MERVYNS

856 Advance Ship Notice - IMPORT

Version: X12 V4010

Revision Date	Description	Version

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856

Ship Notice/Manifest

Functional Group=SH

Purpose: 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.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	BSN	Beginning Segment for Ship Notice	M	1			Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - HL					200000		
010	HL	Hierarchical Level - Shipment	M	1			Must use
110	TD1	Carrier Details (Quantity and Weight)	M	20			Used
120	TD5	Carrier Details (Routing Sequence/Transit Time)	M	12			Must use
130	TD3	Carrier Details (Equipment)	M	12			Must use
150	REF	Reference Identification	O	>1			Used
200	DTM	Date/Time Reference	O	10			Must use
LOOP ID - N1					200		
220	N1	Name	M	1			Must use
250	N4	Geographic Location	M	1			Must use
LOOP ID - V1					>1		
360	V1	Vessel Identification	O	1			Used
LOOP ID - HL					200000		
010	HL	Hierarchical Level - Order	M	1			Must use
050	PRF	Purchase Order Reference	M	1			Must use
150	REF	Reference Identification	M	>1			Must use
200	DTM	Date/Time Reference	M	10			Must use
LOOP ID - SAC					>1		
320	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
LOOP ID - HL					200000		
010	HL	Hierarchical Level- Item	M	1			Must use
020	LIN	Item Identification	M	1			Must use
030	SN1	Item Detail (Shipment)	M	1			Must use
040	SLN	Subline Item Detail	O	1000			Used
060	PO4	Item Physical Details	M	1			Must use
100	PKG	Marking, Packaging, Loading	O	25			Used
140	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5			Used
LOOP ID - SAC					>1		

320	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used	

LOOP ID - HL				200000		
010	HL	Hierarchical Level - Pack	M	1		Must use
190	MAN	Marks and Numbers	M	>1		Must use

Summary:

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

Notes:

3/010   Number of line items (CTT01) is the accumulation of the number of HL segments.

Air: EDI should be sent upon departure of aircraft.
Ocean: EDI should be sent within 72 hours of feeder or mother vessel departure.
Truck: EDI should be sent 24 hours from departure of origin.
Orders should be looped within each shipment and items should be looped within each order.

ST   Transaction Set Header

<table>
<tr><td>Pos: 010</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Must use
Purpose: To indicate the start of a transaction set and to assign a control number

****

Sample ST Segment (s)

ST*856*000001196~
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set

Code	Name
856	Ship Notice/Manifest

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

BSN	**Beginning Segment for Ship Notice**	**Pos: 020** **Max: 1** **Heading - Mandatory** **Loop: N/A** **Elements: 5**

User Option (Usage): Must use
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set

****

Sample BSN Segment (s)

BSN*00*000001194*19980302*1951*0002~
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BSN01	353	**Transaction Set Purpose Code**	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set

Code	Name
00	Original

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BSN02	396	**Shipment Identification**	M	AN	2/30	Must use

Description: A unique control number assigned by the original shipper to identify a specific shipment
Note that 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 856's received from a supplier. This number should be different than the Purchase Order or Bill of Lading Number. A unique control# per transmission must to be assigned.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BSN03	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BSN04	337	**Time**	M	TM	4/8	Must use

Description: 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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BSN05	1005	**Hierarchical Structure Code**	O	ID	4/4	Used

Description: Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set

Code	Name
0002	Shipment, Order, Item, Packaging
	Standard Pack Format

Semantics:

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

Loop HL

Pos: 010	**Repeat: 200000**
	Mandatory
Loop: HL	**Elements: N/A**

User Option (Usage): Must use
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	HL	Hierarchical Level - Shipment	M	1		Must use
110	TD1	Carrier Details (Quantity and Weight)	M	20		Used
120	TD5	Carrier Details (Routing Sequence/Transit Time)	M	12		Must use
130	TD3	Carrier Details (Equipment)	M	12		Must use
150	REF	Reference Identification	O	>1		Used
200	DTM	Date/Time Reference	O	10		Must use
220		Loop N1	M		200	Must use
360		Loop V1	O		>1	Used
010		Loop HL	M		200000	Must use

HL   Hierarchical Level - Shipment

Pos: 010	**Max: 1**
Detail - Mandatory	
Loop: HL	**Elements: 3**

User Option (Usage): Must use
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

****

Sample HL Segment (s)

HL*1**S~
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL01	628	**Hierarchical ID Number**	M	AN	1/12	Must use

Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL02	734	**Hierarchical Parent ID Number**	O	AN	1/12	Used

Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to
Not used by the Retail Industry

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL03	735	**Hierarchical Level Code**	M	ID	1/2	Must use

Description: Code defining the characteristic of a level in a hierarchical structure

Code	Name
S	Shipment

Comments:

1. The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
2. The HL segment defines a top-down/left-right ordered structure.
3. HL01 shall contain a unique number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.

