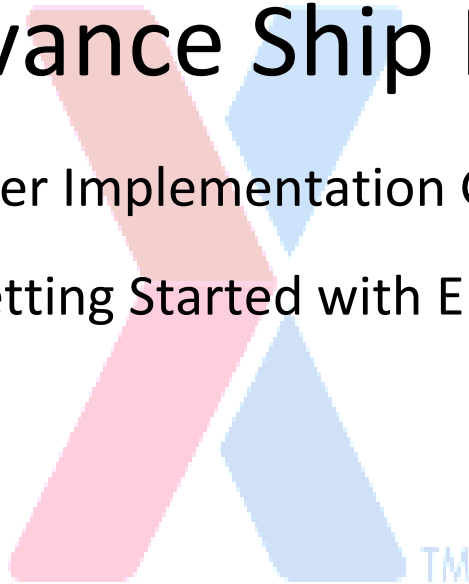# 856 Advance Ship Notice/

Supplier Implementation Guide

Getting Started with EDI

EXCHANGE

ARMY & AIR FORCE EXCHANGE SERVICE

Contents

Introduction to EDI 856 Advance Ship Notice
Introduction

Getting Started with the Exchange EDI

The following document was created to speed-up your EDI implementation. If you require additional information that is not included in this packet, please contact our EDI implementation team. We will be happy to assist you.

This document provides instructions for implementing the EDI 856 Advance ship notice and 824 Application Advice.

This document is divided into the following sections:
- **Introduction to EDI** – A basic introduction of EDI and the 856 Advance ship notice and 824 Application Advice.
- **Non-Technical Reference Materials** – Includes contact and protocol information.
- **Technical Guidelines** – Your IT or technical staff will need this information to successfully implement the 856 and the 824.

While this guide is largely intended for technical personnel, the introductory information allows you to gain a full understanding of why EDI is used and what the benefits are to you. If you are not a technical resource, we recommend you read this introduction prior to turning this guide over to any IT/technical resources who may implement the 856 Advance Ship Notice and 824 Application Advice for your organization.

If you have questions about conducting business with the Exchange or EDI concerns beyond the 856, 824 please consult the Exchange web site www.shopmyexchange.com under doing business with the Exchange**.**

What is EDI?

Simply stated, EDI (Electronic Data Interchange) is the electronic exchange of business documents between supplier and retailer in a global standardized format. Traditionally, communications between business partners (like Purchase Orders, Advanced Ship Notice or Invoices) were conducted on paper and sent via mail or fax.

With the advent of electronic file sharing, communicating such information electronically greatly reduces the time and resources required to manage these interactions. There are various EDI standards (or formats) that a company may use. Exchange currently supports ANSI X12 (American National Standards Institute), UCS (Uniform Communications Standards) and VICS (Voluntary Inter-industry Commerce Standard).

What is EDIINT AS2 (Applicability Statement 2)

EDIINT (EDI over the Internet) is a set of communication protocols, introduced by the IETF (Internet Engineering Task Force) in 1995, used to securely transmit data over the Internet. One version of EDIINT that the Exchange offers is AS2 (Applicability Statement 2). AS2 supports EDI or other data file transmissions over the Internet using HTTP.

AS2 is a specification about how to *transport* data, not how to validate or process the content of the data. AS2 specifies the means to connect, deliver, and receive data in a secure and reliable way. Our AS2 is an asynchronous only; it is an Internet Protocol based solution that uses standard HTTP. Here's are our guidelines for AS2 **click here**

Expectations of EDI Suppliers

Before beginning EDI data testing you must have completed the following:
- AS2 communication testing must be completed within 10 business days
- Partner maps must be completed
- All items must be attached to your procurement code

We require full commitment from our partners. In most cases, EDI data testing should be no longer that 15 business days for partners that create their own mappings. If you use a 3rd party provider, testing should be no longer than 5 business days.

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EDI Mandatory Transaction

The required documents are 850 (outbound PO), 810 (inbound Invoice), 860 (outbound Amendment), 856 (inbound ASN) with GS1-128 label documents, and 997 (acknowledgement).

Required Electronic Documents

Transaction	Standard	Description	Version
810	X-12	Invoice	5010
824	X-12	Application Advice for 810	5010
850	X-12	Purchase Order - Revision 1 **(All data)**	5010R1
850	X-12	Purchase Order - Revision 2 **(No PID – Product Item Description**)	5010R2
850	VICS	Purchase Order - Revision 5 VICS – **(No Special Marking instruction for overseas shipment)**	5010R5
856	X-12	Ship Notice/Manifest	5010
860	X-12	Purchase Order Change Request - **Buyer Initiated**	5010
997	X-12	Functional Acknowledgement	5010

(997) Acknowledgment is required within 24 hours for any outbound file from the date of the transmitted document. Failure to send 997 Functional Acknowledgment will result in non-compliance charges.

The Exchange EDI sends the 997 within 24 hours of the inbound file received.

 (856) Advance Ship Notice is received inbound ASN list data content of shipment of merchandise. Advanced Ship Notice data from the supplier must follow the EDI mapping requirements to be processed successfully.

