856 Ship Notice/Manifest (Version 4010)
Mervyns Corporation
Revised: February 2006

Functional Group ID=SH

Introduction:

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

Notes:

An 856 transmission is to be sent within 60 minutes of the trailer closing at your shipping dock or at the time shipment is released to the carrier.

Mervyns Corporation requires a separate transaction set for each ship to DC location found in the N104 segment of the EDI 850 document. (A transaction set starts with a ST segment and ends with a SE segment).

Heading:

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

Detail:

User Attribute	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - HLS			200000	
M	010	HL	Hierarchical Level - Shipment	M	1		c1
Must Use	120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Must Use	150	REF	Reference Identification	O	>1		
			LOOP ID - N1			200	
Must Use	220	N1	Name	O	1		
			LOOP ID - HLO			200000	
M	010	HL	Hierarchical Level - Order	M	1		
Must Use	050	PRF	Purchase Order Reference	O	1		
Must Use	070	PID	Product/Item Description	O	1		
Must Use	110	TD1	Carrier Details (Quantity and Weight)	O	20		
			LOOP ID - N1			200	
Must Use	220	N1	Name	O	1		
			LOOP ID - HLT			200000	

	010	HL	Hierarchical Level - Tare	C	1		
	190	MAN	Marks and Numbers	O	>1		
			LOOP ID - HLP			200000	
M	010	HL	Hierarchical Level - Pack	M	1		
	060	PO4	Item Physical Details	O	1		
Must Use	190	MAN	Marks and Numbers	O	>1		
			LOOP ID - HLI			200000	
M	010	HL	Hierarchical Level - Item	M	1		
Must Use	020	LIN	Item Identification	O	1		
Must Use	030	SN1	Item Detail (Shipment)	O	1		
	060	PO4	Item Physical Details	O	1		

Summary:

User Attribute	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	CTT	Transaction Totals	M	1		n1
M	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.

Segment:		**ST** Transaction Set Header		
Position:		010		
Loop:				
Level:		Heading		
Usage:		Must Use		
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:				

Warning: Segment includes critical data elements. Please ensure accuracy to avoid document suspension and/or loss of data.

****
Sample ST Segment
_____
ST*856*0001

Mervyns Corporation requires a separate transaction set for each ship to location. (A transaction set starts with a ST segment and ends with a SE segment).
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Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	**ST01**	**143**	**Transaction Set Identifier Code**	**M**	**ID 3/3**
			Code uniquely identifying a Transaction Set		
			856 Ship Notice/Manifest		
M	**ST02**	**329**	**Transaction Set Control Number**	**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		

Segment:	**BSN** Beginning Segment for Ship Notice			
Position:	020			
Loop:				
Level:	Heading			
Usage:	Must Use			
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:	*Warning: Segment includes critical data elements. Please ensure accuracy to avoid document suspension and/or loss of data.*			

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Sample BSN Segment

_____

BSN*00*234567*20060201*0142*0001 (Pick Pack Format)
BSN*00*345678*20060205*1234*0002 (Standard Pack Format)
****

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	BSN01	353	**Transaction Set Purpose Code**	**M ID 2/2**
			Code identifying purpose of transaction set	
			00 Original	
			07 Duplicate	
M	BSN02	396	**Shipment Identification**	**M AN 2/30**
			A unique control number assigned by the original shipper to identify a specific shipment	
			Note that EDI Standards state that this should be a unique number. Mervyns Corporation applications have been written based on that. This number will be used to differentiate multiple 856s received from a supplier. This number should be different than the Purchase Order or Bill of Lading Number.	
M	BSN03	373	**Date**	**M DT 8/8**
			Date expressed as CCYYMMDD	
M	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)	
M	BSN05	1005	**Hierarchical Structure Code**	**M ID 4/4**
			Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set	
			0001 Shipment, Order, Packaging, Item	
			Pick & Pack Format	
			0002 Shipment, Order, Item, Packaging	
			Standard Pack Format	

Segment:	**HL** Hierarchical Level - Shipment		
Position:	010		
Loop:	HLS	Optional	
Level:	Detail		
Usage:	Must Use		
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:	*Warning: Segment includes critical data elements. Please ensure accuracy to avoid document suspension and/or loss of data.*		