TD1 Carrier Details (Quantity and Weight)

Pos: 110	**Max: 20**
Detail - Mandatory	
Loop: HL	**Elements: 5**

User Option (Usage): Used
Purpose: To specify the transportation details relative to commodity, weight, and quantity

****

Sample TD1 Segment (s)

TD1*CTN*16124****G*9367*KG~
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD101	103	**Packaging Code**	M	AN	3/5	Must use

Description: 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

Code	Name
CTN	Carton

Code	Name
25	Corrugated or Solid

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD102	80	**Lading Quantity**	M	N0	1/7	Must use

Description: Number of units (pieces) of the lading commodity
Total cartons for the shipment.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD106	187	**Weight Qualifier**	M	ID	1/2	Must use

Description: Code defining the type of weight

Code	Name
G	Gross Weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD107	81	**Weight**	M	R	1/10	Must use

Description: Numeric value of weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD108	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

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

Code	Name
KG	Kilogram

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 120	**Max: 12**
Detail - Mandatory	
Loop: HL	**Elements: 10**

User Option (Usage): Must use
Purpose: To specify the carrier and sequence of routing and provide transit time information

****
Sample TD5 Segment (s)

Ocean Example:
TD5*B*2*FRLU*S*ENDEAVOUR,3*CC*PA*5201**CD*14~

Air Freight Example:
TD5*B*2*EXDO*A*AIR,29723720185*CC*PA*LAX**HO*14~
TD5*B*2*EXDO*FA*AD~
TD5*B*2*EXDO*AE~

3 possible occurrences - 1st: For Ocean Vessel, Air Shipment or Truck Shipment
                     2nd: For Air Freight Terms Information.
                     3rd: For Air Freight Shipment rated at higher LOS.
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD501	133	**Routing Sequence Code**	M	ID	1/2	Must use

Description: Code describing the relationship of a carrier to a specific shipment movement

Code	Name
B	Origin/Delivery Carrier (Any Mode)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD502	66	**Identification Code Qualifier**	M	ID	1/2	Must use

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

Code	Name
2	Standard Carrier Alpha Code (SCAC)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD503	67	**Identification Code**	M	AN	2/80	Must use

Description: Code identifying a party or other code
Ocean carrier SCAC code for ocean shipments.
Airfreight forwarder's SCAC code for air shipments.
Deconsolidator's SCAC for truck shipments from Mexico.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD504	91	**Transportation Method/Type Code**	M	ID	1/2	Must use

Description: Code specifying the method or type of transportation for the shipment

Code	Name
A	Air
	Used as qualifier for first occurrence of TD5 segment for air shipments.
C	Consolidation
	Use for CFS/CY ocean shipments.
M	Motor (Common Carrier)
	Use for truck shipments (from Mexico).
S	Ocean
	Use for CY/CY ocean shipments.
AE	Air Express
	Send only if Air Freight Shipment should be rated at higher LOS.
FA	Air Freight Forwarder
	Used only as qualifier for communicating terms of air freight shipment. Terms sent in TD505 segment following this qualifier. Ocean, Mexico consolidators should not be sending this qualifier.

TD505	387	**Routing**	M	AN	1/35	Must use

Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

If TD504= 'A', TD505=AIR(literal), Master Bill
Example: AIR,29723720185
If TD504 = 'C' or 'S', TD505=Vessel Name, Voyage Number.
Example: Ever Union,126
If TD504 = 'M', TD505=MEXICO(literal), Trailer Number.
Example: Mexico,731954
Mervyns Corporation prefers ocean voyage numbers be sent without alpha characters or leading zeroes.
Examples:
Vessel\Voyage: EDI transmission should be:
Ever Glowing 0836RW-051 Ever Glowing,51
Cho Yang Ace 07E Cho Yang Ace,7
Ever Uberty 006-05E Ever Uberty,5
If TD504 = 'FA', TD505=Terms of air shipment (See list below for codes)
AA=Airport to Airport.
AD=Airport to Door
DA=Door to Airport
DD=Door to Door
Example: AA

TD506	368	**Shipment/Order Status Code**	X	ID	2/2	Used

Description: Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction

Code	**Name**
CC	Shipment Complete on (Date)

TD507	309	**Location Qualifier**	M	ID	1/2	Used

Description: Code identifying type of location

Code	**Name**
PA	Port of Arrival

TD508	310	**Location Identifier**	M	AN	1/30	Used

Description: Code which identifies a specific location

Use Schedule D Port Codes for ocean and truck shipments
(can be found at http://www.census.gov/foreign-trade/schedules/d/dist.txt.)
Use IATA airport code for air shipments.