Once the supplier is in production EDI with ASN, It is required to be sent electronically for every purchase order or merchandise will fail at warehouse/store.

ASN's failing in our EDI system from supplier error may result in non-compliance charges.

Testing

• Review EDI guidelines and specifications found at:
http://www.shopmyexchange.com/DoingBusiness/edigds/edi.htm
• After connection setup and mapping is completed by the supplier and Exchange, testing can commence for EDI documents with the EDI Rollout associate, their group email is
EDIROLLOUTREQUEST@AAFES.COM
• Submit test data for evaluation on inbound (from trading supplier) transaction sets (i.e., 810, 856) using test purchase order (sent by Exchange).
• Submit shipping label (GS1-128) Bar Code Graphics for label certification to
EDIROLLOUT@AAFES.COM

Depending on the supplier, testing can be a simple or complex process. If the supplier uses a third party provider already trading EDI documents with the Exchange, many of the documents do not require testing and go directly to production. Testing should be completed for the remaining documents within five days. For suppliers using their own EDI, testing should be completed within two weeks of their connection setup and maps ready to test. The supplier is expected to dedicate the time and effort to this process to ensure timely completion.

Note:

1. Supplier is responsible for checking their VAN mailbox daily.
2. Supplier is required to send Functional Acknowledgments within 24 hours of the transmission date.
3. Supplier is responsible for all VAN (Value Added Network) charges.
4. Supplier is responsible for viewing message detailing error on all ***824 Application Advice*** sent as well as viewing the 997 Functional Acknowledgement.

The Importance of the 856

Receiving the Advanced ship notice electronically allows us to process the receiving of the merchandise faster. Merchandise information is entered into our systems and set out on the floors in timely manner. When ASN is not received, merchandise can be delayed getting into our system and stores on time, etc.

ASN contains information about items being shipped, including purchase order number, ship date, Ship To and Final Destination Facility and supplier UPC number.

Receiving the 856 ASN electronically will result in:

- Correct merchandise being received.
- ASN can be reconciled with purchase orders and invoice.

EDI Requirements

The Exchange requires the EDI to be tested and complete to production using these guidelines.

- When supplier uses an EDI Provider (Ex: 3rd party provider) the mandatory documents 850, 860, 810 and 824 are added straight to EDI production system, we allow five business days to complete the 856 (ASN) with the UCC128 label testing.
- When supplier does their own mapping and testing, the supplier is expected to be tested and moved to EDI production within 15 business days (three weeks)
- Supplier is expected to be fully committed and engaging during the testing of EDI documents.
- Suppliers will receive a 997 within 24 hours of the Exchange sending the EDI transmission to Supplier.
- We expect the return of the 997 within 24 hours of supplier receiving the document, by not complying with the 24 hour time frame, will result in non-compliance charges.
- Suppliers are required to maintain compatible electronic document version numbers in accordance with the Exchange current software.

All documents must be sent with the Exchange required fields as the minimum standard in order to be in compliance with our guidelines.

Required Fields

The next section, the EDI 856 Technical Guidelines, provides the EDI standard and technical documentation for the universal standards. To simplify the process for you, below is a list of fields that the Exchange requires in the 856 transaction. You may want to refer to both this section and the next for complete technical guidelines, but this summary will allow you to focus on exactly what is needed for a successful 856.

- Suppliers must transmit a complete and correct Advance Ship Notice and Shipping Label. This ensures the merchandise is received in timely manner at the store or warehouse.

- Shipment Notice number is required and must not be duplicated more than one time for the same PO number within 18 months.

- Carrier Detail (Quantity and Weight) as well as (Routing) are required on every shipment.

- You must provide the Supplier Bill of Lading number or Carrier Reference number.

- Date of shipment is required on all Advance Ship Notice.

- You must provide the Ship To or Mark for facility, 7 digit Exchange facility number, 4-digit Alpha Numeric or 13 digit Global Location Number (GLN), facility number retrieved from the PO.

- You must provide the Exchange **10 digit** **Purchase Order number** which sets up all other processes for the handling and receipt of your merchandise.

- Date of the PO is also required.

- MAN (Marks and Numbers) are required for all ASN shipment; SSCC number is a GS1-128 Serial Shipping Container Code that is 20 digit in length, must start with 00 the 3rd to the 10th digits cannot all be zeroes.

- Number cannot be re-used within 6 month period.

- You must provide the **Products** we order as specified **by UPC** (Universal Product Code) or similar universal product identifiers like the European Article Number EAN or Global Trade Item Number GTIN. The UPC (Universal Product Code) must match the UPC number submitted on the Purchase Order. No substitute items are allowed on the Advance ship notice unless buying office has approved and adjusted the Exchange system to allow for the receipt of the item.

- Number of units shipped are required as well as the unit of measure (CA, EA, BX, CT or PL etc.)

- Case pack is required on shipments with unit of measure as (CA, BX, CT or PL) Case pack must be divisible by the number of units shipped.

- Total Line Items in HL must matched Line Items number in CTT01

EDI STANDARDS

All 856 fields below are required by the Exchange EDI Standards and used to calculate compliance.