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Sample HL (Shipment Level) Segment
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HL*1**S
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Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	**HL01**	**628**	**Hierarchical ID Number**	**M**	**AN 1/12**
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure		
	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		
			Not used by Mervyns Corporation		
M	**HL03**	**735**	**Hierarchical Level Code**	**M**	**ID 1/2**
			Code defining the characteristic of a level in a hierarchical structure		
			S Shipment		

			Segment:	**TD5** Carrier Details (Routing Sequence/Transit Time)

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)
Position: 120
Loop: HLS   Optional
Level: Detail
Usage: Must Use
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:

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In SDQ Format this is used only for VCD orders.

Sample TD5 Segment
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TD5*B*2*HJBT*M*J.B. Hunt
****

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	TD501	133	**Routing Sequence Code**	M	ID 1/2
			Code describing the relationship of a carrier to a specific shipment movement		
			B Origin/Delivery Carrier (Any Mode)		
	TD502	66	**Identification Code Qualifier**	M	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
	TD503	67	**Identification Code**	M	AN 2/80
			Code identifying a party or other code		
M	TD504	91	**Transportation Method/Type Code**	M	ID 1/2
			Code specifying the method or type of transportation for the shipment		
M	TD505	387	**Routing**	O	AN 1/35
			Free-form description of the routing or requested routing for shipment, or the originating carrier's identity		

Segment:	# REF Reference Identification
Position:	150
Loop:	HLS Optional
Level:	Detail
Usage:	Must Use
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:	

Warning: Segment includes critical data elements. Please ensure accuracy to avoid document suspension and/or loss of data.

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This segment is critical for matching the Carrier's EDI 214 Carrier Status Message with your EDI 856 Ship Notice Message.

Mervyns Corporation requires:
A UNIQUE Bill of Lading (BOL) number for each shipment. Use the VICS (Voluntary Inter-Industry Commerce Standard) standard Bill of Lading document. Mervyns strongly recommends the use of the VICS standard 17-digit Bill of Lading number format.

1) When routing via Truckload (TL) or Less than Truckload (LTL) carrier, one unique BOL # is required per Mervyns ship to location. If constraints require BOL per Purchase Order, then a Master BOL must be used to summarize the underlying bills of lading. When a Master BOL # is used, be sure to transmit this number on the 856. The Master BOL # must be passed to the carrier as the Shipment BOL # for the corresponding Carrier EDI transmission.

2) When routing to a Mervyns Corporation consolidator, a Master BOL # must be used and sent on all 856's created per Purchase Order ship to location. The Master BOL # must reflect the actual BOL # given to the carrier on the VICS BOL. Do not transmit the individual (underlying) Bill of Lading numbers on the 856.

3) For Motor-LTL/TL, two REF segments can be sent with the required B/L number and in the second optional REF segment with a CN qualifier, the Carrier's Pro #.

Sample REF Segment
_____
REF*BM*06141411234567890 (UCC 17-digit Bill of Lading number)

   (Does your shipment require a Master Bill of Lading #
     **read above notes for proper Bill of Lading usage).

REF*CN*123456789 (Truckload/LTL = Pro # - Parcel Package = Carrier Tracking #)
****

User Attribute	Ref. Des.	Data Element	Name		Attributes
M	REF01	128	**Reference Identification Qualifier**		M ID 2/2

Code qualifying the Reference Identification

The mode of transportation determines both the transportation method type code (TD504) and the REF segment qualifier (REF01).

_____

TRANSPORTATION

_____

Element:	*TD504*	*REF01*	*REF02*
Air	*A*	*CN*	*Carrier Ref.# (Carrier Tracking Number)*
Consolidation	*C*	*MB*	*Master Bill of Lading#*
		BM	*Underlying (When used with MB)*
TL or LTL	*M*	*BM*	*Bill of Lading #*
(Optional)		*CN*	*Carrier Pro #*
Private Parcel	*U*	*CN*	*Carrier Ref.# (Carrier Tracking Number)*

			BM	Bill of Lading Number	

Required when shipping via motor carrier or Consolidation (TD504 equals "C" or "M").

