Army and Air Force Exchange Service

856 Ship Notice/Manifest

Functional Group ID=SH

Introduction:

This X12 Transaction Set 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:

The following document identifies the AAFES Business Requirements for the Ship Notice/Manifest. This definition contains all data that AAFES will utilize in the processing of the ASN. All segments marked "RECOMMENDED" and elements marked with "R" are required by AAFES and should always be transmitted. All elements marked "M" are mandatory by the standards. All unmarked segments and elements may be transmitted as necessary in their respective segments.

For each level in the hierarchical structure the following segments are required:

"Pick and Pack"
HL Shipment - TD1, TD5, TD3, REF, DTM, FOB, N1 (Must send "ST" and "SF" information), N4
HL Order - PRF, N1 (Must send Ultimate Receiver "BY" and Mark For "Z7" information), N4
HL Tare - MAN
HL Pack - MAN
HL Item - LIN, SN1, PO4

OR

"Standard Carton Pack"
HL Shipment - TD1, TD5, TD3, REF, DTM, FOB, N1 (Must send "ST" and "SF"), N4
HL Order - PRF, N1 (Must send Ultimate Receiver "BY" and Mark For "Z7"), N4
HL Item - LIN, SN1, PO4
HL Tare - MAN
HL Pack - MAN

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
5	0100	ST	Transaction Set Header	M	1		
6	0200	BSN	Beginning Segment for Ship Notice	M	1		
Not Used	0400	DTM	Date/Time Reference	O	10		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - HL			200000	

7	0100	HL	Hierarchical Level -- Shipment	M	1	
Not Used	0200	LIN	Item Identification	O	1	
Not Used	0300	SN1	Item Detail (Shipment)	O	1	
Not Used	0400	SLN	Subline Item Detail	O	1000	
Not Used	0500	PRF	Purchase Order Reference	O	1	
8	0600	PO4	Item Physical Details	O	1	
Not Used	0700	PID	Product/Item Description	O	200	
Not Used	0800	MEA	Measurements	O	40	
Not Used	0900	PWK	Paperwork	O	25	
Not Used	1000	PKG	Marking, Packaging, Loading	O	25	
9	1100	TD1	Carrier Details (Quantity and Weight)	O	20	
10	1200	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
			LOOP ID - TD3			12
12	1300	TD3	Carrier Details (Equipment)	O	1	
Not Used	1350	AT9	Trailer or Container Dimension and Weight	O	1	
Not Used	1400	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	1450	TSD	Trailer Shipment Details	O	1	
13	1500	REF	Reference Information	O	>1	
Not Used	1510	PER	Administrative Communications Contact	O	3	
			LOOP ID - LH1			100
Not Used	1520	LH1	Hazardous Identification Information	O	1	
Not Used	1530	LH2	Hazardous Classification Information	O	4	
Not Used	1540	LH3	Hazardous Material Shipping Name Information	O	12	
Not Used	1550	LFH	Free-form Hazardous Material Information	O	20	
Not Used	1560	LEP	EPA Required Data	O	>1	
Not Used	1570	LH4	Canadian Dangerous Requirements	O	4	
Not Used	1580	LHT	Transborder Hazardous Requirements	O	3	
Not Used	1590	LHR	Hazardous Material Identifying Reference Numbers	O	10	
Not Used	1600	PER	Administrative Communications Contact	O	5	
Not Used	1610	LHE	Empty Equipment Hazardous Material Information	O	1	
			LOOP ID - CLD			200
Not Used	1700	CLD	Load Detail	O	1	
Not Used	1800	REF	Reference Information	O	200	
Not Used	1850	DTP	Date or Time or Period	O	1	
Not Used	1900	MAN	Marks and Numbers Information	O	>1	
14	2000	DTM	Date/Time Reference	O	10	
15	2100	FOB	F.O.B. Related Instructions	O	1	
Not Used	2150	PAL	Pallet Type and Load Characteristics	O	1	
			LOOP ID - N1			200
16	2200	N1	Party Identification	O	1	
17	2300	N2	Additional Name Information	O	2	
18	2400	N3	Party Location	O	2	
19	2500	N4	Geographic Location	O	1	
Not Used	2600	REF	Reference Information	O	12	
Not Used	2700	PER	Administrative Communications Contact	O	3	
Not Used	2800	FOB	F.O.B. Related Instructions	O	1	
Not Used	2900	SDQ	Destination Quantity	O	50	