Data Element	Business Definition	Maps to Technical Guideline…	Example Data Elements	Hierarchical Level Within the Invoice
Transaction Set Header	Identifies type of document (810/Invoice)	ST	ST*856*0780~	Header
Shipment Information, Ship Notice Structure	Beginning Segment, includes Ship Notice number, Date, Time and ASN structure Code	BSN	BSN**23456*20161020*1234*0001~	Heading
Shipment Level	Hierarchical Level - Shipment	HL - Shipment	HL*001*S	Heading
Carrier Detail (Quantity and weight)	Used to specify the transportation details relative to commodity, weight and quantity	TD1	TD1*CTN25*3****G*6.9*LB~	Heading
Carrier Detail (Routing & Transit time)	Used to specify the carrier and sequence of routing	TD5	TD5****M*FEDEXGROUND~	Heading
REF Information (Bill of Lading Number or carrier Reference Number	Identifying information, includes the Bill of Lading number or Carrier's Reference number	REF	REF*CN*SPR02712345~ REF*BM*123453936811941~	Heading
DTM Date/Tim Reference	To specify pertinent dates and times Ship date and Scheduled Delivery date	DTM	DTM*011*20150422~	Heading
FOB Transportation Instruction	Transportation instructions relating to the shipment.	FOB	FOB*CC~	
Party Identification (Ship From)	The facility number, address of the location where the product is being shipped (shipping point).	N1	N1*ST* *92*1059902~ N1*SF*VENDOR NAME*1*VENDOR DUNS#~	Heading
HL Hierarchy Order Level	Order Level is used identify dependencies among and the	HL – Order Level	HL*2*1*O~	Heading

	content of relates group data			
Purchase Order Reference	Provides reference to a specific purchase order number	PRF	PRF*0071234567***20050415~	Heading
N1 Party Identification	Segment identify a party by type of organization, name and code (Final location to ship merchandise)	N1	N1*Z7**92*1771001~	Heading
HL Hierarchy – Tare Level	Tare level is used to identify dependencies among and the content of the related groups of data	HL – Tare Level	HL*2*1*T~	Detail Level
MAN for Tare Level	Used with Tare level identifies the shipping containers	MAN – 20 digit *GS1-128 Serial Shipping Container Code*	MAN01*GM*12345678912345678912~	Detail
HL Hierarchy – PACK Level	Description of levels of detail information,	HL – PACK level	HL*3*2*P~	Detail Level
MAN for PACK Level	Used with Tare level identifies the shipping containers	MAN – 20 digit *GS1-128 Serial Shipping Container Code*	MAN01*GM*12345678912345678912~	Detail Level
HL Hierarchy Item Level	Identify dependencies among the content of the related groups of data segments.	HL – Item Level	HL*4*3*I~	Detail Level
LIN Item Identification	Specify basic item identification data	LIN	LIN**UP*037977100266~	Summary
SN1 – Item Detail Shipment	Specify line item detail relative to shipment	SN1 Item Detail *Shipment Unit of measure EACHES, CASES ETC*	SN1**18*EA	Summary
PO4 Item Physical Detail	Specify the physical qualities, packing, weights and dimensions to the item.	PO4 Item Detail *If element SN103 = CA or BX or CT or PL, the PO401 element is required*	PO4*12~	Summery
PID Product/Item Description	Describes a product on the shipment	PID	PID*F****PILLOW PRINTED MEMORY	Summery
CTT Transaction Totals	Total number of Lines on the order	CTT	CTT*X	Summary
SE Transaction Trailer	Number of segments including ST to SE	SE	SE*X*X	Summary

All 824 Application Advice fields below are required by the Exchange EDI Standards and used to calculate compliance

Data Element	Business Definition	Maps to Technical Guideline…	Example Data Elements	Hierarchical Level Within the Invoice
Transaction Set Header	Identifies type of document (810/Invoice)	ST	ST*824*0001~	Header
Error Information, Reference, Date of the 824	Beginning Segment , includes Information Reference number, date of the 824	BGN	BGN*00*2015092500353549070012345638*20150930*20150930~	Heading
N1 Party Identification (identify party to receive error message)	Supplier name and 9 or 13 digit DUNS number	N1 Code FR is used in 5010 version	N1*FR*HQ-Army/Air Force Exch svc*92*1018542~ or N1*TO*Test 824*1*123456789~	Heading
Original Transaction Identification	Identifies error transaction sets, ID, qualifier, Ref Identification, Control number and Control Identifier	OTI	OTI*IR*IV*00456789*****20*200001*810~	Detail
TED Technical Error	Segment determines the error within the data, error code and free form text	TED	TED*010*TDS01 HAS OVERCHARGE AMT; $41 FOR INV; 00456789~	Detail
NTE Note, specific instruction	Segment is only generated when description is more than 60 characters	NTE	NTE01*GEN*Description	Detail
RED Related Data	Segment is used to provide additional information of the 824	RED	RED01*Description*Code~	Detail
SE Transaction Trailer	Number of segments including ST to SE	SE	SE*number*number	Summary

General Reference Materials

Contact Information

If you have any questions or concerns regarding your EDI communication with the EXCHANGE, please contact us using the following contact information.