CN   Carrier's Reference Number (PRO/Invoice)

Required when shipping parcel package shipments.

MB   Master Bill of Lading

Please note: if the Master Bill of Lading (MB) and Bill of Lading (BM) are both sent, Mervyns Corporation will only use the Master Bill of Lading (MB) number.

User Attribute	Ref. Des.	Data Element	Name		Attributes
M	REF02	127	**Reference Identification**		M AN 1/30

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

A unique Bill of Lading (BOL) number for each shipment is required. When the mode of transportation is for Consolidation, a unique Master BOL # is required for all ship to locations on that shipment.

Segment: # N1 Name

Position:	220
Loop:	N1 Must Use
Level:	Detail
Usage:	Must Use
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: *Warning: Segment includes critical data elements. Please ensure accuracy to avoid document suspension and/or loss of data.*

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At least one N1 segment, containing an N101 of ST, is required.

Sample N1 Segment
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N1*ST**92*00997
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Data Element Summary

User Attribute	Ref. Des.	Data Element	Name		Attributes
M	N101	98	Entity Identifier Code	M	ID 2/2

Code identifying an organizational entity, a physical location, property or an individual

     ST   Ship To

REQUIRED

	N102	93	Name	O	AN 1/35

Free-form name

NOT USED BY MERVYNS CORPORATION

M	N103	66	Identification Code Qualifier	M	ID 1/2

Code designating the system/method of code structure used for Identification Code (67)

Per Mervyns Corporation Standards:
*N103 code '92' is only valid with an N101 equal to ST

     92   Assigned by Buyer or Buyer's Agent

M	N104	67	Identification Code	M	AN 2/17

Code identifying a party or other code

When N101 = ST, this will be a 5-digit location number.

Segment:	**HL** Hierarchical Level - Order		
Position:	010		
Loop:	HLO	Optional	
Level:	Detail		
Usage:	Must Use		
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: *Warning: Segment includes critical data elements. Please ensure accuracy to avoid document suspension and/or loss of data.*

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Sample HL (Order Level) Segment
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HL*2*1*O
****

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	HL01	628	**Hierarchical ID Number**	M	AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure		
M	HL02	734	**Hierarchical Parent ID Number**	M	AN 1/12
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to		
M	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:	HLO Optional
Level:	Detail
Usage:	Must Use
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:	

Warning: Segment includes critical data elements. Please ensure accuracy to avoid document suspension and/or loss of data.

This is the 10-digit PO#
If a Release PO# was sent against a Bulk/Blanket PO, send the Bulk PO# in PRF01 and the Release PO# in the PRF02
_____
PRF*0123456789 (Stand-Alone POs)
PRF*0123456789*0123456790 (both Bulk and Release PO #s)
****

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	**PRF01**	324	**Purchase Order Number**	**M AN 1/22**

Identifying number for Purchase Order assigned by the orderer/purchaser

Send the same number here that was received on the 850 PO in element BEG03.
This is the 10-digit PO Number

User Attribute	Ref. Des.	Data Element	Name	Attributes
X	**PRF02**	328	**Release Number**	**O AN 1/30**

Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction

Send the same number here that was received on the 850 PO in element BEG04.
This element is used only when BEG02 = 'RL' on the PO850. It contains the 10-digit Release PO# issued against a Bulk/Blanket order.

Segment:	**PID** Product/Item Description	
Position:	070	
Loop:	HLO	Optional
Level:	Detail	
Usage:	Must Use	
Max Use:	1	
Purpose:	To describe a product or process in coded or free-form format	

Syntax Notes:	1	If PID04 is present, then PID03 is required.
	2	At least one of PID04 or PID05 is required.
	3	If PID07 is present, then PID03 is required.
	4	If PID08 is present, then PID04 is required.
	5	If PID09 is present, then PID05 is required.
Semantic Notes:	1	Use PID03 to indicate the organization that publishes the code list being referred to.
	2	PID04 should be used for industry-specific product description codes.
	3	PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
	4	PID09 is used to identify the language being used in PID05.
Comments:	1	If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
	2	Use PID06 when necessary to refer to the product surface or layer being described in the segment.
	3	PID07 specifies the individual code list of the agency specified in PID03.

