#### Introduction

This guideline provides a description and technical lay-out 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

#### **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:**

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

#### **Detail:**

	Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			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		

## **Summary:**

	Pos.	Seg.		Req.	Req.		
	No.	<u>ID</u>	<u>Name</u>	Des.	Max.Use	Repeat	<b>Comments</b>
	010	CTT	Transaction Totals	0	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

# HIERARCHICAL STRUCTURES USED SHIPMENT/ORDER/ITEM

# **Heading:**

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

#### **Detail:**

Solution   Solution	Page <u>No.</u>	Pos. <u>No.</u>	Seg. <u>ID</u>	Name LOOP ID - HL	Req. Des.	Max.Use	Loop Repeat 200000	Notes and Comments
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 - NI         200           11         220         N1         Name         O         1           12         240         N3         Address Information         O         2           13         250         N4         Geographic Location         O         1           LOOP ID - HL         2000000           14         010         HL         Hierarchical Level - ORDER LEVEL         M         1         c2           16         050         PRF         Purchase Order Reference         O         1         1           17         150         REF         Reference Identification         O         >1         200000           21         010         HL         Hierarchical Level - ITEM LEVEL         M         1         c3	5	010	111		М	1	200000	a1
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           11         220         N1         Name         O         1         1           12         240         N3         Address Information         O         2           13         250         N4         Geographic Location         O         1           LOOP ID - HL         2000000         T           14         010         HL         Hierarchical Level - ORDER LEVEL         M         M         1         c2           16         050         PRF         Purchase Order Reference         O         1         1           17         150         REF         Reference Identification         O         >1         2000000           21         010         HL         Hierarchical Level - ITEM LEVEL         M         1         c3           23         020         LIN         Item Identification         O         1						_		CI
Time)  9	6	110	TD1	Carrier Details (Quantity and Weight)	O	20		
10	7	120	TD5		О	12		
LOOP ID - N1   200   1   1   220   N1   Name   O	9	150	REF	Reference Identification	O	>1		
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       2000000         21       010       HL       Hierarchical Level - ITEM LEVEL       M       1       c3         23       020       LIN       Item Identification       O       1	10	200	DTM	Date/Time Reference	O	10		
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				LOOP ID - N1			200	
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       2000000         21       010       HL       Hierarchical Level - ITEM LEVEL       M       1       c3         23       020       LIN       Item Identification       O       1	11	220	N1	Name	O	1		
LOOP ID - HL   200000	12	240	N3	Address Information	O	2		
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	13	250	N4	Geographic Location	O	1		
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				LOOP ID - HL			200000	
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	14	010	HL	Hierarchical Level - ORDER LEVEL	M	1		c2
LOOP ID - HL         200000           21         010         HL         Hierarchical Level - ITEM LEVEL         M         1         c3           23         020         LIN         Item Identification         O         1	16	050	PRF	Purchase Order Reference	O	1		
21 010 HL Hierarchical Level - ITEM LEVEL M 1 c3 23 020 LIN Item Identification O 1	17	150	REF	Reference Identification	O	>1		
23 020 LIN Item Identification O 1				LOOP ID - HL			200000	
	21	010	HL	Hierarchical Level - ITEM LEVEL	M	1		c3
25 030 SN1 Item Detail (Shipment) O 1	23	020	LIN	Item Identification	O	1		
	25	030	SN1	Item Detail (Shipment)	O	1		

## **Summary:**

Page	Pos.	Seg.		Req.		Loop	Notes and
No.	No.	<u>ID</u>	<u>Name</u>	Des.	Max.Use	Repeat	<b>Comments</b>
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:**

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

#### **Detail:**

8	Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u> LOOP ID - HL	Req. Des.	Max.Use	Loop Repeat 200000	Notes and Comments
5	010	HL	Hierarchical Level - SHIPMENT LEVEL	M	1	200000	c1
	110	TD1	Carrier Details (Quantity and Weight)	0	20		
7	120	TD5	Carrier Details (Routing Sequence/Transit Time)	0	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		

# **Summary:**

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

Segment: ST Transaction Set Header

**Position:** 010

Loop:

Level: Heading Usage: Mandatory

Max Use: 1

Purpose: To i

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**

Required	Ref. <u>Des.</u> ST01	Data <u>Element</u> 143	Name Transaction Set Identifier Code			ributes ID 3/3
			Code uniquely	identifying a Transaction Set		
			856	Ship Notice/Manifest		
Required	ST02	329	Transaction S	Set Control Number	$\mathbf{M}$	AN 4/9

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.

