a code in N104. Can be used in ship-from N1 loop, if requested.  
 3M Example(s): N4\*ST. PAUL\*MN\*551441000^

**Data Element Summary**

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

**Segment:** **HL Hierarchical Level - ORDER LEVEL**  
**Position:** 010  
**Loop:** HL 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:**

**Semantic 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:** 3M Comments: Level: Order

The HL segments define the looping and hierarchical structure of transaction set 856. Order level HL segments are subordinate to the shipment level HL segment. Refer to the "Hierarchical Structures Used" chart.

3M Example(s): HL\*2\*1\*O^

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element Name</b>	
<b>Required</b>	<b>HL01</b>	<b>628 Hierarchical ID Number</b>	<b>M AN 1/12</b>
		A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
<b>Required</b>	<b>HL02</b>	<b>734 Hierarchical Parent ID Number</b>	<b>O AN 1/12</b>
		Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	
		1	
		Element H102 contains the Hierarchical ID Number of the shipment level HL segment. The order level is subordinate to the shipment level.	

**3M Customer Ship Notice**

<b>Required</b>	<b>HL03</b>	<b>735</b>	<b>Hierarchical Level Code</b>	<b>M ID 1/2</b>
			Code defining the characteristic of a level in a hierarchical structure	
			O	Order

**3M Customer Ship Notice**

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

**Syntax Notes:**

**Semantic Notes:** 1 PRF04 is the date assigned by the purchaser to purchase order.

**Comments:**

**Notes:** 3M Comments: Level: Order

3M Example(s):

PRF\*00095^

PRF\*123456\*\*\*19991207^

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>		<b>Attributes</b>
	<b>Des.</b>	<b>Element</b>	<b>Name</b>	
<b>Required</b>	<b>PRF01</b>	<b>324</b>	<b>Purchase Order Number</b>	<b>M AN 1/22</b>
			Identifying number for Purchase Order assigned by the orderer/purchaser	
	<b>PRF04</b>	<b>373</b>	<b>Date</b>	<b>O DT 8/8</b>
			Date expressed as CCYYMMDD	

**3M Customer Ship Notice**

**Segment:** **REF** Reference Identification

**Position:** 150

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**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.

**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.

**Comments:**

**Notes:** 3M Comments: Level: Order

3M Example(s): REF\*IV\*EM00001^

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>		<b>Attributes</b>
	<b>Des.</b>	<b>Element</b>	<b>Name</b>	
<b>Required</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	<b>M ID 2/3</b>
			Code qualifying the Reference Identification	
			IV Seller's Invoice Number	
<b>Required</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b>	<b>X AN 1/30</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

### 3M Customer Ship Notice

**Segment:** **HL Hierarchical Level - TARE LEVEL**  
**Position:** 010  
**Loop:** HL 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:**

**Semantic 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:** 3M Comments: Level: Tare (Shipping Container [e.g. pallet or carton])

The HL segments define the looping and hierarchical structure of transaction set 856. If used, tare level HL segments are subordinate to the order level HL segment. Refer to the "Hierarchical Structures Used" chart. This hierarchical level is only used if 3M is also providing the SSCC-18 serial number and bar coded label.

3M Example(s): HL\*3\*2\*T^

#### Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
Required	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	
Required	HL02	734	Hierarchical Parent ID Number	O AN 1/12
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	
			If tare level HL loops are used, element HL02 contains the Hierarchical ID Number of the order level HL segment to which the tare is subordinate.	

**3M Customer Ship Notice**

<b>Required</b>	<b>HL03</b>	<b>735</b>	<b>Hierarchical Level Code</b>	<b>M ID 1/2</b>
			Code defining the characteristic of a level in a hierarchical structure	
			T Shipping Tare	

### 3M Customer Ship Notice

<b>Segment:</b>	<b>MAN</b> Marks and Numbers
<b>Position:</b>	190
<b>Loop:</b>	HL Mandatory
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	>1
<b>Purpose:</b>	To indicate identifying marks and numbers for shipping containers
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If either MAN04 or MAN05 is present, then the other is required.</li> <li>2 If MAN06 is present, then MAN05 is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.</li> <li>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.</li> <li>3 When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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.</li> <li>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.</li> </ol>
<b>Notes:</b>	<p>3M Comments: Level: Tare (Shipping Container [e.g. pallet or carton])</p> <p>3M Example(s): MAN*GM*00100212004800015035^</p>