Notes:

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Sample PID Segment
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PID*S**VI*FL
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Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	PID01	349	**Item Description Type**	M	ID 1/1
			Code indicating the format of a description		
			S Structured (From Industry Code List)		
	PID02	750	**Product/Process Characteristic Code**	O	ID 2/3
			Code identifying the general class of a product or process characteristic		
			Not used by Mervyns Corporation		
Must Use	PID03	559	**Agency Qualifier Code**	X	ID 2/2
			Code identifying the agency assigning the code values		
			Mandatory for Mervyns Corporation.		
			VI Voluntary Inter-Industry Commerce Standard (VICS) EDI		
Must Use	PID04	751	**Product Description Code**	X	AN 1/12
			A code from an industry code list which provides specific data about a product characteristic		
			Mandatory for Mervyns Corporation.		
			FL Compliant with Fair Labor Standards Act		
			ZZ FLSA Non-Compliance or Not applicable.		

Segment:	**TD1** Carrier Details (Quantity and Weight)
Position:	110
Loop:	HLO Optional
Level:	Detail
Usage:	Must Use
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:	************************
	Sample TD1 Segment
	_____
	TD1*CTN *60
	TD1*CTN25*60
	************************

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
Must Use	TD101	103	Packaging Code	O	AN 5/5

Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required

This data element contains 2 parts. Part 1 is the first 3 positions. It is alphabetic and those codes valid for Mervyns Corporation are the first 3 listed below. Part 2 is the final 2 positions and is numeric. See example part one = CTN. Mervyns Stores is only concerned with the Part 1 codes. Any legal code or spaces can be used for Part 2. Note though that some translator packages may not allow spaces for Part 2. See Sample TD1 segments above.

CTN   Carton

25 - Carton Corrugated
31 - Carton Fiber
76 - Carton Paper

Must Use	TD102	80	Lading Quantity	O	N0 1/7

Number of units (pieces) of the lading commodity

Segment:		**N1** Name			
Position:		220			
Loop:		N1 Must Use			
Level:		Detail			
Usage:		Must Use			
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:

Warning: Segment includes critical data elements. Please ensure accuracy to avoid document suspension and/or loss of data.

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Sample N1 Segment

_____

N1*BY**92*00221
****

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name		Attributes
M	N101	98	**Entity Identifier Code**	M	**ID 2/2**
			Code identifying an organizational entity, a physical location, property or an individual		
			BY Buying Party (Purchaser)		
	N102	93	**Name**	O	**AN 1/35**
			Free-form name		
			NOT USED BY MERVYNS CORPORATION		
M	N103	66	**Identification Code Qualifier**	M	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			92 Assigned by Buyer or Buyer's Agent		
M	N104	67	**Identification Code**	M	**AN 2/17**
			Code identifying a party or other code		
			This will be a 5-digit location number.		

Segment:		**HL** Hierarchical Level - Tare		
Position:		010		
Loop:		HLT	Optional	
Level:		Detail		
Usage:		Conditional		
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:

*Warning: Segment includes critical data elements. Please ensure accuracy to avoid document suspension and/or loss of data.

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If UCC128 (2-digit Application Identifier + 18-digit SSCC) is used on the MAN segment at the Pack level, then UCC128 (2-digit Application Identifier + 18-digit SSCC) at the Tare Level is optional.
If the shipping container identification at the Pack level is an SCC-14 (i.e. interleaved 2 of 5, case U.P.C.) or a selling unit U.P.C. (used only when the case pack is 1 and the selling unit is the shipping unit), then the Tare level must be used with a UCC-128 (2-digit Application Identifier + 18-digit SSCC) in the MAN segment.

Tare level is used when providing pallet barcode information. Please note the sample HL (Tare level) segment below.

Refer to business examples in Section 4 for proper Tare/Pack level MAN element usage.