TD510	732	**Transit Time Direction Qualifier**	O	ID	2/2	Used

Description: Code specifying the value of time used to measure the transit time

Code	**Name**
CD	Calendar Days (Includes weekends and Holidays)
HO	Hours

TD511	733	**Transit Time**	X	R	1/4	Used

Description: The numeric amount of transit time

Syntax Rules:

1. C0708 - If TD507 is present, then TD508 is required.
2. C1011 - If TD510 is present, then TD511 is required.

Comments:

1. When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

TD3   Carrier Details (Equipment)

Pos: 130	**Max: 12**
Detail - Mandatory	
Loop: HL	**Elements: 3**

User Option (Usage): Must use
Purpose: To specify transportation details relating to the equipment used by the carrier

****
Sample TD3 Segment (s)

TD3*4B*FRLU*86080800~
TD3*AF*AIR*House Airway Bill #~
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD301	40	**Equipment Description Code**	M	ID	2/2	Must use

Description: Code identifying type of equipment used for shipment

Code	Name
2B	20 ft. IL Container (Closed Top)
4B	40 ft. IL Container (Closed Top)
6B	45 ft. IL Container (Closed Top)
8B	53 ft. Standard Container
8H	53 ft. High Cube Container
AC	Closed Container
AF	Air Freight (Break Bulk)
CL	Container (Closed Top - Length Unspecified)
	48 foot container
CN	Container
	40 ft. High Cube Container
CZ	Refrigerated Container
TL	Trailer (not otherwise specified)
	Mexico shipments only.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD302	206	**Equipment Initial**	M	AN	1/4	Must use

Description: Prefix or alphabetic part of an equipment unit's identifying number
Container prefix for ocean shipments.
"AIR" (literal) for air shipments.
SCAC code for truck shipments.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD303	207	**Equipment Number**	M	AN	1/10	Must use

Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)
Container number for ocean shipments.
House airway bill number for air shipments.
PRO number for truck shipments.

REF Reference Identification

User Option (Usage): Used
Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code	Name
BM	Bill of Lading Number
CN	Carrier's Reference Number (PRO/Invoice)
MB	Master Bill of Lading

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	X	AN	1/30	Used

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF04	C040	**Reference Identifier**	O	Comp		Used

Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

	Id	Element Name	Req	Type	Min/Max	Usage
	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification
All valid standard codes are used.

	Id	Element Name	Req	Type	Min/Max	Usage
	127	**Reference Identification**	M	AN	1/30	Must use

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

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

DTM   Date/Time Reference

User Option (Usage): Must use
Purpose: To specify pertinent dates and times

****
Sample DTM Segment (s)

DTM*067*20070217~
DTM*068*20070117~
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	374	**Date/Time Qualifier**	M	ID	3/3	Must use

Description: Code specifying type of date or time, or both date and time

Code	Name
011	Shipped
067	Current Schedule Delivery
	ETA - Mandatory
068	Current Schedule Ship

Date the vessel left the origin where the cargo originated. For shipments with a feeder vessel, this will be the sailing date of the feeder vessel, not the mother vessel. If there is no feeder vessel, the ETD of the mother vessel should be used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	**Date**	X	DT	8/8	Used

Description: Date expressed as CCYYMMDD

Loop N1

User Option (Usage): Must use
Purpose: To identify a party by type of organization, name, and code

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
220	N1	Name	M	1		Must use
250	N4	Geographic Location	M	1		Must use

N1   Name

Pos: 220   **Max: 1**
Detail - Mandatory
Loop: N1   **Elements: 4**

User Option (Usage): Must use
Purpose: To identify a party by type of organization, name, and code

****

Sample N1 Segment (s)

N1*ST*MERVYNS*92*00906~
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use

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

Code	Name
ST	Ship To

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	O	AN	1/60	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	M	ID	1/2	Must use

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

Code	Name
92	Assigned by Buyer or Buyer's Agent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	M	AN	2/80	Must use

Description: Code identifying a party or other code
This will contain the 5-digit Mervyns Corporation Location Number (DC Number)

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.