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**

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

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**

	Ref.	Data						
	Des.	<b>Element</b>	<u>Name</u>	<b>Attributes</b>				
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					
			1					
Required	HL03	735	<b>Hierarchical Level Code</b> Code defining the characteristic of a level in a hierarchical s	M ID 1/2 structure				

S

Shipment

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.

If either TD107 or TD108 is present, then the other is required.
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^

Ref.	Data			
Des.	<b>Element</b>	<u>Name</u>	Att	<u>ributes</u>
<b>TD102</b>	80	<b>Lading Quantity</b>	X	N0 1/7
		Number of units (pieces) of the lading commodity		
		Number of pieces (usually cartons) included in this shipmen	t.	
TD107	81	Weight	X	R 1/10
		Numeric value of weight		
		Total weight of cartons in this shipment.		
TD108	355	Unit or Basis for Measurement Code	X	ID 2/2
		Code specifying the units in which a value is being expresse in which a measurement has been taken	d, or	manner
		LB Pound		

Ref.

Data

TD5 Carrier Details (Routing Sequence/Transit Time) **Segment: Position:** 120 HL Loop: Mandatory Level: Detail Usage: Optional Max Use: 12 **Purpose:** To specify the carrier and sequence of routing and provide transit time information **Syntax Notes:** 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. If TD513 is present, then TD512 is required. If TD514 is present, then TD513 is required. If TD515 is present, then TD512 is required. **Semantic Notes:** 1 TD515 is the country where the service is to be performed. **Comments:** 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**

IXCI.	Data				
Des.	<b>Element</b>	<u>Name</u>		Att	<u>ributes</u>
<b>TD502</b>	66	<b>Identification Co</b>	de Qualifier	X	ID 1/2
		Code designating t Identification Code	the system/method of code structure used to (67)	for	
		Element TD503 w. shipment.	ill contain the SCAC code of the carrier f	or thi	S
		2	Standard Carrier Alpha Code (SCAC)		
TD503	67	<b>Identification Co</b>	de	X	AN 2/80
		Code identifying a	party or other code		
<b>TD504</b>	91	Transportation M	Aethod/Type Code	X	ID 1/2
		Code specifying th	e method or type of transportation for the	ship	ment
		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 of	odes	
			See ASC A12 code list for additional c	oucs	•

Free-form description of the routing or requested routing for shipment, or

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the originating carrier's identity

Carrier Name

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.

If either C04003 or C04004 is present, then the other is required.
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**

	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>		Att	<u>ributes</u>
Required	REF01	128	Reference Identif	fication Qualifier	$\mathbf{M}$	ID 2/3
			Code qualifying th	ne Reference Identification		
			BM	Bill of Lading Number		
			CN	Carrier's Reference Number (PRO/Invo	oice)	
Required	REF02	127	Reference Identif	fication	X	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

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**

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

Date expressed as CCYYMMDD

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.

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**

			Data El	ement Summary			
	Ref. Des.	Data <u>Element</u>	<u>Name</u>		Att	<u>ributes</u>	
Required	N101	98	Entity Identifie	er Code	$\overline{\mathbf{M}}$	ID 2/3	
			Code identifying an individual	g an organizational entity, a physical location	on, pro	operty or	
			SF	Ship From			
			ST	Ship To			
	N102	93	Name		$\mathbf{X}$	AN 1/60	
			Free-form name				
	N103	66	<b>Identification Code Qualifier</b>			ID 1/2	
			•	Code designating the system/method of code structure used for dentification Code (67)			
			ship-to name an segments will no	re used for the ship-to code, they are used id address information (i.e., element N102 and the included). 3M can store and return to sustomer has assigned to the ship-to location	and National	3 and N4	
			1	D-U-N-S Number, Dun & Bradstreet			
			9	D-U-N-S+4, D-U-N-S Number with F Suffix	our C	haracter	
			91	Assigned by Seller or Seller's Agent			
	N104	67	<b>Identification (</b>	Code	X	AN 2/80	