Sample HL (Tare level) Segment
_____
HL*3*2*T
****

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	HL01	628	**Hierarchical ID Number**	M	AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure		
M	HL02	734	**Hierarchical Parent ID Number**	M	AN 1/12
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to		

| M | HL03 | 735 | **Hierarchical Level Code** | M | ID 1/2 |

Code defining the characteristic of a level in a hierarchical structure

T   Shipping Tare

Segment: # MAN Marks and Numbers

Position:	190
Loop:	HLT Optional
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.

Comments:
   1 When MAN01 contains code "UC" (U.P.C. Shipping Container Code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06.
   2 MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers. When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.

Notes:
Warning: Segment includes critical data elements. Please ensure accuracy to avoid document suspension and/or loss of data.

****
NOTE: If sending HL Tare Level, this Segment is required.

Sample MAN Segment
_____
MAN*GM*00123456789876543211
****

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	MAN01	88	**Marks and Numbers Qualifier**	M	ID 1/2
			Code specifying the application or source of Marks and Numbers (87)		
			AA SSCC-18		
			GM SSCC-18 and Application Identifier		
M	MAN02	87	**Marks and Numbers**	M	AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment		
	MAN03	87	**Marks and Numbers**	O	AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment		
	MAN04	88	**Marks and Numbers Qualifier**	O	ID 1/2
			Code specifying the application or source of Marks and Numbers (87)		
			AA SSCC-18		
			GM SSCC-18 and Application Identifier		
	MAN05	87	**Marks and Numbers**	O	AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment		
	MAN06	87	**Marks and Numbers**	O	AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment		

Segment:	**HL** Hierarchical Level - Pack		
Position:	010		
Loop:	HLP	Optional	
Level:	Detail		
Usage:	Must Use		
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: *Warning: Segment includes critical data elements. Please ensure accuracy to avoid document suspension and/or loss of data.*

****
Sample HL (Pack Level) Segment
_____
HL*3*2*P
****

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	HL01	628	**Hierarchical ID Number**	M	AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure		
M	HL02	734	**Hierarchical Parent ID Number**	M	AN 1/12
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to		
M	HL03	735	**Hierarchical Level Code**	M	ID 1/2
			Code defining the characteristic of a level in a hierarchical structure		
			P Pack		

Segment:	**PO4** Item Physical Details		
Position:	060		
Loop:	HLP	Optional	
Level:	Detail		
Usage:	Optional		
Max Use:	1		
Purpose:	To specify the physical qualities, packaging, weights, and dimensions relating to the item		

Syntax Notes:
1. If either PO402 or PO403 is present, then the other is required.
2. If PO405 is present, then PO406 is required.
3. If either PO406 or PO407 is present, then the other is required.
4. If either PO408 or PO409 is present, then the other is required.
5. If PO410 is present, then PO413 is required.
6. If PO411 is present, then PO413 is required.
7. If PO412 is present, then PO413 is required.
8. If PO413 is present, then at least one of PO410 PO411 or PO412 is required.
9. If PO417 is present, then PO416 is required.
10. If PO418 is present, then PO404 is required.

Semantic Notes:
1. PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
2. PO416 is the package identifier or the beginning package identifier in a range of identifiers.
3. PO417 is the ending package identifier in a range of identifiers.
4. PO418 is the number of packages in this layer.

Comments:
1. PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
2. PO413 defines the unit of measure for PO410, PO411, and PO412.

Notes:
****

NOTE: Mervyns Corporation prefers receiving the PO4 at the pack level for the pick/pack structure. If it is not possible to send at the pack level, the PO4 must be sent at the item level.

If using standard structure, the PO4 is required at the item level.

If the PO414 element is received on the PO, then it is required to send back on the 856.

Refer to PO4 explanations in the Business Examples.

Use whole numbers only for all elements.