N4 Geographic Location

Pos: 250   **Max: 1**
Detail - Mandatory
Loop: N1   **Elements: 3**

User Option (Usage): Must use
Purpose: To specify the geographic place of the named party

****

Sample N4 Segment (s)

N4*42157****CA*NL~ - for ocean
N4*YAP****CA*FM~ - for air
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	M	AN	2/30	Must use

Description: Free-form text for city name

Use Schedule K port code from Harmonized Tariff schedule (found at http://www.marad.dot.gov/statistics/kcode600.txt) for ocean shipments and truck shipments from Mexico.

Use IATA airport codes for air shipments.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N405	309	**Location Qualifier**	M	ID	1/2	Must use

Description: Code identifying type of location

Code	Name
CA	Country of Origin

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N406	310	**Location Identifier**	M	AN	1/30	Must use

Description: Code which identifies a specific location
ISO 9000 Country Code - Country of Origin

Loop V1

User Option (Usage): Used
Purpose: To provide vessel details and voyage number

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
360	V1	Vessel Identification	O	1		Used

V1   Vessel Identification

Pos: 360	**Max: 1**
Detail - Optional	
Loop: V1	**Elements: 2**

User Option (Usage): Used
Purpose: To provide vessel details and voyage number

****

Sample V1 Segment (s)

V1**EVERLIVING**106~
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V102	182	**Vessel Name**	M	AN	2/28	Must use

Description: Name of ship as documented in "Lloyd's Register of Ships"
Vessel name for ocean shipments.
'AIR' (literal) for air shipments.
'Mexico' (literal) for truck shipments.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V104	55	**Flight/Voyage Number**	M	AN	2/10	Must use

Description: Identifying designator for the particular flight or voyage on which the cargo travels
Voyage number for ocean shipments.
Master airway bill for air shipments.
Trailer number for truck shipments.

Mervyns Corporation requested VICS increase the size of the field from 10 to 15 characters to accommodate master airway bill number which is 11 characters. Send first 10 characters until this request granted.

Mervyns Corporation prefers ocean voyage numbers be sent without alpha characters or leading zeroes.

Examples:

Voyage:	*EDI transmission should be:*
0836RW-051	*51*
07E	*7*
006-05E	*5*

Loop HL

User Option (Usage): Must use

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	HL	Hierarchical Level - Order	M	1		Must use
050	PRF	Purchase Order Reference	M	1		Must use
150	REF	Reference Identification	M	>1		Must use
200	DTM	Date/Time Reference	M	10		Must use
320		Loop SAC	O		>1	Used
010		Loop HL	M		200000	Must use

HL — Hierarchical Level - Order

		Pos: 010	Max: 1
		Detail - Mandatory	
		Loop: HL	Elements: 3

User Option (Usage): Must use
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

****

Sample HL Segment (s)

HL*2*1*O~
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL01	628	**Hierarchical ID Number**	M	AN	1/12	Must use

Description: 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	Used

Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to

HL03	735	**Hierarchical Level Code**	M	ID	1/2	Must use

Description: Code defining the characteristic of a level in a hierarchical structure

Code	Name
O	Order

Comments:

1. The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
2. The HL segment defines a top-down/left-right ordered structure.
3. HL01 shall contain a unique number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.

PRF   Purchase Order Reference

Pos: 050	**Max: 1**
Detail - Mandatory	
Loop: HL	**Elements: 2**

User Option (Usage): Must use
Purpose: To provide reference to a specific purchase order

****
Sample PRF Segment (s)

*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 Segment

PRF*0123456789~ (Stand-Alone and Bulk POs)
PRF*0123456789*0123456790~ (both Bulk and Release PO #s)
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PRF01	324	**Purchase Order Number**	M	AN	1/22	Must use

Description: 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 Bulk or Stand-Alone PO Number.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PRF02	328	**Release Number**	M	AN	1/30	Must use

Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction
This element is used only when BEG02 = 'RL' on the PO850. It contains the 10-digit Release PO# issued against a Bulk/Blanket order.
Send the same number here that was received on the 850 PO in element BEG04.

REF   Reference Identification

Pos: 150	**Max: >1**
Detail - Mandatory	
Loop: HL	**Elements: 2**

User Option (Usage): Must use
Purpose: To specify identifying information

****
Sample REF Segment (s)

REF*BM*FRLN21230~
REF*CN*12121212~
REF*SI*06066206160130~
REF*KL*995870~
REF*DP*941~
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code	Name
BM	Bill of Lading Number

The bill of lading number for ocean shipments should be the bill number associated to the PO number. The bill of lading associated to the PO will be the master bill for shipments shipped under Mervyns Corporation's contracts. The bill of lading number should include the SCAC code prefix and the bill of lading number.
The bill of lading number for air shipment also should be the bill number associated to the PO number. Most air shipments will have a house airway bill number associated to the PO.
The truck bill of lading should be used for truck shipments.