Not Used	3000	ETD	Excess Transportation Detail	O	1	
Not Used	3100	CUR	Currency	O	1	
			LOOP ID - SAC			>1
Not Used	3200	SAC	Service, Promotion, Allowance, or Charge Information	O	1	
Not Used	3250	CUR	Currency	O	1	
Not Used	3300	GF	Furnished Goods and Services	O	1	
Not Used	3350	YNQ	Yes/No Question	O	10	
			LOOP ID - LM			10
Not Used	3400	LM	Code Source Information	O	1	
Not Used	3500	LQ	Industry Code Identification	M	100	
			LOOP ID - V1			>1
Not Used	3600	V1	Vessel Identification	O	1	
Not Used	3700	R4	Port or Terminal	O	>1	
Not Used	3800	DTM	Date/Time Reference	O	>1	
			LOOP ID - HL			1
20	3900	HL	Hierarchical Level-- ORDER	O	1	
21	0500	PRF	Purchase Order Reference	O	1	
Not Used	1500	REF	Reference Information	O	>1	
			LOOP ID - N1			200
22	2200	N1	Party Identification	O	1	
23	2300	N2	Additional Name Information	O	2	
24	2400	N3	Party Location	O	2	
25	2500	N4	Geographic Location	O	1	
Not Used	2600	REF	Reference Information	O	12	
Not Used	2700	PER	Administrative Communications Contact	O	3	
Not Used	2800	FOB	F.O.B. Related Instructions	O	1	
			LOOP ID - HL			1
26	3910	HL	Hierarchical Level-- TARE	O	1	
27	1900	MAN	Marks and Numbers Information	O	>1	
			LOOP ID - HL			1
28	3910	HL	Hierarchical Level-- PACK	O	1	
29	0200	LIN	Item Identification	O	1	
31	0300	SN1	Item Detail (Shipment)	O	1	
32	1900	MAN	Marks and Numbers Information	O	>1	
			LOOP ID - HL			1
33	3910	HL	Hierarchical Level --ITEM	O	1	
34	0200	LIN	Item Identification	O	1	
36	0300	SN1	Item Detail (Shipment)	O	1	
37	0600	PO4	Item Physical Details	O	1	
38	0700	PID	Product/Item Description	O	200	
Not Used	1200	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
39	0100	CTT	Transaction Totals	O	1		n1
40	0200	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.

Segment: **ST** **Transaction Set Header**
Position: 0100
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes:
1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**ST01**	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set 856 Ship Notice/Manifest	**M**	**1**	**ID 3/3**
M	**ST02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	**M**	**1**	**AN 4/9**

Segment: **BSN** **Beginning Segment for Ship Notice**
Position: 0200
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set
Syntax Notes: **1** If BSN07 is present, then BSN06 is required.
Semantic Notes: **1** BSN03 is the date the shipment transaction set is created.
2 BSN04 is the time the shipment transaction set is created.
3 BSN06 is limited to shipment related codes.
Comments: **1** BSN06 and BSN07 differentiate the functionality of use for the transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**BSN01**	**353**	**Transaction Set Purpose Code** Code identifying purpose of transaction set 00 Original 01 Cancellation 17 Cancel, to be Reissued	**M**	**1**	**ID 2/2**
M	**BSN02**	**396**	**Shipment Identification** A unique control number assigned by the original shipper to identify a specific shipment *Ship Notice number.*	**M**	**1**	**AN 2/30**
M	**BSN03**	**373**	**Date** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	**M**	**1**	**DT 8/8**
M	**BSN04**	**337**	**Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	**M**	**1**	**TM 4/8**
R	**BSN05**	**1005**	**Hierarchical Structure Code** Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set 0001 Shipment, Order, Packaging, Item *Pick and Pack Structure* 0002 Shipment, Order, Item, Packaging *Standard Carton Pack* 0003 Shipment, Packaging, Order, Item *Mapped but not used at this time.*	**O**	**1**	**ID 4/4**

Segment: **HL** **Hierarchical Level -- Shipment**
Position: 0100
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments
Syntax Notes:
Semantic Notes:
Comments:

1 The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
The HL segment defines a top-down/left-right ordered structure.