EDI Operations Team (Production) email address **– EDIERRORSUPPORT@AAFES.COM**

EDI Rollout Team (Testing) email address **– EDIROLLOUTREQUEST@AAFES.COM**

EDI Standards and ISA/GS Information

Standards/Version: X12 005010
X12 Standards
Sub-element Sep: > (Hex 6E)
Element Sep: * (Hex 5C)
Segment Term: ~ (Hex 15)

ISA Header Information
PRODUCTION ID'S
Exchange Receiver Qualifier: 14
Exchange Receiver ID: 001695568GP

TESTING ID's
Exchange Receiver Qualifier: 14
Exchange Receiver ID: 001695568GT

NOTE: We acknowledge all transactions at Group Level within 24 hours of receipt. Please acknowledge any transactions you receive from us in the same manner.

856 **Ship Notice/Manifest**

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:

This document defines the AAFES Business Requirements for the Ship Notice/Manifest.

1. All segments marked "Mandatory" and all elements preceded with an "M" are mandatory by the X-12 standards.

2. All segments marked "Optional (Recommended)" and all elements preceded with an "R" are required by AAFES and must always be transmitted.

3. All unmarked segments and elements may be transmitted as necessary, according to the user's need.

4. AAFES comments relating to segments and elements are noted in italic text with a shaded background.

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)
HL Order - PRF, N1 (Must send Buying Party "BY" or Mark For "Z7" information)
HL Tare - MAN
HL Pack - MAN
HL Item - LIN, SN1

OR

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

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Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Error! Bookmark not defined.	0100	ST	Transaction Set Header	M	1		
Error! Bookmark not defined.	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	
Error! Bookmark not defined.	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		
Not Used	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		
Error! Bookmark not defined.	1100	TD1	Carrier Details (Quantity and Weight)	O	20		
Error! Bookmark not defined.	1200	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
			LOOP ID - TD3			12	
Error! Bookmark not defined.	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		
Error! Bookmark not defined.	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		

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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
Error! Bookmark not defined.	2000	DTM	Date/Time Reference	O	10
Error! Bookmark not defined.	2100	FOB	F.O.B. Related Instructions	O	1
Not Used	2150	PAL	Pallet Type and Load Characteristics	O	1
			LOOP ID - N1		200
Error! Bookmark not defined.	2200	N1	Party Identification	O	1
Not Used	2300	N2	Additional Name Information	O	2
Not Used	2400	N3	Party Location	O	2
Not Used	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
Error! Bookmark not defined.	3900	HL	Hierarchical Level-- ORDER	O	1	
Error! Bookmark not defined.	0500	PRF	Purchase Order Reference	O	1	
Not Used	1500	REF	Reference Information	O	>1	
LOOP ID - N1						200
Error! Bookmark not defined.	2200	N1	Party Identification	O	1	
Not Used	2300	N2	Additional Name Information	O	2	
Not Used	2400	N3	Party Location	O	2	
Not Used	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
Error! Bookmark not defined.	3910	HL	Hierarchical Level-- TARE	O	1	
Error! Bookmark not defined.	1900	MAN	Marks and Numbers Information	O	>1	
LOOP ID - HL						1
Error! Bookmark not defined.	3910	HL	Hierarchical Level-- PACK	O	1	
Not Used	0200	LIN	Item Identification	O	1	
Not Used	0300	SN1	Item Detail (Shipment)	O	1	
Error! Bookmark not defined.	1900	MAN	Marks and Numbers Information	O	>1	
LOOP ID - HL						1
Error! Bookmark not defined.	3910	HL	Hierarchical Level --ITEM	O	1	
Error! Bookmark not defined.	0200	LIN	Item Identification	O	1	
Error! Bookmark not defined.	0300	SN1	Item Detail (Shipment)	O	1	
43	0600	PO4	Item Physical Details	O	1	
44	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
45	0100	CTT	Transaction Totals	O	1		n1
46	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**	M	1 ID 3/3
			Code uniquely identifying a Transaction Set		
			856　　　　　　Ship Notice/Manifest		
M	ST02	329	**Transaction Set Control Number**	M	1 AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		

	Segment:	**BSN** Beginning Segment for Ship Notice
	Position:	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.
	Notes:	*The document with the transaction set purpose code "01 - Cancellation" or "17 – Cancel, to be Reissued" at the BSN02 element can only be submitted after the original ASN is submitted with the code "00 - Original".*

Data Element Summary

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

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**	M	1	AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure			
	HL02	734	**Hierarchical Parent ID Number**	O	1	AN 1/12
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to			
M	HL03	735	**Hierarchical Level Code**	M	1	ID 1/2
			Code defining the characteristic of a level in a hierarchical structure			
			S Shipment			
	HL04	736	**Hierarchical Child Code**	O	1	ID 1/1
			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.			