Code	Name
CN	Carrier's Reference Number (PRO/Invoice)

FCR number for ocean shipments. Send House airway bill number for air shipments.

Code	Name
DP	Department Number
KL	Contract Reference

-Consolidator should send Mervyns Corporation's contract number with the steamship line (i.e. Evergreen, Sealand) if Mervyns Corporation has a contract with the steamship line.
-Consolidator should send Mervyns Corporation's contract number with the NVO or airfreight forwarder if Mervyns Corporation has contract with the NVO or an airfreight forwarder.
-Consolidator should send their SCAC if we are using NVO or airfreight forwarder and Mervyns Corporation does not have a contract with the NVO or airfreight forwarder.

Code	Name
SI	Shipper's Identifying Number for Shipment (SID)

Ocean consolidator's should send the consol ship ID (ocean carrier's booking number or other unique identifier).
Air freight forwarders should send the bill of lading number associated to the PO number. Most air shipments will have a house airway bill number associated to the PO.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	M	AN	1/30	Must use

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

DTM   Date/Time Reference

<table>
<tr><td>Pos: 200</td><td>Max: 10</td></tr>
<tr><td colspan="2" align="center">Detail - Mandatory</td></tr>
<tr><td>Loop: HL</td><td>Elements: 3</td></tr>
</table>

User Option (Usage): Must use
Purpose: To specify pertinent dates and times

****
Sample DTM Segment (s)

DTM*008*20070228~
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	374	**Date/Time Qualifier**	M	ID	3/3	Must use

Description: Code specifying type of date or time, or both date and time

Code	Name
008	Purchase Order Received
810	Document Received

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM03	337	**Time**	O	TM	4/8	Used

Description: 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)

Loop SAC

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
320	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

Note:

Segment only used by air freight forwarders.

SAC Service, Promotion, Allowance, or Charge Information

Pos: 320　　　**Max: 1**
Detail - Optional
Loop: SAC　　**Elements: 5**

User Option (Usage): Used
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Note: Segment only used by air freight forwarders.
****
Sample SAC Segment (s)

SAC*C*A210***13918~
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC01	248	**Allowance or Charge Indicator**	M	ID	1/1	Must use

Description: Code which indicates an allowance or charge for the service specified

Code	Name
C	Charge

Send 'C' code for charge for air freight shipments. 'C' only sent to meet mandatory use according to syntax. Segment not sent for ocean shipments.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	M	ID	4/4	Must use

Description: Code identifying the service, promotion, allowance, or charge

Code	Name
A210	Advance Fee

Vendor pays entire air freight amount.

Code	Name
B270	Collect Surcharge

Mervyns Corporation pays entire air freight amount.

Code	Name
B290	Combination

Vendor pays portion of air freight.
Mervyns Corporation pays portion of air freight.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC03	559	**Agency Qualifier Code**	X	ID	2/2	Used

Description: Code identifying the agency assigning the code values

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC04	1301	**Agency Service, Promotion, Allowance, or Charge Code**	X	AN	1/10	Used

Description: Agency maintained code identifying the service, promotion, allowance, or charge

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC05	610	**Amount**	M	N2	1/15	Must use

Description: Monetary amount
Send amount of invoice for which vendor is responsible.

Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.

Semantics:

1. SAC05 is the total amount for the service, promotion, allowance, or charge.

Comments:

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.

Loop HL

Pos: 010	**Repeat: 200000**
	Mandatory
Loop: HL	**Elements: N/A**

User Option (Usage): Must use
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	HL	Hierarchical Level- Item	M	1		Must use
020	LIN	Item Identification	M	1		Must use
030	SN1	Item Detail (Shipment)	M	1		Must use
040	SLN	Subline Item Detail	O	1000		Used
060	PO4	Item Physical Details	M	1		Must use
100	PKG	Marking, Packaging, Loading	O	25		Used
140	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		Used
320		Loop SAC	O		>1	Used
010		Loop HL	M		200000	Must use

HL   Hierarchical Level- Item

Pos: 010	**Max: 1**
Detail - Mandatory	
Loop: HL	**Elements: 3**

User Option (Usage): Must use
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

****

Sample HL Segment (s)

HL*3*2*I~
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL01	628	**Hierarchical ID Number**	M	AN	1/12	Must use

Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL02	734	**Hierarchical Parent ID Number**	O	AN	1/12	Used

Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL03	735	**Hierarchical Level Code**	M	ID	1/2	Must use

Description: Code defining the characteristic of a level in a hierarchical structure

Code	Name
I	Item

Comments:

1. The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
2. The HL segment defines a top-down/left-right ordered structure.
3. HL01 shall contain a unique number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.