2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.

3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.

4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.

5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**HL01**	**628**	**Hierarchical ID Number** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	**M**	**1**	**AN 1/12**
	HL02	**734**	**Hierarchical Parent ID Number** Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	**O**	**1**	**AN 1/12**
M	**HL03**	**735**	**Hierarchical Level Code** Code defining the characteristic of a level in a hierarchical structure S Shipment	**M**	**1**	**ID 1/2**
	HL04	**736**	**Hierarchical Child Code** Code indicating if there are hierarchical child data segments subordinate to the level being described Refer to 005010 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/1**

Segment: **PO4** **Item Physical Details**
Position: 0600
Loop: HL Mandatory
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 unit of measure of the "Size" identified in the PO402. 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: *This segment is optional at the Hierarchical Level - Shipment*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
PO401	**356**	**Pack** The number of inner containers, or number of eaches if there are no inner containers, per outer container	**O**	**1**	**N0 1/6**
PO402	**357**	**Size** Size of supplier units in pack	**X**	**1**	**R 1/8**
PO403	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 005010 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 2/2**
PO408	**385**	**Gross Volume per Pack** Numeric value of gross volume per pack	**X**	**1**	**R 1/9**
PO409	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**X**	**1**	**ID 2/2**

Segment: **TD1** **Carrier Details (Quantity and Weight)**
Position: 1100
Loop: HL Mandatory
Level: Detail
Usage: Optional (Recommended)
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: *This segment is required at the Hierarchical Level - Shipment*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
R	**TD101**	**103**	**Packaging Code** Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required BAG Bag BOX Box CAS Case CTN Carton DRM Drum PCS Pieces PLT Pallet SKD Skid 03 Hard Wood 05 Soft Wood 25 Corrugated or Solid 58 Metal 67 Multiple-wall Paper (2 or more walls) 72 Paper - VCI Water-resistant paper that is treated by the addition of materials to provide resistance to damage or deterioration by water in liquid form 94 Wood	**O**	**1**	**AN 3/5**
R	**TD102**	**80**	**Lading Quantity** Number of units (pieces) of the lading commodity	**X**	**1**	**N0 1/7**
R	**TD106**	**187**	**Weight Qualifier** Code defining the type of weight Refer to 005010 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/2**
R	**TD107**	**81**	**Weight** Numeric value of weight	**X**	**1**	**R 1/10**
R	**TD108**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken 01 Actual Pounds 50 Actual Kilograms LB Pound	**X**	**1**	**ID 2/2**

Segment: **TD5** **Carrier Details (Routing Sequence/Transit Time)**
Position: 1200
Loop: HL Mandatory
Level: Detail
Usage: Optional (Recommended)
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: *This segment is required at the Hierarchical Level - Shipment for Retail and Catalog Drop Ship Purchase Orders.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
	TD501	**133**	**Routing Sequence Code** Code describing the relationship of a carrier to a specific shipment movement Refer to 005010 Data Element Dictionary for acceptable code values.	**O 1 ID 1/2**
	TD502	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) 2 Standard Carrier Alpha Code (SCAC) *If information is available, the TD502 element is required.*	**X 1 ID 1/2**
	TD503	**67**	**Identification Code** Code identifying a party or other code *Carriers SCAC. If information is available, the TD503 element is required.*	**X 1 AN 2/80**
R	**TD504**	**91**	**Transportation Method/Type Code** Code specifying the method or type of transportation for the shipment A Air AP Air (Package Carrier) D Parcel Post H Customer Pickup J Motor K Backhaul LT Less Than Trailer Load (LTL) M Motor (Common Carrier) MP Motor (Package Carrier) O Containerized Ocean R Rail T Best Way (Shippers Option) U Private Parcel Service	**X 1 ID 1/2**
R	**TD505**	**387**	**Routing** Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	**X 1 AN 1/35**

The carrier name is required for all shipments.