Sample PO4 Segment
_____
PO4*6*************4   (inner packs with selling units)

****

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
Must Use	**PO401**	**356**	**Pack**	**O**	**N0 1/6**
			The number of inner containers, or number of eaches if there are no inner containers, per outer container		
	PO402	**357**	**Size**	**X**	**R 1/8**

		Size of supplier units in pack		
		Not used by Mervyns Corporation.		
PO403	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		Not used by Mervyns Corporation.		
PO404	**103**	**Packaging Code**	**X**	**AN 3/5**
		Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required		
		Not used by Mervyns Corporation.		
PO405	**187**	**Weight Qualifier**	**O**	**ID 1/2**
		Code defining the type of weight		
		Not used by Mervyns Corporation.		
PO406	**384**	**Gross Weight per Pack**	**X**	**R 1/9**
		Numeric value of gross weight per pack		
		Not used by Mervyns Corporation.		
PO407	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
PO408	**385**	**Gross Volume per Pack**	**X**	**R 1/9**
		Numeric value of gross volume per pack		
		Not used by the Retail Industry		
PO409	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		Not used by the Retail Industry		
PO410	**82**	**Length**	**X**	**R 1/8**
		Largest horizontal dimension of an object measured when the object is in the upright position		
		Not used by Mervyns Corporation.		
PO411	**189**	**Width**	**X**	**R 1/8**
		Shorter measurement of the two horizontal dimensions measured with the object in the upright position		
		Not used by Mervyns Corporation.		
PO412	**65**	**Height**	**X**	**R 1/8**
		Vertical dimension of an object measured when the object is in the upright position		
		Not used by Mervyns Corporation.		
PO413	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		Not used by Mervyns Corporation.		
		IN Inch		
PO414	**810**	**Inner Pack**	**O**	**N0 1/6**
		The number of eaches per inner container		
		If inner cartons are being sent, this is the # of selling units within one of the inner cartons only.		
		If the PO414 element is received on the PO, then it is required to be sent back on the 856.		

Segment:	**MAN** Marks and Numbers

Position: 190
Loop: HLP Optional
Level: Detail
Usage: Must Use
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.
Comments: 1 When MAN01 contains code "UC" (U.P.C. Shipping Container Code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06.
2 MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers. When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.
Notes:

Warning: Segment includes critical data elements. Please ensure accuracy to avoid document suspension and/or loss of data.

****
MAN01 or MAN04 must be 'GM' at Pack Level when a Tare Segment is not present.

When used together, MAN01 and MAN04 CANNOT be the same (i.e. if MAN01 is 'GM', MAN04 cannot be GM).

Sample MAN Segments
_____
MAN*GM*00000123456789876751 (Must be a unique # per shipping container).

MAN*UC*10012345655668 (I-2 of 5 14-digit carton case code)

MAN*UP*000123456789 (12-digit selling unit UPC code)

Ranging MAN Segments:

MAN*GM*00000123456789987651*00000123456789988651 (In Pick Pack format only)
MAN02 = First carton barcode of an item.
MAN03 = Last carton barcode of same item.
****

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	MAN01	88	**Marks and Numbers Qualifier**	M ID 1/2

Code specifying the application or source of Marks and Numbers (87)

MAN01 or MAN04 must be 'GM' at Pack Level when a Tare Segment is not present.

AA	SSCC-18
GM	SSCC-18 and Application Identifier
UC	U.P.C. Shipping Container Code
UP	U.P.C. Consumer Package Code (1-5-5-1)

Used when case pack is one and selling unit is shipping unit

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	MAN02	87	**Marks and Numbers**	M AN 1/48

Marks and numbers used to identify a shipment or parts of a shipment

	MAN03	87	**Marks and Numbers**	O AN 1/48

Marks and numbers used to identify a shipment or parts of a shipment

	MAN04	88	**Marks and Numbers Qualifier**	O ID 1/2

Code specifying the application or source of Marks and Numbers (87)

MAN01 or MAN04 must be 'GM' at Pack Level when a Tare Segment is not present.