LIN — Item Identification

Pos: 020	**Max: 1**
Detail - Mandatory	
Loop: HL	**Elements: 7**

User Option (Usage): Must use
Purpose: To specify basic item identification 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 (s)

LIN**CB*019060025*UP*039800088628~
LIN**UP*039800088628~
LIN**CB*019060025~
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN01	350	**Assigned Identification**	O	AN	1/20	Used

Description: Alphanumeric characters assigned for differentiation within a transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN02	235	**Product/Service ID Qualifier**	M	ID	2/2	Must use

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

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN03	234	**Product/Service ID**	M	AN	1/48	Must use

Description: Identifying number for a product or service

When the qualifier=CB, this field will contain 9 digit Mervyns Corporation Item Number

When the qualifier=EN, this field will contain the 13-digit European Article Number (EAN) (2-5-5-1)

When the qualifier=UP, this field will contain the full 12-digit U.P.C. Consumer Package Code (1-5-5-1)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN04	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

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

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN05	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service
When the qualifier=CB, this field will contain 9 digit Mervyns Corporation Item Number

When the qualifier=EN, this field will contain the 13-digit European Article Number (EAN) (2-5-5-1)

When the qualifier=UP, this field will contain the full 12-digit U.P.C. Consumer Package Code (1-5-5-1)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN06	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

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

Code	Name
CB	Buyer's Catalog Number
	REQUIRED
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	Used

Description: Identifying number for a product or service

When the qualifier=CB, this field will contain 9 digit Mervyns Corporation Item Number

When the qualifier=EN, this field will contain the 13-digit European Article Number (EAN) (2-5-5-1)

When the qualifier=UP, this field will contain the full 12-digit U.P.C. Consumer Package Code (1-5-5-1)

Syntax Rules:

1. P0405 - If either LIN04 or LIN05 is present, then the other is required.
2. P0607 - If either LIN06 or LIN07 is present, then the other is required.

Semantics:

1. LIN01 is the line item identification

SN1   Item Detail (Shipment)

<table>
<tr><td>Pos: 030</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Mandatory</td></tr>
<tr><td>Loop: HL</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Must use
Purpose: To specify line-item detail relative to shipment

****

Sample SN1 Segment (s)

SN1**126*EA*43~
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SN101	350	**Assigned Identification**	O	AN	1/20	Used

Description: Alphanumeric characters assigned for differentiation within a transaction set
Not used by the Retail Industry.

SN102	382	**Number of Units Shipped**	M	R	1/10	Must use

Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set
Total Units shipped for an item.

SN103	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

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

Code	Name
EA	Each

SN104	646	**Quantity Shipped to Date**	M	R	1/15	Must use

Description: Number of units shipped to date
Total cartons shipped for an item.

Semantics:

1. SN101 is the ship notice line-item identification.

Comments:

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

SLN Subline Item Detail

User Option (Usage): Used
Purpose: To specify product subline detail item data

****

Sample SLN Segment (s)

SLN*1**I*42*EA*11.92*TE~
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SLN01	350	**Assigned Identification**	M	AN	1/20	Must use

Description: Alphanumeric characters assigned for differentiation within a transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SLN02	350	**Assigned Identification**	O	AN	1/20	Used

Description: Alphanumeric characters assigned for differentiation within a transaction set
Not used by the Retail Industry

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SLN03	662	**Relationship Code**	M	ID	1/1	Must use

Description: Code indicating the relationship between entities
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SLN04	380	**Quantity**	X	R	1/15	Used

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SLN05	C001	**Composite Unit of Measure**	X	Comp		Used

Description: To identify a composite unit of measure(See Figures Appendix for examples of use)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

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

Code	Name
EA	Each

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SLN06	212	**Unit Price**	X	R	1/17	Used

Description: Price per unit of product, service, commodity, etc.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SLN07	639	**Basis of Unit Price Code**	O	ID	2/2	Used

Description: Code identifying the type of unit price for an item
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SLN08	662	**Relationship Code**	O	ID	1/1	Used

Description: Code indicating the relationship between entities
Not used by the Retail Industry

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SLN09	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

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

Code	Name
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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SLN10	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service
When the qualifier=CB, this field will contain 9 digit Mervyns Corporation Item Number .

