Factory Card Outlet of America, Ltd. EDI Specifications

856 - Advance Ship Notice

Version: 4.0 Final

Publication:	**1/28/2005**
Trading Partner:	**All Trading Partners**
Modified:	**05/20/2005**
Notes:	**Please refer to User Notes for Factory Card's usage of segments.**

856-V1 Ship Notice/Manifest

Functional Group=SH

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0010	ST	Transaction Set Header	M	1			Must use
0020	BSN	Beginning Segment for Ship Notice	M	1			Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - HL					**1**		
0010	HL	Hierarchical Level	M	1			Must use
0110	TD1	Carrier Details (Quantity and Weight)	O	20			Used
0120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	1			Must use
0130	TD3	Carrier Details (Equipment)	O	12			Used
0140	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5			Used
0160	REF	Reference Identification	O	>1			Must use
0320	DTM	Date/Time Reference	O	3			Must use
LOOP ID - N1					**2**		
0350	N1	Name	O	1			Must use
0370	N3	Address Information	O	1			Used
0380	N4	Geographic Location	O	1			Used
LOOP ID - HL					**200000**		
0540	HL	Hierarchical Level	M	1			Must use
0580	PRF	Purchase Order Reference	M	1			Must use
0640	TD1	Carrier Details (Quantity and Weight)	O	2			Used
0690	REF	Reference Identification	O	>1			Used
LOOP ID - HL					**200000**		
1070	HL	Hierarchical Level	M	1			Used
1370	MAN	Marks and Numbers	O	>1			Used
LOOP ID - HL					**200000**		
2130	HL	Hierarchical Level	M	1			Must use
2280	REF	Reference Identification	O	>1			Used
2430	MAN	Marks and Numbers	O	>1			Used
LOOP ID - HL					**200000**		
2660	HL	Hierarchical Level	M	1			Must use
2670	LIN	Item Identification	O	1			Used
2680	SN1	Item Detail (Shipment)	O	1			Used
2710	PO4	Item Physical Details	O	1			Used
2720	PID	Product/Item Description	O	200			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0010	CTT	Transaction Totals	O	1			Used
0020	SE	Transaction Set Trailer	M	1			Must use

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

User Option (Usage): Must use

To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA01	I01	**Authorization Information Qualifier**	M	ID	2/2	Must use

Description: Code to identify the type of information in the Authorization Information

Code Name
00   No Authorization Information Present (No Meaningful Information in I02)

ISA02	I02	**Authorization Information**	M	AN	10/10	Must use

Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)

ISA03	I03	**Security Information Qualifier**	M	ID	2/2	Must use

Description: Code to identify the type of information in the Security Information

Code Name
00   No Security Information Present (No Meaningful Information in I04)

ISA04	I04	**Security Information**	M	AN	10/10	Must use

Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)

ISA05	I05	**Interchange ID Qualifier**	M	ID	2/2	Must use

Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

Factory Card Notes: Factory Card Outlet of America, Ltd. requires the use of a UCC EDI Communications Identifier. Since all trading partners that send Factory Card Outlet the Advance Ship Notice document must also label their cartons or pallets with UCC-128 Serial Container Markings, they are already members of the UCC. This code guarantees that each trading partner will have a unique identifier that will not change over time.

Code Name
01   Duns (Dun & Bradstreet)
08   UCC EDI Communications ID (Comm ID)

ISA06	I06	**Interchange Sender ID**	M	AN	15/15	Must use

Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element

Factory Card Notes: Factory Card Outlet of America, Ltd. requires the use of a UCC EDI Communications Identifier. Since all trading partners that send Factory Card Outlet the Advance Ship Notice document must also label their cartons or pallets with UCC-128 Serial Container Markings, they are already members of the UCC. This code guarantees that each trading partner will have a unique identifier that will not change over time.

ISA07	I05	**Interchange ID Qualifier**	M	ID	2/2	Must use

Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

		Code **Name**				
		08 UCC EDI Communications ID (Comm ID)				
		ZZ Mutually Defined				
ISA08	I07	**Interchange Receiver ID**	M	AN	15/15	Must use

Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them

Factory Card Notes: Factory Card Outlet's UCC EDI Communications ID is 6149250000.

Internal: Production id : 6149250000
Test id: 6149250000T

ISA09	I08	**Interchange Date**	M	DT	6/6	Must use

Description: Date of the interchange

ISA10	I09	**Interchange Time**	M	TM	4/4	Must use

Description: Time of the interchange

ISA11	I10	**Interchange Control Standards Identifier**	M	ID	1/1	Must use

Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer

Code   **Name**
U   U.S. EDI Community of ASC X12, TDCC, and UCS

ISA12	I11	**Interchange Control Version Number**	M	ID	5/5	Must use

Description: This version number covers the interchange control segments

Code   **Name**
00401   Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997

ISA13	I12	**Interchange Control Number**	M	N0	9/9	Must use

Description: A control number assigned by the interchange sender

ISA14	I13	**Acknowledgment Requested**	M	ID	1/1	Must use

Description: Code sent by the sender to request an interchange acknowledgment (TA1)

Code   **Name**
0   No Acknowledgment Requested
1   Interchange Acknowledgment Requested

ISA15	I14	**Usage Indicator**	M	ID	1/1	Must use

Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information

Code   **Name**
P   Production Data
T   Test Data

ISA16	I15	**Component Element Separator**	M		1/1	Must use

Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator

GS Functional Group Header

Pos:	**Max: 1**
Not Defined - Mandatory	
Loop: N/A	**Elements: 8**

User Option (Usage): Must use

To indicate the beginning of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS01	479	**Functional Identifier Code**	M	ID	2/2	Must use