Code identifying a party or other code

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** 

Ref. Data

Des.ElementNameAttributesRequiredN301166Address InformationM AN 1/55

Address information

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^

Ref.	Data			
Des.	<b>Element</b>	<u>Name</u>	Att	<u>ributes</u>
N401 19		City Name	O	AN 2/30
		Free-form text for city name		
N402	156	State or Province Code	0	ID 2/2
		Code (Standard State/Province) as defined by appropriate goagency	overn	ment
N403	116	Postal Code	0	ID 3/15
		Code defining international postal zone code excluding pund blanks (zip code for United States)	ctuati	on and

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^

Required	Ref. <u>Des.</u> HL01	Data Element 628	Name Hierarchical ID Number	M	ributes AN 1/12
			A unique number assigned by the sender to identify a particus segment in a hierarchical structure	ılar d	ata
Required	HL02	734	Hierarchical Parent ID Number	0	AN 1/12
			Identification number of the next higher hierarchical data seg data segment being described is subordinate to	gmen	t that the
			1		
			Element Hl02 contains the Hierarchical ID Number of the sl HL segment. The order level is subordinate to the shipment	-	

Required HL03 735 Hierarchical Level Code M ID 1/2

Code defining the characteristic of a level in a hierarchical structure

O Order

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^

	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>	Att	<u>ributes</u>
Required	PRF01	324	Purchase Order Number	M	AN 1/22
			Identifying number for Purchase Order assigned by the order	rer/pu	ırchaser
	PRF04	373	Date	0	<b>DT 8/8</b>
			Date expressed as CCYYMMDD		

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**

	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>		Att	<u>ributes</u>
Required	REF01	128	Reference 1	Reference Identification Qualifier		ID 2/3
			Code qualify	ying the Reference Identification		
			IV	Seller's Invoice Number		
Required	REF02	127	Reference I	<b>Identification</b>	X	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

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^

	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>	Att	<u>ributes</u>
Required	HL01	628	Hierarchical ID Number	M	AN 1/12
			A unique number assigned by the sender to identify a particus segment in a hierarchical structure	ılar d	ata
Required	HL02	734	Hierarchical Parent ID Number	0	AN 1/12
			Identification number of the next higher hierarchical data seg data segment being described is subordinate to	gmen	t that the
			If tare level HL loops are used, element HL02 contains the F Number of the order level HL segment to which the tare is s		

Required HL03 735 Hierarchical Level Code M ID 1/2

Code defining the characteristic of a level in a hierarchical structure

Γ Shipping Tare

**Comments:** 

Segment: MAN Marks and Numbers

**Position:** 190

**Loop:** HL Mandatory

Level: Detail
Usage: Optional
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.

Semantic Notes: 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.

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.

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

3M Example(s): MAN\*GM\*00100212004800015035^

#### **Data Element Summary**

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

HL Hierarchical Level - ITEM LEVEL **Segment:** 

**Position:** 010

> Loop: HL Mandatory

Level: Detail Usage: Mandatory

Max Use:

**Purpose:** To identify dependencies among and the content of hierarchically related groups of

data segments

**Syntax Notes: Semantic Notes:** 

Comments:

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.
- 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.

3M Comments: Level: Item **Notes:** 

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^

Ref.	Data			
Des.	<b>Element</b>	<u>Name</u>	Att	<u>ributes</u>
HL01	628	Hierarchical ID Number	M	AN 1/12
		A unique number assigned by the sender to identify a particular segment in a hierarchical structure	ular d	lata
HL02	734	Hierarchical Parent ID Number	O	AN 1/12
		Identification number of the next higher hierarchical data segment data segment being described is subordinate to		t that the
		Number of the tare level HL segment to which the item is su	ıbord	inate.
	Des. HL01	Des. Element HL01 628	Des. HL01  628  Hierarchical ID Number  A unique number assigned by the sender to identify a particular segment in a hierarchical structure  HL02  734  Hierarchical Parent ID Number  Identification number of the next higher hierarchical data segment being described is subordinate to  If tare level HL loops are used, element HL02 contains the long that the loops are used to which the item is subordinate.	Des. HL01       Element 628       Name Hierarchical ID Number       Attraction of Management in a hierarchical structure         HL02       734       Hierarchical Parent ID Number of the next higher hierarchical data segment

HL03

735

Required

order level HL segment to which the item is subordinate.