When the qualifier=EN, this field will contain the 13-digit European Article Number (EAN) (2-5-5-1)

When the qualifier=UP, this field will contain the full 12-digit U.P.C. Consumer Package Code (1-5-5-1)

Syntax Rules:

1. P0405 - If either SLN04 or SLN05 is present, then the other is required.
2. C0706 - If SLN07 is present, then SLN06 is required.
3. C0806 - If SLN08 is present, then SLN06 is required.
4. P0910 - If either SLN09 or SLN10 is present, then the other is required.

Semantics:

1. SLN01 is the identifying number for the subline item.
2. SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
3. SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
4. SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

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

PO4   Item Physical Details

User Option (Usage): Must use
Purpose: To specify the physical qualities, packaging, weights, and dimensions relating to the item

****

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.

PO401, PO414 are required on the PO, then it is required to send back on the 856.

Use whole numbers only for all elements.

Sample PO4 Segment (s)

PO4*4*************6~(Master Casepack=24, Inner Casepack=6)

PO4*12*************1~ case qty = 12, 1 sku in carton, no prepack quantities

PO4*1*************6~ case qty = 6, one sku in carton, 1 pack of 6

PO4*2*************6~ case qty = 12, 2 packs of 6, (PO4 01 x PO4 14= 12)

PO4*1*************1~ Ship To Mark For (predistro) and Assortment Prepack

****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO401	356	**Pack**	M	N0	1/6	Must use

Description: The number of inner containers, or number of eaches if there are no inner containers, per outer container

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO406	384	**Gross Weight per Pack**	X	R	1/9	Used

Description: Numeric value of gross weight per pack
For all cartons for this item.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO407	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

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

Code	Name
KG	Kilogram

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO408	385	**Gross Volume per Pack**	X	R	1/9	Used

Description: Numeric value of gross volume per pack
For all cartons for this item.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO409	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

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

Code	Name
CR	Cubic Meter

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO410	82	**Length**	X	R	1/8	Used

Description: Largest horizontal dimension of an object measured when the object is in the upright position
Must be sent for air freight.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO411	189	**Width**	X	R	1/8	Used

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

		object in the upright position				
PO412	65	**Height**	X	R	1/8	Used

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

Must be sent for air freight.

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

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

Code	**Name**
CM	Centimeter

PO414	810	**Inner Pack**	M	N0	1/6	Must use

Description: The number of eaches per inner container

Syntax Rules:

1. P0607 - If either PO406 or PO407 is present, then the other is required.
2. C1013 - If PO410 is present, then PO413 is required.
3. C1113 - If PO411 is present, then PO413 is required.
4. C1213 - If PO412 is present, then PO413 is required.
5. L13101112 - If PO413 is present, then at least one of PO410, PO411 or PO412 is required.

Comments:

1. PO413 defines the unit of measure for PO410, PO411, and PO412.

PKG Marking, Packaging, Loading

Pos: 100	Max: 25
Detail - Optional	
Loop: HL	Elements: 5

User Option (Usage): Used
Purpose: To describe marking, packaging, loading, and unloading requirements

****

Sample PKG Segment (s)

PKG*S*34*VI*TN03~
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PKG01	349	**Item Description Type**	X	ID	1/1	Used

Description: Code indicating the format of a description

Code	Name
S	Structured (From Industry Code List)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PKG02	753	**Packaging Characteristic Code**	O	ID	1/5	Used

Description: Code specifying the marking, packaging, loading and related characteristics being described

Code	Name
34	Product Marking

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PKG03	559	**Agency Qualifier Code**	X	ID	2/2	Used

Description: Code identifying the agency assigning the code values

Code	Name
VI	Voluntary Inter-Industry Commerce Standard (VICS) EDI

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PKG04	754	**Packaging Description Code**	X	AN	1/7	Used

Description: A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product

Positions 1 & 2
TN=Ticket Service not as requested

Positions 3 & 4
01=No Ticket
02=Hang Tag (swiftach)
03=Gummed Label
04=Pin Ticket
05=String
06=Hang Tag (securtach)
07=Dumbbell Gum
08=Double Gummed Label
09=Non Standard

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PKG05	352	**Description**	X	AN	1/80	Used

Description: A free-form description to clarify the related data elements and their content

Syntax Rules:
1. R0405 - At least one of PKG04 or PKG05 is required.
2. C0403 - If PKG04 is present, then PKG03 is required.
3. C0501 - If PKG05 is present, then PKG01 is required.

Semantics:
1. PKG04 should be used for industry-specific packaging description codes.

Comments:

1. Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
2. Use PKG03 to indicate the organization that publishes the code list being referred to.
3. Special marking or tagging data can be given in PKG05 (description).