AA	SSCC-18
GM	SSCC-18 and Application Identifier
UC	U.P.C. Shipping Container Code

	MAN05	87	**Marks and Numbers**	O AN 1/48

Marks and numbers used to identify a shipment or parts of a shipment

	MAN06	87	**Marks and Numbers**	O AN 1/48

Marks and numbers used to identify a shipment or parts of a shipment

Segment:	**HL** Hierarchical Level - Item			
Position:	010			
Loop:	HLI	Optional		
Level:	Detail			
Usage:	Must Use			
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: *Warning: Segment includes critical data elements. Please ensure accuracy to avoid document suspension and/or loss of data.*

****
Sample HL (Item Level) Segment
_____
HL*5*4*I
****

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	HL01	628	**Hierarchical ID Number**	M	AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure		
M	HL02	734	**Hierarchical Parent ID Number**	M	AN 1/12
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to		
M	HL03	735	**Hierarchical Level Code**	M	ID 1/2
			Code defining the characteristic of a level in a hierarchical structure		
			I Item		

Segment:	**LIN** Item Identification			
Position:	020			
Loop:	HLI Optional			
Level:	Detail			
Usage:	Must Use			
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:
Warning: Segment includes critical data elements. Please ensure accuracy to avoid document suspension and/or loss of data.

****

Always send either Mervyns Corporation's Item number with a CB qualifier or the assigned UPC number with a UP qualifier.

Sample LIN Segment
_____

LIN**CB*019060025*UP*039800088628

LIN**UP*039800088628

LIN**CB*019060025
****

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
	LIN01	350	**Assigned Identification**	**O**	**AN 1/20**
			Alphanumeric characters assigned for differentiation within a transaction set		
M	**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)		
			CB Buyer's Catalog Number		
			Mervyns Corporation's 9 digit number		
			EN European Article Number (EAN) (2-5-5-1)		
			EO		
			UP U.P.C. Consumer Package Code (1-5-5-1)		
M	**LIN03**	234	**Product/Service ID**	**M**	**AN 1/48**
			Identifying number for a product or service		

| **LIN04** | **235** | **Product/Service ID Qualifier** | **O** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

CB	Buyer's Catalog Number
EN	European Article Number (EAN) (2-5-5-1)
EO	
UP	U.P.C. Consumer Package Code (1-5-5-1)

| **LIN05** | **234** | **Product/Service ID** | **X** | **AN 1/48** |

Identifying number for a product or service

| **LIN06** | **235** | **Product/Service ID Qualifier** | **O** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

CB	Buyer's Catalog Number
EN	European Article Number (EAN) (2-5-5-1)
EO	EAN/UCC - 8
UP	U.P.C. Consumer Package Code (1-5-5-1)

| **LIN07** | **234** | **Product/Service ID** | **X** | **AN 1/48** |

Identifying number for a product or service

Segment:	**SN1** Item Detail (Shipment)		
Position:	030		
Loop:	HLI Optional		
Level:	Detail		
Usage:	Must Use		
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:	*Warning: Segment includes critical data elements. Please ensure accuracy to avoid document suspension and/or loss of data.*		

Warning: Segment includes critical data elements. Please ensure accuracy to avoid document suspension and/or loss of data.

****

Sample SN1 Segment

_____

SN1**75*EA
****

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
	SN101	350	**Assigned Identification**	**O AN 1/20**
			Alphanumeric characters assigned for differentiation within a transaction set	
			Not used by Retail Industry	
M	SN102	382	**Number of Units Shipped**	**M R 1/10**
			Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	
			The value stated in SN102 is dependent upon the 856 structure: Standard or Pick Pack, and the type of carton bar code numbers being sent at the pack level.	
			Pick Pack Structure: *When a UCC-128 (2-digit Application Identifier + 18-digit SSCC) is sent for every carton, the value is equal to the total number of eaches within that case-pack. If the measurement is in cases (CA), then the value would be one.*	
			When a UCC-128 is being sent for the first and last carton (MAN segment ranges) at the pack level, then the value is equal to the total number of eaches shipped for that line item.	
			When a U.P.C. Shipping Container Code (SCC 14 digit) is sent, then the value is equal to the total number of eaches or cases shipped for that line item.	
			Standard Structure: *The value is equal to the total number of eaches or cases shipped for a line item where the respective bar code will report to the parent item level.*	
M	SN103	355	**Unit or Basis for Measurement Code**	**M ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			CA or EA can be used for Standard Pack format and Pick & Pack format	
			CA Case	
			EA Each	

Segment: **PO4** Item Physical Details

Position:	060
Loop:	HLI Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the physical qualities, packaging, weights, and dimensions relating to the item

Syntax Notes:
1. If either PO402 or PO403 is present, then the other is required.
2. If PO405 is present, then PO406 is required.
3. If either PO406 or PO407 is present, then the other is required.
4. If either PO408 or PO409 is present, then the other is required.
5. If PO410 is present, then PO413 is required.
6. If PO411 is present, then PO413 is required.
7. If PO412 is present, then PO413 is required.
8. If PO413 is present, then at least one of PO410 PO411 or PO412 is required.
9. If PO417 is present, then PO416 is required.
10. If PO418 is present, then PO404 is required.