				Segment:	**TD1** Carrier Details (Quantity and Weight)

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:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
R	**TD101**	103	**Packaging Code**		**O**	**1**	**AN 3/5**

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

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

	Ref. Des.	Data Element	Name		Attributes		
R	**TD102**	80	**Lading Quantity**		**X**	**1**	**N0 1/7**

Number of units (pieces) of the lading commodity

	Ref. Des.	Data Element	Name		Attributes		
R	**TD106**	187	**Weight Qualifier**		**O**	**1**	**ID 1/2**

Code defining the type of weight

Refer to 005010 Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name		Attributes		
R	**TD107**	81	**Weight**		**X**	**1**	**R 1/10**

Numeric value of weight

	Ref. Des.	Data Element	Name		Attributes		
R	**TD108**	355	**Unit or Basis for Measurement Code**		**X**	**1**	**ID 2/2**

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

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.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
	TD501	133	**Routing Sequence Code**	O	1	ID 1/2
			Code describing the relationship of a carrier to a specific shipment movement			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	TD502	66	**Identification Code Qualifier**	X	1	ID 1/2
			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.			
	TD503	67	**Identification Code**	X	1	AN 2/80
			Code identifying a party or other code			
			Carriers SCAC. If information is available, the TD503 element is required.			
R	TD504	91	**Transportation Method/Type Code**	X	1	ID 1/2
			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		
R	TD505	387	**Routing**	**X**	**1**	**AN 1/35**

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

The carrier name is required for all shipments.

	TD506	368	**Shipment/Order Status Code**	**X**	**1**	**ID 2/2**

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.

	TD510	732	**Transit Time Direction Qualifier**	**O**	**1**	**ID 2/2**

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

    CD   Calendar Days (Includes weekends and Holidays)

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

The numeric amount of transit time

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

Segment:	**REF** Reference Information			

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: *The REF*BM and REF*CN are both required.*

Examples:
For Parcel Shipments:
    REF*BM = Tracking Number
    REF*CN = Tracking Number

For TL/LTL Shipments:
    REF*BM = Bill of Lading Number
    REF*CN = PRO Number (if exists)
       If PRO Number does not exist then REF*CN = Bill of Lading
Number

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	REF01	128	**Reference Identification Qualifier**	M	1	ID 2/3

Code qualifying the Reference Identification

    BM   Bill of Lading Number

                 This code is used for the Bill of Lading Number and must be sent for all Warehouse/Store orders.

                 Use the Tracking Number with this qualifier when shipping via Small Parcel Service.

    CN   Carrier's Reference Number (PRO/Invoice)

	Ref. Des.	Data Element	Name	Attributes		
R	REF02	127	**Reference Identification**	X	1	AN 1/50

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

This element must be only "A-Z", "a-z", "0-9" and "-".

If REF01 = BM, REF02 = Bill of Lading Number
If REF01 = CN, REF02 = Carrier's Reference Number

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:			

Data Element Summary

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

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:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	FOB01	146	**Shipment Method of Payment**	M	1 ID 2/2

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)

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:		*The "Ship To" and "Ship From" information must be sent for all documents.*		
		* Please see Transaction Set Notes regarding elements N101/N103/N104 on page 31		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	N101	98	**Entity Identifier Code**	**M 1 ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual	
			SF Ship From	
			ST Ship To	
	N102	93	**Name**	**X 1 AN 1/60**
			Free-form name	
R	N103	66	**Identification Code Qualifier**	**X 1 ID 1/2**
			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	
			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	
R	N104	67	**Identification Code**	**X 1 AN 2/80**
			Code identifying a party or other code	

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

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:					

Data Element Summary

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

	Segment:		**N1** Party Identification			

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 must contain either the "Buying Party" or "Mark For" information.*

If N101 = BY, N104 = 4, 7, or 13 digits AAFES facility number
If N101 = Z7, N104 = 4, 7, or 13 digits AAFES facility number

Data Element Summary

Ref. Des.	Data Element	Name		Attributes		
M **N101**	**98**	**Entity Identifier Code**		**M**	**1**	**ID 2/3**

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

BY	Buying Party (Purchaser)
Z7	Mark-for Party

The party for whom the needed material is intended

N102	**93**	**Name**		**X**	**1**	**AN 1/60**

Free-form name

R **N103**	**66**	**Identification Code Qualifier**		**X**	**1**	**ID 1/2**

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

9   D-U-N-S+4, D-U-N-S Number with Four Character Suffix

This qualifier is valid with both "Buying Party" and "Mark-for Party".

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.

This qualifier is valid with both "Buying Party" and "Mark-for Party".

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

This qualifier is sent to identify the AAFES 13-digit facility number.

This qualifier is valid with both "Buying Party" and "Mark-for Party".

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| R | N104 | 67 | **Identification Code** | X | 1 AN 2/80 |

Code identifying a party or other code

Bill To facility number (1018542, 0901, 0016955680901) is not accepted.

			Segment:	**HL** Hierarchical Level-- TARE

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.*

If the Pack Hierarchical Levels is not used, Tare Hierarchical Level is required.