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Required	MAN01	88 Marks and Numbers Qualifier	M ID 1/2
		Code specifying the application or source of Marks and Numbers (87)	
		This number matches the UCC/EAN 128 serial number on the label.	
		GM SSCC-18 and Application Identifier	
Required	MAN02	87 Marks and Numbers	M AN 1/48
		Marks and numbers used to identify a shipment or parts of a shipment	

**Segment:** **HL Hierarchical Level - ITEM LEVEL**  
**Position:** 010  
**Loop:** HL 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:**

**Semantic 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:** 3M Comments: Level: Item

The HL segments define the looping and hierarchical structure of transaction set 856. Item level HL segments are subordinate to the order level or the tare level, if used. Refer to the "Hierarchical Structures Used" chart.

3M Example(s): HL\*4\*3\*I^

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Required	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	
Required	HL02	734 Hierarchical Parent ID Number	O AN 1/12
		Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	
		If tare level HL loops are used, element HL02 contains the Hierarchical ID Number of the tare level HL segment to which the item is subordinate. Otherwise, element HL02 contains the Hierarchical ID Number of the	

**3M Customer Ship Notice**

			order level HL segment to which the item is subordinate.	
<b>Required</b>	<b>HL03</b>	<b>735</b>	<b>Hierarchical Level Code</b>	<b>M ID 1/2</b>
			Code defining the characteristic of a level in a hierarchical structure	
			I	Item

**Segment:** **LIN** Item Identification

**Position:** 020

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional

**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.

**Semantic Notes:**

- 1 LIN01 is the line item identification

**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:**

3M Comments: Level: Item

3M prefers the UPC number for product identification. If you wish to see your part number on the 856, it should be included on your EDI purchase order.

3M Example(s): LIN\*001\*UP\*021200002137\*BP\*22345^

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
LIN01	350	Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
		Sequential line number or purchase order line number.	
		3M can return the purchase order line number only if it was included on an EDI purchase order.	
Required	LIN02	235 Product/Service ID Qualifier	M ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		BP Buyer's Part Number	
		IN Buyer's Item Number	

**3M Customer Ship Notice**

SK Stock Keeping Unit (SKU)  
 UI U.P.C. Consumer Package Code (1-5-5)  
 UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)  
 A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit  
 UP U.P.C. Consumer Package Code (1-5-5-1)  
 VN Vendor's (Seller's) Item Number

<b>Required</b>	<b>LIN03</b>	<b>234</b>	<b>Product/Service ID</b>	<b>M AN 1/48</b>
			Identifying number for a product or service	
	<b>LIN04</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			See LIN02 for code list.	
	<b>LIN05</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/48</b>
			Identifying number for a product or service	
	<b>LIN06</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			See LIN02 for code list.	
	<b>LIN07</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/48</b>
			Identifying number for a product or service	

**3M Customer Ship Notice**

**Segment:** **SN1** Item Detail (Shipment)  
**Position:** 030  
**Loop:** HL Mandatory  
**Level:** Detail  
**Usage:** Optional  
**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.  
**Semantic Notes:** 1 SN101 is the ship notice line-item identification.  
**Comments:** 1 SN103 defines the unit of measurement for both SN102 and SN104.  
**Notes:** 3M Comments: Level: Item  
 3M Example(s): SN1\*\*20\*CA^

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Required	SN102	382		<b>Number of Units Shipped</b>	<b>M R 1/10</b>
				Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	
Required	SN103	355		<b>Unit or Basis for Measurement Code</b>	<b>M ID 2/2</b>
				Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
				BX            Box	
				CA            Case	
				CT            Carton	
				EA            Each	
				FT            Foot	
				KT            Kit	
				LB            Pound	
				PK            Package	
				RL            Roll	
				See ASC X12 code list for additional codes.	

**3M Customer Ship Notice**

**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.

**Semantic Notes:**

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

**Notes:** 3M Example(s): CTT\*5^

**Data Element Summary**

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

**3M Customer Ship Notice**

**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:**

**Semantic Notes:**

**Comments:** 1 SE is the last segment of each transaction set.

**Notes:** 3M Example(s): SE\*33\*000006359^

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>		
	<b><u>Des.</u></b>	<b><u>Element</u></b>	<b><u>Name</u></b>	<b><u>Attributes</u></b>
<b>Required</b>	SE01	96	<b>Number of Included Segments</b>	<b>M N0 1/10</b>
			Total number of segments included in a transaction set including ST and SE segments	
<b>Required</b>	SE02	329	<b>Transaction Set Control Number</b>	<b>M AN 4/9</b>
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			This will match the control number on the ST segment for this transaction set.	