TD506	**368**	**Shipment/Order Status Code** 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 Refer to 005010 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 2/2**
TD510	**732**	**Transit Time Direction Qualifier** Code specifying the value of time used to measure the transit time CD Calendar Days (Includes weekends and Holidays)	**O**	**1**	**ID 2/2**
TD511	**733**	**Transit Time** The numeric amount of transit time	**X**	**1**	**R 1/4**

Segment: **TD3** **Carrier Details (Equipment)**
Position: 1300
Loop: TD3 Optional (Recommended)
Level: Detail
Usage: Optional (Recommended)
Max Use: 1
Purpose: To specify transportation details relating to the equipment used by the carrier
Syntax Notes:
1 Only one of TD301 or TD310 may be present.
2 If TD302 is present, then TD303 is required.
3 If TD304 is present, then TD305 is required.
4 If either TD305 or TD306 is present, then the other is required.
Semantic Notes:
Comments:
Notes: *If Equipment Information is available the TD3 segment is required.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
R	**TD301**	**40**	**Equipment Description Code** Code identifying type of equipment used for shipment Refer to 005010 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 2/2**
R	**TD303**	**207**	**Equipment Number** Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	**X**	**1**	**AN 1/15**

Segment: **REF** **Reference Information**
Position: 1500
Loop: HL Mandatory
Level: Detail
Usage: Optional (Recommended)
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: *This segment is required at the Hierarchical Level - Shipment.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification *This code is used for the Tracking Number and is REQUIRED for all Catalog Drop Ship ASN's. The Tracking Number is required for all other purchase orders when information is available.* 2I Tracking Number *This code is used for the Tracking Number and must be sent for all Catalog Drop Ship Orders. Required for all other orders when available.* BM Bill of Lading Number *Required by AAFES* CN Carrier's Reference Number (PRO/Invoice)	**M**	**1**	**ID 2/3**
R	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier *If REF01 = 2I, REF02 = Tracking Number* *If REF01 = BM, REF02 = Bill of Lading Number* *If REF01 = CN, REF02 = Carrier's Reference Number*	**X**	**1**	**AN 1/50**

Segment: **DTM** **Date/Time Reference**
Position: 2000
Loop: HL Mandatory
Level: Detail
Usage: Optional (Recommended)
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: **1** At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: *This segment is required at the Hierarchical Level - Shipment.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time 011 Shipped 067 Current Schedule Delivery	**M**	**1**	**ID 3/3**
R	**DTM02**	**373**	**Date** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	**X**	**1**	**DT 8/8**

Segment: **FOB** **F.O.B. Related Instructions**
Position: 2100
Loop: HL Mandatory
Level: Detail
Usage: Optional (Recommended)
Max Use: 1
Purpose: To specify transportation instructions relating to shipment
Syntax Notes:
1 If FOB03 is present, then FOB02 is required.
2 If FOB04 is present, then FOB05 is required.
3 If FOB07 is present, then FOB06 is required.
4 If FOB08 is present, then FOB09 is required.
Semantic Notes:
1 FOB01 indicates which party will pay the carrier.
2 FOB02 is the code specifying transportation responsibility location.
3 FOB06 is the code specifying the title passage location.
4 FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.
Comments:
Notes: *This segment is required at the Hierarchical Level - Shipment.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**FOB01**	**146**	**Shipment Method of Payment** Code identifying payment terms for transportation charges BP Paid by Buyer The buyer agrees to the transportation payment term requiring the buyer to pay transportation charges to a specified location (origin or destination location) CC Collect DE Per Contract Destination with exceptions as agreed between buyer and seller PB Customer Pickup/Backhaul PC Prepaid but Charged to Customer PP Prepaid (by Seller) PS Paid by Seller The seller agrees to the transportation payment term requiring the seller to pay transportation charges to a specified location (origin or destination location)	**M 1 ID 2/2**