Data Element Summary

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

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**	M 1 ID 1/2
			Code specifying the application or source of Marks and Numbers (87)	
			If the Tare Hierarchical Levels is used, this element must contain the qualifier GM.	
			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.	
M	MAN02	87	**Marks and Numbers**	M 1 AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment	

Segment:	**HL** Hierarchical Level-- PACK			

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.*

If the Tare Hierarchical Levels is not used, Pack Hierarchical Level is required.

If the Tare Hierarchical Levels is used, Pack Hierarchical Level is optional.

Data Element Summary

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

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**	M 1 ID 1/2

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

If the Tare Hierarchical Levels is used, this element can be either the qualifier GM or UC at the Pack Hierarchical Level.

If the Tare Hierarchical Levels is not used, this element can be only the qualifier GM at the Pack Hierarchical Level.

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**	M 1 AN 1/48

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

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**	**M**	**1**	**AN 1/12**
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure			
	HL02	**734**	**Hierarchical Parent ID Number**	**O**	**1**	**AN 1/12**
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to			
M	**HL03**	**735**	**Hierarchical Level Code**	**M**	**1**	**ID 1/2**
			Code defining the characteristic of a level in a hierarchical structure			
			I Item			
	HL04	**736**	**Hierarchical Child Code**	**O**	**1**	**ID 1/1**
			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.			

			Segment:	**LIN** Item Identification

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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
	LIN01	350	**Assigned Identification**	O	1	AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set			
M	LIN02	235	**Product/Service ID Qualifier**	M	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
			The Product/Service ID Qualifier in element LIN02 must match the Product/Service ID Qualifier transmitted on our purchase order.			

         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 | LIN03 | 234 | **Product/Service ID** | M | 1 | **AN 1/48** |

Identifying number for a product or service

The Product/Service ID in element LIN03 must match the Product/Service ID transmitted on our purchase order.

| | 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.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	SN102	382	**Number of Units Shipped**	M 1	R 1/10
			Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set		
			Zero quantity is not accepted.		
M	SN103	355	**Unit or Basis for Measurement Code**	M 1	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			The Unit of Measurement in element SN103 must match the Unit of Measurement transmitted on our purchase order.		
			Refer to 005010 Data Element Dictionary for acceptable code values.		

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:	*If element SN103 = CA or BX or CT or PL, the PO401 element is required at the Item Hierarchical Level.*		

Data Element Summary

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

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.

Data Element Summary

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

Segment:	**CTT** Transaction Totals		
Position:	0100		
Loop:			
Level:	Summary		
Usage:	Optional (Recommended)		
Max Use:	1		
Purpose:	To transmit a hash total for a specific element in the transaction set		
Syntax Notes:	**1**	If either CTT03 or CTT04 is present, then the other is required.	
	2	If either CTT05 or CTT06 is present, then the other is required.	
Semantic Notes:			
Comments:	**1**	This segment is intended to provide hash totals to validate transaction completeness and correctness.	
Notes:	**CTT*10~**		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**CTT01**	**354**	**Number of Line Items**	**M 1 N0 1/6**
			Number of line items (CTT01) is the total number of HL segments	

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**	M 1 N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329	**Transaction Set Control Number**	M 1 AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

Transaction Set Notes

- AAFES will accept <u>only one</u> ASN document per PO number. Each ASN document from ST to SE segment must contain only one PO number.

- AAFES has 3 formats of the facility number.

       - 4-digit EDI code format
       - 7-digit facility number format
       - 13-digit format; AAFES DUNS# 001695568 plus 4-digit EDI code

N101	N103	N104
SF	1	9-digit supplier DUNS#
	9	13-digit supplier DUNS# (9-digit DUNS# plus 4-digit suffix)
ST, BY, Z7	92	4-digit EDI Code or 7-digit facility number
	9	13-digit AAFES facility number(9-digit AAFES DUNS#; 001695568 plus 4-digit EDI Code)

- The N1 segment at the order level must provide the final destination of the shipment.

       Situation 1: No Mark-For information
       PO Document
       N1*VN*VENDOR NAME*9*VENDOR DUNS + 4 NUMBER~
       N1***ST***WCDC W COAST DC*92***1059966**~
       N3*BLDG 550 700 E ROTH RD*SHARPE ARMY DEPOT~
       N4*FRENCH CAMP*CA*952319998~
       N1*BT*HQ - ARMY/AIR FORCE EXCH SVC*92*1018542~

       ASN Document
       N1*SF*VENDOR NAME*9*VENDOR DUNS + 4 NUMBER~
       N1***ST***WCDC W COAST DC*92***1059966**~
       HL*2*1*O~
       PRF*XXXXXXXXXX***20150831~
       N1***BY***92***1059966**~
       HL*3*2*I~

       Situation 2: With Mark-For information
       PO Document
       N1*VN*VENDOR NAME*9*VENDOR DUNS + 4 NUMBER~
       N1***ST***WCDC FLOW MANAGER*92***1059967**~
       N3*WCDC XD/TS*DOOR 54~
       N3*BLDG 550A 700 E ROTH RD~
       N4*FRENCH CAMP*CA*952310000~
       N1***Z7***OKI KADENA MSTORE*92***1771052**~
       N1*BT*HQ - ARMY/AIR FORCE EXCH SVC*92*1018542~