TD4

Carrier Details (Special Handling, or Hazardous Materials, or Both)

Pos: 140   Max: 5
Detail - Optional
Loop: HL   Elements: 1

User Option (Usage): Used
Purpose: To specify transportation special handling requirements, or hazardous materials information, or both

****

Sample TD4 Segment (s)

TD4*CO~
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD401	152	**Special Handling Code**	M	ID	2/3	Must use

Description: Code specifying special transportation handling instructions

Code	Name
CO	No Marshalling Required for Hazardous Materials

Loop SAC

User Option (Usage): Used
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
320	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 320   **Max: 1**
Detail - Optional
Loop: SAC   **Elements: 5**

User Option (Usage): Used
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Note: Segment only used by air freight forwarders.
****
Sample SAC Segment (s)

SAC*C*A210***13918~
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC01	248	**Allowance or Charge Indicator**	M	ID	1/1	Must use

Description: Code which indicates an allowance or charge for the service specified

Code	Name
C	Charge

Send 'C' code for charge for air freight shipments. 'C' only sent to meet mandatory use according to syntax. Segment not sent for ocean shipments.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X	ID	4/4	Used

Description: Code identifying the service, promotion, allowance, or charge

Code	Name
A210	Advance Fee

Vendor pays entire air freight amount.

B270	Collect Surcharge

Mervyns Corporation pays entire air freight amount.

B290	Combination

Vendor pays portion of air freight.
Mervyns Corporation pays portion of air freight.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC03	559	**Agency Qualifier Code**	X	ID	2/2	Used

Description: Code identifying the agency assigning the code values
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC04	1301	**Agency Service, Promotion, Allowance, or Charge Code**	X	AN	1/10	Used

Description: Agency maintained code identifying the service, promotion, allowance, or charge

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC05	610	**Amount**	O	N2	1/15	Used

Description: Monetary amount
Send amount of invoice for which vendor is responsible.

Syntax Rules:
1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.

Semantics:
2. SAC05 is the total amount for the service, promotion, allowance, or charge.

Comments:
1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be

used in conjunction to further the code in SAC02.

Loop HL

<table>
<tr><td>Pos: 010</td><td>Repeat: 200000</td></tr>
<tr><td colspan="2">Mandatory</td></tr>
<tr><td>Loop: HL</td><td>Elements: N/A</td></tr>
</table>

User Option (Usage): Must use

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	HL	Hierarchical Level - Pack	M	1		Must use
190	MAN	Marks and Numbers	M	>1		Must use

HL   Hierarchical Level - Pack

Pos: 010		**Max: 1**
	Detail - Mandatory	
Loop: HL		**Elements: 3**

User Option (Usage): Must use
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

****

Sample HL Segment (s)

HL*4*3*P~
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL01	628	**Hierarchical ID Number**	M	AN	1/12	Must use

Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL02	734	**Hierarchical Parent ID Number**	O	AN	1/12	Used

Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL03	735	**Hierarchical Level Code**	M	ID	1/2	Must use

Description: Code defining the characteristic of a level in a hierarchical structure

Code	Name
P	Pack

Comments:

1. The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
2. The HL segment defines a top-down/left-right ordered structure.
3. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.

MAN   Marks and Numbers

Pos: 190   Max: >1
Detail - Mandatory
Loop: HL   Elements: 2

User Option (Usage): Must use
Purpose: To indicate identifying marks and numbers for shipping containers

****

Mervyns Corporation requires a GM qualifier in the MAN01 with a unique 20-digit barcode of each carton in the MAN02.

Sample MAN Segment (s)

MAN*GM*00123456789876543211~
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MAN01	88	**Marks and Numbers Qualifier**	M	ID	1/2	Must use

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

Code	Name
GM	SSCC-18 and Application Identifier

> *This is the twenty-character code. The symbology code and the modulo 103 check digit are not included. See External Code Source A98 in Section III for reference document.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MAN02	87	**Marks and Numbers**	M	AN	1/48	Must use

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

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.

CTT Transaction Totals

User Option (Usage): Must use
Purpose: To transmit a hash total for a specific element in the transaction set

****

Sample CTT Segment (s)

CTT*48~
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	**Number of Line Items**	M	N0	1/6	Must use

Description: Total number of line items in the transaction set

Mervyns Corporation expects this to be the HL count.

Comments:

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

SE Transaction Set Trailer

Pos: 020	**Max: 1**
Summary - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Must use
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)

****

Sample SE Segment (s)

SE*41*000001196
****

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	**Number of Included Segments**	M	N0	1/10	Must use

Description: Total number of segments included in a transaction set including ST and SE segments

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Comments:

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