## Ship Notice Examples

This section contains two examples to illustrate the use of Transaction Set 856.

### Example 1

This is an example to illustrate the use of the Transaction Set 856 with Shipment/Order/Item hierarchical structure.

<b>SHIP NOTICE</b>		12/9/1999 1:10 PM	
SHIP FROM: 3M – Dekalb 3050 Corporate Dr Dekalb IL 60115-9299		SHIP TO: XYZ Corporation 200 N Main Street St. Paul MN 55144-1000	
Shipment Weight: 35 Pounds		Lading Quantity: 30 Cartons Less than trailer load	
Bill of Lading: DKND111222 SCAC: SEFL (Southeastern Freight Lines) Carrier PRO Number: 234826363		Ship Date: 12/9/1999	
P.O. Number	Invoice Number	Quantity Shipped	UPC Number
00095	AX13131	20 Cases	021200002137
		27 Each	021200010729
		10 Rolls	021200010736

3M Customer Ship Notice

ASC X12 FORMAT  
ST\*856\*000002176^

BSN\*00\*DKND111222\*19991209  
\*1310^

HL\*1\*\*S^

TD1\*\*30\*\*\*\*\*35\*LB^

TD5\*\*2\*SEFL\*LT  
\*SOUTHEASTERN FREIGHT LINES^

REF\*BM\*DKND111222^

REF\*CN\*234826363^

DTM\*011\*19991209^

N1\*SF\*3M – DEKALB^

N3\*3050 CORPORATE DR^

N4\*DEKALB\*IL\*601159299^

N1\*ST\*XYZ CORPORATION^

N3\*200 N MAIN STREET^

N4\*ST. PAUL\*MN  
\*551441000^

HL\*2\*1\*O^

PRF\*00095^

REF\*IV\*AX13131^

HL\*3\*2\*I^

LIN\*\*UP\*021200002137^

INTERPRETATION

ASC X12 Transaction Set: 856  
Transaction Set Control Number: 000002176

Original Ship Notice Shipment ID:  
DKND111222  
Ship Notice Creation Date: 12/09/1999  
Ship Notice Creation Time: 1:10 PM

Shipment Level Information

Number of Cartons: 30  
Gross Weight: 35 pounds

Carrier SCAC: SEFL  
Transportation Method Mode:  
LT=less than trailer load  
Carrier Name: Southeastern Freight Lines

Bill of Lading Number: DKND111222

Carrier's Reference Number  
(Carrier's PRO/Invoice):  
234826363

Date Shipped: 12/09/1999

Ship From: 3M – Dekalb

3050 Corporate Drive

Dekalb, IL 60115-9299

Ship To: XYZ Corporation

200 N. Main Street

St. Paul, MN 551441000

Order Level Information

Purchase Order Number: 00095

Invoice Number: AX13131

Item Level Information

UPC Consumer Package Code: 021200002137

**3M Customer Ship Notice**

**SN1\*\*20\*CA^**

Quantity: 20  
Unit of Measurement: CA=case

**HL\*4\*2\*I^**

Item Level Information

**LIN\*\*UP\*021200010729^**

UPC Consumer Package Code:  
021200010729

**SN1\*\*27\*EA^**

Quantity: 27  
Unit of Measurement: EA=each

**HL\*5\*2\*I^**

Item Level Information

**LIN\*\*UP\*021200010736^**

UPC Consumer Package Code:  
021200010736

**SN1\*\*10\*RL^**

Quantity: 10  
Unit of Measurement: RL=roll

**CTT\*5^**

Number of HL Loops: 5

**SE\*28\*000002176^**

Number of Segments: 28  
Transaction Set Control Number: 000002176

**NOTE: Sample ship notice contains fictitious data.**

**3M Customer Ship Notice**

**Example 2**

This is an example to illustrate the use of the Transaction Set 856 with Shipment/Order/Tare/Item hierarchical structure.