       ASN Document
       N1*SF*VENDOR NAME*9*VENDOR DUNS + 4 NUMBER~
       N1***ST***WCDC FLOW MANAGER*92***1059967**~
       HL*2*1*O~
       PRF*XXXXXXXXXX***20150831~
       N1***Z7***OKI KADENA MSTORE*92***1771052**~
       HL*3*2*I~

Situation 3: Cross Dock Order with SDQ segment
PO Document
N1*VN*VENDOR NAME*9*VENDOR DUNS + 4 NUMBER~
N1***ST***WCDC W COAST DC*92***1059966**~
N3*BLDG 550 700 E ROTH RD*SHARPE ARMY DEPOT~
N4*FRENCH CAMP*CA*952319998~
N1*BT*HQ - ARMY/AIR FORCE EXCH SVC*92*1018542~
PO1*00001*X*EA*X*UM*UP*XXXXXXXXXXXX~
SDQ*EA*92***1761030***2***1061602***2~

ASN Document
N1*SF*VENDOR NAME*9*VENDOR DUNS + 4 NUMBER~
N1***ST***WCDC W COAST DC*92***1059966**~
HL*2*1*O~
PRF*XXXXXXXXXX***20150831~
N1***Z7****92***1761030**~
HL*3*2*P~
…
HL*10*1*O~
PRF*XXXXXXXXXX***20150831~
N1***Z7****92***1061602**~
HL*11*10*P~

- The UPC number in the Hierarchical Level containing the code GM must be a unique number.

Incorrect: Duplicate UPC number in the Hierarchical Level
HL*7*2*P~
MAN*GM*00006177170000703133~
HL*8*7*I~
LIN**UP***617717430756**~
SN1*****6***EA~
HL*9*7*I~
LIN**UP***617717430756**~
SN1*****6***EA~
HL*10*7*I~
LIN**UP***617717430756**~
SN1*****6***EA~
HL*11*2*P~

Correct: Unique UPC number in the Hierarchical Level – Rollup QTY
HL*7*2*P~
MAN*GM*00006177170000703133~
HL*8*7*I~
LIN**UP***617717430756**~
SN1*****18***EA~
HL*9*2*P~

Correct: Unique UPC number in the Hierarchical Level – Pack items into separate container
HL*7*2*P~
MAN*GM***00006177170000703133**~
HL*8*7*I~

LIN**UP***617717430756**~
SN1**6*EA~
HL*9*2*P~
MAN*GM***00006177170000703140**~
HL*10*9*I~
LIN**UP***617717430756**~
SN1**6*EA~
HL*11*2*P~
MAN*GM***00006177170000703150**~
HL*12*11*I~
LIN**UP***617717430756**~
SN1**6*EA~
HL*13*2*P~

- The SSCC number must be a unique number within the document; it cannot be reused within a 6 month period.

Incorrect: Duplicate SSCC number in the document
HL*2*1*O~
PRF*XXXXXXXXXX***20140707~
N1*BY**92*XXXXXXX~
HL*3*2*P~
MAN*GM***00000468631021800722**~
HL*4*3*I~
LIN**UP*761318028277~
SN1**12*EA~
HL*5*2*P~
MAN*GM***00000468631021800722**~
HL*6*5*I~
LIN**UP*761318128335~
SN1**24*EA~
HL*7*2*P~
MAN*GM***00000468631021800722**~
HL*8*7*I~
LIN**UP*630623811112~
SN1**6*EA~

Correct: Unique SSCC number in the document
HL*2*1*O~
PRF*XXXXXXXXXX***20140707~
N1*BY**92*XXXXXXX~
HL*3*2*P~
MAN*GM***00000468631021800722**~
HL*4*3*I~
LIN**UP*761318028277~
SN1**12*EA~
HL*5*3*I~
LIN**UP*761318128335~
SN1**24*EA~

HL*6*3*I~
LIN**UP*630623811112~
SN1**6*EA~

- The SSCC number must be 20 digits. It must start with '00' and the 3rd to the 10th digits cannot be all zeroes.

- The Product/Service ID Qualifier (LIN02) must match the Product/Service ID Qualifier (PO106) transmitted on our purchase order.

       PO Document
       PO1*00001*24*EA*X*UM***UP***077924032783*PI*489332387*VA*7150*SK*6953066*OT*1389~

       ASN Document
       HL*2*1*O~
       PRF*XXXXXXXXXX***20150831~
       N1*Z7**92*1375142~
       HL*3*2*I~
       LIN*1***UP***077924032783~

- The Product/Service ID (LIN03) must match the Product/Service ID (PO107) transmitted on our purchase order.