Segment: **N1** **Party Identification**
Position: 2200
Loop: N1 Optional (Recommended)
Level: Detail
Usage: Optional (Recommended)
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: *This segment is utilized in the Shipment and Order Hierarchical Levels and is required by AAFES. The Ship To and Ship From information must be sent for all orders.*

Elements N103 and N104 are not required for Catalog Drop Ship Orders.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual BY Buying Party (Purchaser) CS Consolidator SF Ship From ST Ship To VN Vendor	**M 1 ID 2/3**
	N102	**93**	**Name** Free-form name	**X 1 AN 1/60**
R	**N103**	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 92 Assigned by Buyer or Buyer's Agent *This code is sent to identify the AAFES 7-digit facility number or 4-digit EDI facility code.* UL Global Location Number (GLN) A globally unique 13 digit code for the identification of a legal, functional or physical location within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system	**X 1 ID 1/2**
R	**N104**	**67**	**Identification Code** Code identifying a party or other code	**X 1 AN 2/80**

Segment: **N2** **Additional Name Information**
Position: 2300
Loop: N1 Optional (Recommended)
Level: Detail
Usage: Optional (Recommended)
Max Use: 2
Purpose: To specify additional names
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**N201**	**93**	**Name** Free-form name	**M**	**1**	**AN 1/60**
	N202	**93**	**Name** Free-form name	**O**	**1**	**AN 1/60**

Segment: **N3** **Party Location**
Position: 2400
Loop: N1 Optional (Recommended)
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

Segment: **N4** **Geographic Location**
Position: 2500
Loop: N1 Optional (Recommended)
Level: Detail
Usage: Optional (Recommended)
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes:
1 Only one of N402 or N407 may be present.
2 If N406 is present, then N405 is required.
3 If N407 is present, then N404 is required.
Semantic Notes:
Comments:
1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
R	**N401**	**19**	**City Name** Free-form text for city name	**O**	**1**	**AN 2/30**
R	**N402**	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency	**X**	**1**	**ID 2/2**
R	**N403**	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O**	**1**	**ID 3/15**
	N404	**26**	**Country Code** Code identifying the country	**X**	**1**	**ID 2/3**

Segment: **HL** **Hierarchical Level-- ORDER**
Position: 3900
Loop: HL Optional (Recommended)
Level: Detail
Usage: Optional (Recommended)
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.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**HL01**	**628**	**Hierarchical ID Number** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	**M**	**1**	**AN 1/12**
	HL02	**734**	**Hierarchical Parent ID Number** Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	**O**	**1**	**AN 1/12**
M	**HL03**	**735**	**Hierarchical Level Code** Code defining the characteristic of a level in a hierarchical structure Refer to 005010 Data Element Dictionary for acceptable code values.	**M**	**1**	**ID 1/2**
	HL04	**736**	**Hierarchical Child Code** Code indicating if there are hierarchical child data segments subordinate to the level being described Refer to 005010 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/1**

Segment: **PRF** **Purchase Order Reference**
Position: 0500
Loop: HL Optional (Recommended)
Level: Detail
Usage: Optional (Recommended)
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: *This segment is required at the Hierarchical Level - Order.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**PRF01**	**324**	**Purchase Order Number** Identifying number for Purchase Order assigned by the orderer/purchaser *AAFES Purchase Order Number*	**M**	**1**	**AN 1/22**
R	**PRF04**	**373**	**Date** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year *Date of the Purchase Order.*	**O**	**1**	**DT 8/8**

Segment: **N1** **Party Identification**
Position: 2200
Loop: N1 Optional (Recommended)
Level: Detail
Usage: Optional (Recommended)
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: *This segment is required at the Hierarchical Level - Order and must contain the "Ultimate Receiver" or "Mark For" information.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual BY Buying Party (Purchaser) MA Party for whom Item is Ultimately Intended Z7 Mark-for Party The party for whom the needed material is intended	**M 1 ID 2/3**
	N102	**93**	**Name** Free-form name	**X 1 AN 1/60**
R	**N103**	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 92 Assigned by Buyer or Buyer's Agent *This qualifier is used when N104 = the AAFES 4-digit EDI facility code or 7-digit AAFES facility number.* UL Global Location Number (GLN) A globally unique 13 digit code for the identification of a legal, functional or physical location within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system	**X 1 ID 1/2**
R	**N104**	**67**	**Identification Code** Code identifying a party or other code	**X 1 AN 2/80**