Hierarchical Level Code M ID 1/2

Code defining the characteristic of a level in a hierarchical structure

I Item

LIN Item Identification **Segment:** 

020 **Position:** 

> Loop: HL Mandatory

Level: Detail Optional Usage:

Max Use:

**Purpose:** To specify basic item identification data

**Syntax Notes:** 

- 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.
- If either LIN12 or LIN13 is present, then the other is required.
- If either LIN14 or LIN15 is present, then the other is required.
- If either LIN16 or LIN17 is present, then the other is required.
- If either LIN18 or LIN19 is present, then the other is required.
- 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:**

Required

**Comments:** 

LIN01 is the line item identification

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.

**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		
Des.	<b>Element</b>	<u>Name</u>	<b>Attributes</b>
LIN01	350	Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within set	a transaction
		Sequential line number or purchase order line number.	
		3M can return the purchase order line number only if it was an EDI purchase order.	included on
LIN02	235	Product/Service ID Qualifier	M ID 2/2
			4 %

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

			SK	Stock Keeping Unit (SKU)		
			UI	U.P.C. Consumer Package Code (1-5-5)		
			UK	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		
			UP	are the item code, and the final digit is the check digit U.P.C. Consumer Package Code (1-5-5-1)		
				•	-1)	
			VN	Vendor's (Seller's) Item Number		
Required	LIN03	234	Product/Servi		M	AN 1/48
			Identifying nun	nber for a product or service		
	LIN04	235	Product/Servi	ce ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number us Product/Service ID (234)			n
			See LIN02 for	code list.		
	LIN05	234	Product/Servi	ce ID	X	AN 1/48
			Identifying nun	nber for a product or service		
	LIN06	235	Product/Servi	ce ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			n
			See LIN02 for	code list.		
	LIN07	234	Product/Servi	ce ID	X	AN 1/48
			Identifying nun	nber for a product or service		

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**

			Data E	cincin Summar y	
Required	Ref. <u>Des.</u> SN102	Data Element 382	<u>Name</u> Number of Un	its Shipped	Attributes M R 1/10
			Numeric value item or transact	of units shipped in manufacturer's sion set	shipping units for a line
Required	SN103	355	Unit or Basis f	for Measurement Code	M ID 2/2
				g the units in which a value is being surement has been taken	g expressed, or manner
			BX	Box	
			CA	Case	

CA Case
CT Carton
EA Each
FT Foot
KT Kit
LB Pound
PK Package
RL Roll

See ASC X12 code list for additional codes.

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^

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

Segment:  $\mathbf{SE}$  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		
	Ref.	Data	A.7	<b>A</b> 44	
	Des.	<u>Element</u>	<u>Name</u>	Atti	<u>ributes</u>
Required	SE01	96	<b>Number of Included Segments</b>	M	N0 1/10
			Total number of segments included in a transaction set inclu SE segments	ding	ST and
Required	SE02	329	<b>Transaction Set Control Number</b>	M	AN 4/9
	Identifying control number that must be unique within the transaction set			ction set	
			This will match the control number on the ST segment for the	is tra	nsaction
			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.

SHIP NOTICE

12/9/1999 1:10 PM

SHIP FROM: SHIP TO:

3M – Dekalb XYZ Corporation 3050 Corporate Dr 200 N Main Street

Dekalb IL 60115-9299 St. Paul MN 55144-1000

Shipment Weight: 35 Pounds Lading Quantity: 30 Cartons

Less than trailer load

Bill of Lading DKND111222 Ship Date: 12/9/1999

SCAC: SEFL (Southeastern Freight Lines)

Carrier PRO Number: 234826363

P.O. Number	Invoice Number	Quantity Shipped	UPC Number
00095	AX13131	20 Cases	021200002137
		27 Each	021200010729
		10 Rolls	021200010736

ASC X12 FORMAT INTERPRETATION

ST\*856\*000002176^ ASC X12 Transaction Set: 856

Transaction Set Control Number: 000002176

BSN\*00\*DKND111222\*19991209

\*1310^

Original Ship Notice Shipment ID:

DKND111222

Ship Notice Creation Date: 12/09/1999 Ship Notice Creation Time: 1:10 PM

HL\*1\*\*S^ Shipment Level Information

**TD1\*\*30\*\*\*\*35\*LB**^ Number of Cartons: 30

Gross Weight: 35 pounds

TD5\*\*2\*SEFL\*LT Carrier SCAC: SEFL

\*SOUTHEASTERN FREIGHT LINES^ Transportation Method Mode: LT=less than trailer load