       PO Document
       PO1*00001*24*EA*X*UM*UP***077924032783***PI*489332387*VA*7150*SK*6953066*OT*1389~

       ASN Document
       HL*2*1*O~
       PRF*XXXXXXXXXX***20150831~
       N1*Z7**92*1375142~
       HL*3*2*I~
       LIN*1*UP***077924032783***~

Transaction Example

Direct to Store/Warehouse/Cross Dock 3 PO
Pick and Pack Format: Shipment-Order-Pack-Item

```
ST*856*0780~
BSN*00*36051*20150428*1605*0001~
HL*1**S~
TD1*CTN*2****G*10*LB~
TD5*O**RDWY*M*446-729532-X*PR~
REF*BM*446-729532-X~
DTM*011*20150427~
FOB*PP~
N1*SF*VENDOR NAME*1*VENDOR DUNS#~
N1*ST**92*1059902~
HL*2*1*O~
PRF*0069423665***20150123~
N1*BY**92*1059902~
HL*3*2*P~
MAN*GM*00000639540000047859~
HL*4*3*I~
LIN**UP*043589347630*VA*23842DL~
SN1**24*EA~
PID*F****AF CAP WM FLT OFF 25~
HL*5*2*P~
MAN*GM*00000639540000047866~
HL*6*5*I~
LIN**UP*043589347555*VA*23842DL~
SN1**24*EA~
PID*F****AF CAP WM FLT OFF 21~
CTT*6~
SE*27*0780~
```

Direct to Store/Warehouse/Cross Dock 3 PO
Standard Pack Format: Shipment-Order-Item-Pack

```
ST*856*157101~
BSN*00*46930*20150421*135900*0002~
HL*1**S~
TD1*CTN*4****G*567*LB~
TD5**2*UPGF*LT*PARTNERS.AAFES.COM~
REF*BM*660767~
REF*2I*839005370~
DTM*011*20150422~
FOB*CC*OR~
N1*SF*VENDOR NAME*1*VENDOR DUNS#~
N1*ST*WCDC W COAST DC*92*1059966~
HL*2*1*O~
PRF*0020868939***20150109~
N1*BY**92*1059966~
HL*3*2*I~
LIN**UP*008953729740*VA*72974-B~
SN1**48*EA~
PO4*12~
PID*F****PILLOW PRINTED MEMORY FOWK31~
HL*4*3*P~
MAN*GM*00000895300000060081~
HL*5*3*P~
MAN*GM*00000895300000060098~
HL*6*3*P~
MAN*GM*00000895300000060104~
HL*7*3*P~
MAN*GM*00000895300000060111~
CTT*7~
SE*29*157101~
```

Ship-To and Mark-For PO*
Pick and Pack Format: Shipment-Order-Pack-Item

```
ST*856*0456~
BSN*00*SSH271019*20150422*185100*0001~
HL*1**S~
TD1*CTN25*3****G*6.9*LB~
TD5****M*FEDEXGROUND~
REF*CN*SPR0271017~
REF*BM*912273936811941~
DTM*011*20150422~
FOB*CC~
N1*ST*1059967*92*1059967~ ----------------Consolidation Center/Transship DC
N1*SF*VENDOR NAME*1*VENDOR DUNS#~
HL*2*1*O~
PRF*0070340956***20150415~
N1*Z7**92*1771001~ ----------------Distribution Center/Store
HL*3*2*P~
MAN*GM*00000379770085821186~
HL*4*3*I~
LIN**UP*037977100266~
SN1**18*EA~
HL*5*2*P~
MAN*GM*00000379770085821193~
HL*6*5*I~
LIN**UP*037977100266~
SN1**18*EA~
CTT*6~
SE*26*0456~
```

*Note: AAFES does not consider this PO type a Cross Dock PO.

Cross Dock 2 PO
Pick and Pack Format: Shipment-Order-Pack-Item

```
ST*856*069663130~
BSN*00*0069663130*20150217*06252400*0001~
HL*1**S~
TD1*BOX90*11984****FR*3156.75*LB~
TD5**ZZ*XDOCK*M*AAFES PICKUP~
REF*BM*OR388350~
DTM*011*20150217~
FOB*CC~
N1*ST*WACO AAFES*9*1059902~
N1*SF*VENDOR NAME*1*VENDOR DUNS#~
HL*2*1*O~
PRF*0069663130***20150216~
N1*Z7**92*1072107~ ----------------Store number from SDQ segment on a PO
HL*3*2*P~
MAN*GM*00000508990100630863***~
HL*4*3*I~
LIN*00001*UP*021306211426~
SN1**6*EA~
HL*5*3*I~
LIN*00002*UP*043429003030~
SN1**12*EA~
HL*6*1*O~
PRF*0069663130***20150216~
N1*Z7**92*1075989~ ----------------Store number from SDQ segment on a PO
HL*7*6*P~
MAN*GM*00000508990100630870***~
HL*8*7*I~
LIN*00001*UP*074704100007~
SN1**12*EA~
HL*9*7*I~
LIN*00002*UP*045836005904~
SN1**6*EA~
HL*10*1*O~
PRF*0069663130***20150216~
N1*Z7**92*1065104~ ----------------Store number from SDQ segment on a PO
HL*11*10*P~
MAN*GM*00000508990100630887***~
HL*12*11*I~
LIN*00001*UP*021306211426~
SN1**6*EA~
HL*13*11*I~
LIN*00001*UP*074704100007~
SN1**12*EA~
CTT*13~
SE*45*069663130~
```