Semantic Notes:
1. PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
2. PO416 is the package identifier or the beginning package identifier in a range of identifiers.
3. PO417 is the ending package identifier in a range of identifiers.
4. PO418 is the number of packages in this layer.

Comments:
1. PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
2. PO413 defines the unit of measure for PO410, PO411, and PO412.

Notes:
****

NOTE: This segment is required for Standard Pack Structure. If sending Pick and Pack Structure, Mervyns Corporation prefers to receive the PO4 at the Pack Level. If it is not possible to send the PO4 at the Pack Level, the PO4 must be sent at the item level.

Refer to PO4 explanations in the Business Examples.

Sample PO4 Segment
_____
PO4*3*************4   (inner pack)

****

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	PO401	356	Pack	M	N0 1/6
			The number of inner containers, or number of eaches if there are no inner containers, per outer container		
	PO402	357	Size	O	R 1/8
			Size of supplier units in pack		
			NOT USED BY MERVYNS CORPORATION		
	PO403	355	Unit or Basis for Measurement Code	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			NOT USED BY MERVYNS CORPORATION		

PO404	103	**Packaging Code**	X	AN 3/5

Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required

NOT USED BY MERVYNS CORPORATION

PO405	187	**Weight Qualifier**	O	ID 1/2

Code defining the type of weight

NOT USED BY MERVYNS CORPORATION

PO406	384	**Gross Weight per Pack**	X	R 1/9

Numeric value of gross weight per pack

NOT USED BY MERVYNS CORPORATION

PO407	355	**Unit or Basis for Measurement Code**	X	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

NOT USED BY MERVYNS CORPORATION

PO408	385	**Gross Volume per Pack**	X	R 1/9

Numeric value of gross volume per pack

NOT USED BY MERVYNS CORPORATION

PO409	355	**Unit or Basis for Measurement Code**	X	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

NOT USED BY MERVYNS CORPORATION

PO410	82	**Length**	X	R 1/8

Largest horizontal dimension of an object measured when the object is in the upright position

NOT USED BY MERVYNS CORPORATION

PO411	189	**Width**	X	R 1/8

Shorter measurement of the two horizontal dimensions measured with the object in the upright position

NOT USED BY MERVYNS CORPORATION

PO412	65	**Height**	X	R 1/8

Vertical dimension of an object measured when the object is in the upright position

NOT USED BY MERVYNS CORPORATION

PO413	355	**Unit or Basis for Measurement Code**	X	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

NOT USED BY MERVYNS CORPORATION

PO414	810	**Inner Pack**	O	N0 1/6

The number of eaches per inner container

If inner cartons are being sent, this is the # of selling units within one of the inner cartons only. If the P0414 element is received on the PO, then it is required to be sent back on the 856.

			Segment:	**CTT** Transaction Totals

Segment: **CTT** Transaction Totals

Position: 010

Loop:

Level: Summary

Usage: Must Use

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: *Warning: Segment includes critical data elements. Please ensure accuracy to avoid document suspension and/or loss of data.*

****

Sample CTT Segment

_____

CTT*12
****

Data Element Summary

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

			Segment:	**SE** Transaction Set Trailer

Segment: **SE** Transaction Set Trailer
Position: 020
Loop:
Level: Summary
Usage: Must Use
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: *Warning: Segment includes critical data elements. Please ensure accuracy to avoid document suspension and/or loss of data.*

****
Sample SE Segment

_____
SE*10*0002
****

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes	
M	SE01	96	**Number of Included Segments**	M	N0 1/10
			Total number of segments included in a transaction set including ST and SE segments		
M	SE02	329	**Transaction Set Control Number**	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		