Carrier Name: Southeastern Freight Lines

REF\*BM\*DKND111222^ Bill of Lading Number: DKND111222

**REF\*CN\*234826363**^ Carrier's Reference Number

(Carrier's PRO/Invoice):

234826363

**DTM\*011\*19991209**^ Date Shipped: 12/09/1999

N1\*SF\*3M – DEKALB^ Ship From: 3M – Dekalb

N3\*3050 CORPORATE DR^ 3050 Corporate Drive

**N4\*DEKALB\*IL\*601159299**^ Dekalb, IL 60115-9299

N1\*ST\*XYZ CORPORATION^ Ship To: XYZ Corporation

N3\*200 N MAIN STREET^ 200 N. Main Street

**N4\*ST. PAUL\*MN** St. Paul, MN 551441000 **\*551441000** 

HL\*2\*1\*O^ Order Level Information

PRF\*00095^ Purchase Order Number: 00095

REF\*IV\*AX13131^ Invoice Number: AX13131

HL\*3\*2\*I^ Item Level Information

LIN\*\*UP\*021200002137^ UPC Consumer Package Code: 021200002137

**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\*1^ 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.

## Example 2

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

**SHIP NOTICE** 12/9/1999 12:41 PM

SHIP FROM: SHIP TO:

3M – OntarioABC Company #00245151 Philadelphia72 East Front StreetOntario CA 91761-2814St. Paul MN 55144-1000

Shipment Weight: 79 Pounds Lading Quantity: 25 cartons

Less than trailer load

Bill of Lading: OAND754272 Ship Date: 12/9/1999

SCAC: PRES (Preston Trucking Company)

Carrier PRO Number: 516646432

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

ASC X12 FORMAT

ST\*856\*000006359^ ASC X12 Transaction Set: 856

Transaction Set Control Number:

000006359

BSN\*00\*OAND754272\*19991209

\*1241^

Original Ship Notice

INTERPRETATION

Shipment ID: OAND754272

Ship Notice Creation Date: 12/09/1999 Ship Notice Creation Time: 12:41 PM

HL\*1\*\*S^ Shipment Level Information

**TD1\*\*25\*\*\*\*\*79\*LB**^ Lading Quantity (Pieces): 25

Gross Weight: 79 pounds

TD5\*\*2\*PRES\*LT\*PRESTON Carrier SCAC: PRES

TRUCKING COMPANY^ Transportation Method Mode:

LT=less than trailer load

Carrier Name: Preston Trucking Company

**REF\*BM\*OAND754272**^ Bill of Lading Number: OAND754272

REF\*CN\*516646432^ Carrier's Reference Number

(Carrier's PRO/Invoice): 516646432

**DTM\*011\*19991209**^ Date Shipped: 12/09/1999

N1\*SF\*3M - ONTARIO^ Ship From: 3M - Ontario

N3\*5151 PHILADELPHIA<sup>^</sup> 5151 Philadelphia

**N4\*ONTARIO\*CA\*917612814**^ Ontario, CA 91761-2814

N1\*ST\*\*92\*0024^ Ship To: ABC Company

Buyer-Assigned Location Number: 0024

72 East Front Street St. Paul, MN 55144-1000

HL\*2\*1\*O^ Order Level Information

**PRF\*123456\*\*\*19991207**^ Purchase Order Number: 123456

Purchase Order Date: 12/07/1999

REF\*IV\*EM00001^ Invoice Number: EM00001

HL\*3\*2\*T^ Tare (Shipping Container [e.g., pallet or

carton]) Level Information

MAN\*GM

\*00100212004800015035^

UCC/EAN 128 Number: 00100212004800015035

HL\*4\*3\*1^ Item Level Information

LIN\*001\*UP\*021200002137\*BP Ship Notice Line Number: 001 \*22345^

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 UCC/EAN 128 Number: \*00100212004654892603^

00100212004654892603

HL\*7\*6\*1 Item Level Information

LIN\*002\*UP\*021200010729\*BP Ship Notice Line Number: 002

\*10795^ 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 Ship Notice Line Number: 003 \*43666^

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.