Segment: **N2** **Additional Name Information**
Position: 2300
Loop: N1 Optional (Recommended)
Level: Detail
Usage: Optional (Recommended)
Max Use: 2
Purpose: To specify additional names
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**N201**	**93**	**Name** Free-form name	**M**	**1**	**AN 1/60**
	N202	**93**	**Name** Free-form name	**O**	**1**	**AN 1/60**

Segment: **N3** **Party Location**
Position: 2400
Loop: N1 Optional (Recommended)
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

Segment: **N4** **Geographic Location**
Position: 2500
Loop: N1 Optional (Recommended)
Level: Detail
Usage: Optional (Recommended)
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes:
1 Only one of N402 or N407 may be present.
2 If N406 is present, then N405 is required.
3 If N407 is present, then N404 is required.
Semantic Notes:
Comments:
1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
R	**N401**	**19**	**City Name** Free-form text for city name	**O**	**1**	**AN 2/30**
R	**N402**	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency	**X**	**1**	**ID 2/2**
R	**N403**	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O**	**1**	**ID 3/15**
	N404	**26**	**Country Code** Code identifying the country	**X**	**1**	**ID 2/3**

Segment: **HL** **Hierarchical Level-- TARE**
Position: 3910
Loop: HL Optional (Recommended)
Level: Detail
Usage: Optional (Recommended)
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: *Will accept either Tare or Pack Hierarchical Level or both.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**HL01**	**628**	**Hierarchical ID Number** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	**M**	**1**	**AN 1/12**
	HL02	**734**	**Hierarchical Parent ID Number** Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	**O**	**1**	**AN 1/12**
M	**HL03**	**735**	**Hierarchical Level Code** Code defining the characteristic of a level in a hierarchical structure T Shipping Tare	**M**	**1**	**ID 1/2**
	HL04	**736**	**Hierarchical Child Code** Code indicating if there are hierarchical child data segments subordinate to the level being described Refer to 005010 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/1**

Segment: **MAN** **Marks and Numbers Information**
Position: 1900
Loop: HL Optional (Recommended)
Level: Detail
Usage: Optional (Recommended)
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: *This segment is utililized in the Tare and Pack Hierarchical Levels. May be used in either Tare, Pack or both levels.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	**MAN01**	**88**	**Marks and Numbers Qualifier** Code specifying the application or source of Marks and Numbers (87)	**M**	**1**	**ID 1/2**
			GM EAN.UCC Serial Shipping Container Code (SSCC) and Application Identifier *AAFES requires a twenty character GS1-128 Serial Shipping Container Code (SSCC) that includes the two digit application identifier (AI) and the Modulo 103 GS1-128 Symbol Check Character.* UC U.P.C. Shipping Container Code			
M	**MAN02**	**87**	**Marks and Numbers** Marks and numbers used to identify a shipment or parts of a shipment	**M**	**1**	**AN 1/48**
	MAN03	**87**	**Marks and Numbers** Marks and numbers used to identify a shipment or parts of a shipment	**O**	**1**	**AN 1/48**
	MAN04	**88**	**Marks and Numbers Qualifier** Code specifying the application or source of Marks and Numbers (87) GM EAN.UCC Serial Shipping Container Code (SSCC) and Application Identifier UC U.P.C. Shipping Container Code	**X**	**1**	**ID 1/2**
	MAN05	**87**	**Marks and Numbers** Marks and numbers used to identify a shipment or parts of a shipment	**X**	**1**	**AN 1/48**
	MAN06	**87**	**Marks and Numbers** Marks and numbers used to identify a shipment or parts of a shipment	**O**	**1**	**AN 1/48**