<b>SHIP NOTICE</b>		12/9/1999 12:41 PM		
SHIP FROM: 3M – Ontario 5151 Philadelphia Ontario CA 91761-2814		SHIP TO: ABC Company #0024 72 East Front Street St. Paul MN 55144-1000		
Shipment Weight: 79 Pounds		Lading Quantity: 25 cartons Less than trailer load		
Bill of Lading: OAND754272 SCAC: PRES (Preston Trucking Company) Carrier PRO Number: 516646432		Ship Date: 12/9/1999		
P.O. Number	Invoice Number	UCC/EAN Number	Quantity Shipped	Part Numbers
123456	EM00001	00100212004800015035	15 Cases	021200002137 22345
123699	EM00025	00100212004654892603	27 Each	021200010729 10795
			10 Rolls	021200010736 43666

3M Customer Ship Notice

ASC X12 FORMAT  
ST\*856\*000006359^

BSN\*00\*OAND754272\*19991209  
\*1241^

HL\*1\*\*S^

TD1\*\*25\*\*\*\*\*79\*LB^

TD5\*\*2\*PRES\*LT\*PRESTON  
TRUCKING COMPANY^

REF\*BM\*OAND754272^

REF\*CN\*516646432^

DTM\*011\*19991209^

N1\*SF\*3M – ONTARIO^

N3\*5151 PHILADELPHIA^

N4\*ONTARIO\*CA\*917612814^

N1\*ST\*\*92\*0024^

HL\*2\*1\*O^

PRF\*123456\*\*\*19991207^

REF\*IV\*EM00001^

HL\*3\*2\*T^

MAN\*GM  
\*00100212004800015035^

HL\*4\*3\*I^

INTERPRETATION

ASC X12 Transaction Set: 856  
Transaction Set Control Number:  
000006359

Original Ship Notice  
Shipment ID: OAND754272  
Ship Notice Creation Date: 12/09/1999  
Ship Notice Creation Time: 12:41 PM

Shipment Level Information

Lading Quantity (Pieces): 25  
Gross Weight: 79 pounds

Carrier SCAC: PRES  
Transportation Method Mode:  
LT=less than trailer load  
Carrier Name: Preston Trucking Company

Bill of Lading Number: OAND754272

Carrier's Reference Number  
(Carrier's PRO/Invoice): 516646432

Date Shipped: 12/09/1999

Ship From: 3M - Ontario

5151 Philadelphia

Ontario, CA 91761-2814

Ship To: ABC Company  
Buyer-Assigned Location Number: 0024  
72 East Front Street  
St. Paul, MN 55144-1000

Order Level Information

Purchase Order Number: 123456  
Purchase Order Date: 12/07/1999

Invoice Number: EM00001

Tare (Shipping Container [e.g., pallet or  
carton]) Level Information

UCC/EAN 128 Number:  
00100212004800015035

Item Level Information

**3M Customer Ship Notice**

**LIN\*001\*UP\*021200002137\*BP  
\*22345^**

Ship Notice Line Number: 001  
UPC Consumer Package Code:  
021200002137  
Buyer's Part Number: 22345

**SN1\*\*15\*CA^**

Quantity: 15  
Unit of Measure: CA=case

**HL\*5\*1\*O^**

Order Level Information

**PRF\*123699\*\*\*19991208^**

Purchase Order Number: 123699  
Purchase Order Date: 12/08/1999

**REF\*IV\*EM00025^**

Invoice Number: EM00025

**HL\*6\*5\*T^**

Tare (Shipping Container [e.g., pallet or  
carton]) Level Information

**MAN\*GM  
\*00100212004654892603^**

UCC/EAN 128 Number:  
00100212004654892603

**HL\*7\*6\*I**

Item Level Information

**LIN\*002\*UP\*021200010729\*BP  
\*10795^**

Ship Notice Line Number: 002  
UPC Consumer Package Code:  
021200010729  
Buyer's Part Number: 10795

**SN1\*\*27\*EA^**

Quantity: 27  
Unit of Measure: EA=each

**HL\*8\*6\*I^**

Item Level Information

**LIN\*003\*UP\*021200010736\*BP  
\*43666^**

Ship Notice Line Number: 003  
UPC Consumer Package Code:  
021200010736  
Buyer's Part Number: 43666

**SN1\*\*10\*RL^**

Quantity: 10  
Unit of Measurement: RL=roll

**CTT\*8^**

Number of HL Loops: 8

**SE\*33\*000006359^**

Number of Segments: 33  
Transaction Set Control Number: 000006359

**NOTE: Sample ship notice contains fictitious data.**