Segment: **HL** **Hierarchical Level-- PACK**
Position: 3910
Loop: HL Optional (Recommended)
Level: Detail
Usage: Optional (Recommended)
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: *Will accept either Tare or Pack Hierarchical Level or both.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**HL01**	**628**	**Hierarchical ID Number** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	**M**	**1**	**AN 1/12**
	HL02	**734**	**Hierarchical Parent ID Number** Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	**O**	**1**	**AN 1/12**
M	**HL03**	**735**	**Hierarchical Level Code** Code defining the characteristic of a level in a hierarchical structure P Pack	**M**	**1**	**ID 1/2**
	HL04	**736**	**Hierarchical Child Code** Code indicating if there are hierarchical child data segments subordinate to the level being described Refer to 005010 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/1**

Segment: **LIN** **Item Identification**
Position: 0200
Loop: HL Optional (Recommended)
Level: Detail
Usage: Optional (Recommended)
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: *This segment is optional at the Pack Hierarchical Level.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
	LIN01	**350**	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set	**O**	**1**	**AN 1/20**
M	**LIN02**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) EN EAN/UCC - 13 Data structure for the 13 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN) EO EAN/UCC - 8 Data structure for the 8 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN) IB International Standard Book Number (ISBN) UA U.P.C./EAN Case Code (2-5-5) UK GTIN 14-digit Data Structure Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN) UP UCC - 12 Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)	**M**	**1**	**ID 2/2**
M	**LIN03**	**234**	**Product/Service ID** Identifying number for a product or service	**M**	**1**	**AN 1/48**
	LIN04	**235**	**Product/Service ID Qualifier**	**X**	**1**	**ID 2/2**

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

LT	Lot Number
VA	Vendor's Style Number
VC	Vendor's (Seller's) Catalog Number

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

Identifying number for a product or service

Segment: **SN1** **Item Detail (Shipment)**
Position: 0300
Loop: HL Optional (Recommended)
Level: Detail
Usage: Optional (Recommended)
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.
2 SN105 is quantity ordered.
Comments: **1** SN103 defines the unit of measurement for both SN102 and SN104.
Notes: *This segment is optional at Pack Hierarchical Level.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**SN102**	**382**	**Number of Units Shipped** Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	**M**	**1**	**R 1/10**
M	**SN103**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 005010 Data Element Dictionary for acceptable code values.	**M**	**1**	**ID 2/2**
	SN105	**380**	**Quantity** Numeric value of quantity	**X**	**1**	**R 1/15**
	SN106	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 005010 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 2/2**

Segment: **MAN** **Marks and Numbers Information**
Position: 1900
Loop: HL Optional (Recommended)
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: *This segment is utilized in the Hierarchical Levels - Tare and Pack. It may be used in Tare, Pack or both levels.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	**MAN01**	**88**	**Marks and Numbers Qualifier** Code specifying the application or source of Marks and Numbers (87)	**M**	**1**	**ID 1/2**
			GM EAN.UCC Serial Shipping Container Code (SSCC) and Application Identifier *AAFES requires a twenty character GS1-128 Serial Shipping Container Code (SSCC) that includes the two digit application identifier (AI) and the Modulo 103 GS1-128 Symbol Check Character.* UC U.P.C. Shipping Container Code			
M	**MAN02**	**87**	**Marks and Numbers** Marks and numbers used to identify a shipment or parts of a shipment	**M**	**1**	**AN 1/48**
	MAN03	**87**	**Marks and Numbers** Marks and numbers used to identify a shipment or parts of a shipment	**O**	**1**	**AN 1/48**
	MAN04	**88**	**Marks and Numbers Qualifier** Code specifying the application or source of Marks and Numbers (87) GM EAN.UCC Serial Shipping Container Code (SSCC) and Application Identifier UC U.P.C. Shipping Container Code	**X**	**1**	**ID 1/2**
	MAN05	**87**	**Marks and Numbers** Marks and numbers used to identify a shipment or parts of a shipment	**X**	**1**	**AN 1/48**
	MAN06	**87**	**Marks and Numbers** Marks and numbers used to identify a shipment or parts of a shipment	**O**	**1**	**AN 1/48**

Segment: **HL** **Hierarchical Level --ITEM**
Position: 3910
Loop: HL Optional (Recommended)
Level: Detail
Usage: Optional (Recommended)
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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**HL01**	**628**	**Hierarchical ID Number** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	**M**	**1**	**AN 1/12**
	HL02	**734**	**Hierarchical Parent ID Number** Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	**O**	**1**	**AN 1/12**
M	**HL03**	**735**	**Hierarchical Level Code** Code defining the characteristic of a level in a hierarchical structure I Item	**M**	**1**	**ID 1/2**
	HL04	**736**	**Hierarchical Child Code** Code indicating if there are hierarchical child data segments subordinate to the level being described Refer to 005010 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/1**

Segment: **LIN** **Item Identification**
Position: 0200
Loop: HL Optional (Recommended)
Level: Detail
Usage: Optional (Recommended)
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: *This segment is required at the Hierarchical Level - Item.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
	LIN01	**350**	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set	**O**	**1**	**AN 1/20**
M	**LIN02**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) EN EAN/UCC - 13 Data structure for the 13 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN) EO EAN/UCC - 8 Data structure for the 8 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN) IB International Standard Book Number (ISBN) UA U.P.C./EAN Case Code (2-5-5) UK GTIN 14-digit Data Structure Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN) UP UCC - 12 Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)	**M**	**1**	**ID 2/2**
M	**LIN03**	**234**	**Product/Service ID** Identifying number for a product or service	**M**	**1**	**AN 1/48**
	LIN04	**235**	**Product/Service ID Qualifier**	**X**	**1**	**ID 2/2**

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

LT	Lot Number
VA	Vendor's Style Number
VC	Vendor's (Seller's) Catalog Number

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

Identifying number for a product or service

Segment: **SN1** **Item Detail (Shipment)**
Position: 0300
Loop: HL Optional (Recommended)
Level: Detail
Usage: Optional (Recommended)
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.
2 SN105 is quantity ordered.
Comments: **1** SN103 defines the unit of measurement for both SN102 and SN104.
Notes: *This segment is required at the Hierarchical Level - Item. The unit of measure in element SN103 must match the unit of measure that was transmitted on the purchase order.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**SN102**	**382**	**Number of Units Shipped** Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	**M**	**1**	**R 1/10**
M	**SN103**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 005010 Data Element Dictionary for acceptable code values.	**M**	**1**	**ID 2/2**
	SN105	**380**	**Quantity** Numeric value of quantity	**X**	**1**	**R 1/15**
	SN106	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 005010 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 2/2**

Segment: **PO4** **Item Physical Details**
Position: 0600
Loop: HL Optional (Recommended)
Level: Detail
Usage: Optional (Recommended)
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 unit of measure of the "Size" identified in the PO402. 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: *Element PO401 is required at the Item Hierarchical Level, if element SN103 = CA or BX or CT or PL.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
R	**PO401**	**356**	**Pack** The number of inner containers, or number of eaches if there are no inner containers, per outer container	**O**	**1**	**N0 1/6**
	PO402	**357**	**Size** Size of supplier units in pack	**X**	**1**	**R 1/8**
	PO403	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 005010 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 2/2**
	PO408	**385**	**Gross Volume per Pack** Numeric value of gross volume per pack	**X**	**1**	**R 1/9**
	PO409	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**X**	**1**	**ID 2/2**

Segment: **PID** **Product/Item Description**
Position: 0700
Loop: HL Optional (Recommended)
Level: Detail
Usage: Optional
Max Use: 200
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:
1 If PID04 is present, then PID03 is required.
2 At least one of PID04 or PID05 is required.
3 If PID07 is present, then PID03 is required.
4 If PID08 is present, then PID04 is required.
5 If PID09 is present, then PID05 is required.
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: *This segment is optional at the Hierarchical Level - Item.*

Data Element Summary

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

Segment: **CTT** **Transaction Totals**
Position: 0100
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: **1** If either CTT03 or CTT04 is present, then the other is required.
2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:
Comments: **1** This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

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

Segment: **SE** **Transaction Set Trailer**
Position: 0200
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:
Semantic Notes:
Comments: **1** SE is the last segment of each transaction set.

Data Element Summary

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