Description: Code identifying a group of application related transaction sets

Code Name
SH   Ship Notice/Manifest (856)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS02	142	**Application Sender's Code**	M	AN	2/15	Must use

Description: Code identifying party sending transmission; codes agreed to by trading partners

Factory Card Notes: Production id : 6149250000
Test id: 6149250000T

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS03	124	**Application Receiver's Code**	M	AN	2/15	Must use

Description: Code identifying party receiving transmission. Codes agreed to by trading partners

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS04	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS05	337	**Time**	M	TM	4/8	Must use

Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS06	28	**Group Control Number**	M	N0	1/9	Must use

Description: Assigned number originated and maintained by the sender

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS07	455	**Responsible Agency Code**	M	ID	1/2	Must use

Description: Code used in conjunction with Data Element 480 to identify the issuer of the standard

Code Name
X   Accredited Standards Committee X12

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS08	480	**Version / Release / Industry Identifier Code**	M	AN	1/12	Must use

Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed

Code   Name
004010   Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

Semantics:
1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:
1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

ST   Transaction Set Header

Pos: 0010	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Must use

To indicate the start of a transaction set and to assign a control number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use
		Description: Code uniquely identifying a Transaction Set				
		Code Name				
		856 Ship Notice/Manifest				
ST02	329	**Transaction Set Control Number**	M	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 856 selects the Advance Ship notice Transaction Set).

BSN   Beginning Segment for Ship Notice

Pos: 0020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

User Option (Usage): Must use

To transmit identifying numbers, dates, and other basic data relating to the transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BSN01	353	**Transaction Set Purpose Code**	M	ID	2/2	Must use
		Description: Code identifying purpose of transaction set				
		Code Name				
		00 Original				
BSN02	396	**Shipment Identification**	M	AN	2/30	Must use
		Description: A unique control number assigned by the original shipper to identify a specific shipment				
BSN03	373	**Date**	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
BSN04	337	**Time**	M	TM	4/8	Must use
		Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)				
BSN05	1005	**Hierarchical Structure Code**	O	ID	4/4	Used
		Description: Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set				
		Factory Card Notes: 0001 - Pick & Pack Structure 0002 - Standard Pack Structure				
		Code Name				
		0001 Shipment, Order, Packaging, Item				
		0002 Shipment, Order, Item, Packaging				

Syntax:
   1. C0706 - If BSN07 is present, then all of BSN06 are required

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

Comments:
   1.

Factory Card Notes:
The Shipment Identification in BSN02 must be a unique number and cannot be repeated

Factory Card will only accept original ASNs with Purpose code of 00. Replacement ASNs with Purpose code 05 will not be accepted and the transaction will be rejected on reciept

Example:
BSN*00*12345*20030719*1143

HL Hierarchical Level

Pos: 0010   **Max: 1**
Detail - Mandatory
Loop: HL   **Elements: 2**

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL01	628	**Hierarchical ID Number**	M	AN	1/12	Must use
		Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure				
HL03	735	**Hierarchical Level Code**	M	ID	1/2	Must use
		Description: Code defining the characteristic of a level in a hierarchical structure				

Code   **Name**
S   Shipment

Comments:

1. The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
2. The HL segment defines a top-down/left-right ordered structure.
3. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
6. HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Factory Card Notes:

Shipment Level (Mandatory, 1 per transaction)

Example:

HL*1**S

TD1 Carrier Details (Quantity and Weight)

<div style="border:1px solid black">

Pos: 0110   **Max: 20**
Detail - Optional
Loop: HL   **Elements: 4**

</div>

User Option (Usage): Used

To specify the transportation details relative to commodity, weight, and quantity

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD101	103	**Packaging Code**	O	AN	3/5	Used
		Description: Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required				
		Code Name				
		CTN Carton				
		PLT Pallet				
TD102	80	**Lading Quantity**	C	N0	1/7	Used
		Description: Number of units (pieces) of the lading commodity				
TD107	81	**Weight**	C	R	1/10	Used
		Description: Numeric value of weight				
TD108	355	**Unit or Basis for Measurement Code**	C	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		Code Name				
		LB Pound				

Syntax:

1. C0102 - If TD101 is present, then all of TD102 are required
2. C0304 - If TD103 is present, then all of TD104 are required
3. C0607 - If TD106 is present, then all of TD107 are required
4. P0708 - If either TD107,TD108 is present, then all are required
5. P0910 - If either TD109,TD110 is present, then all are required

---

Factory Card Notes:

Specify number of cases and total weight of the shipment.

Note: This segment should contain lading qty information at the overall shipment level

Example:

TD1*CTN*25*****2500*LB

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 0120	**Max: 1**
Detail - Optional	
Loop: HL	**Elements: 1**

User Option (Usage): Must use

To specify the carrier and sequence of routing and provide transit time information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD505	387	**Routing**	C	AN	1/35	Used

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

Syntax:
1. R0204050612 - At least one of TD502,TD504,TD505,TD506,TD512 is required
2. C0203 - If TD502 is present, then all of TD503 are required
3. C0708 - If TD507 is present, then all of TD508 are required
4. C1011 - If TD510 is present, then all of TD511 are required
5. C1312 - If TD513 is present, then all of TD512 are required
6. C1413 - If TD514 is present, then all of TD513 are required
7. C1512 - If TD515 is present, then all of TD512 are required

Semantics:
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.

Factory Card Notes:
To Identify the Carrier information

Example:
TD5*****Overlan Freight

TD3 Carrier Details (Equipment)

Pos: 0130	Max: 12
Detail - Optional	
Loop: HL	Elements: 3

User Option (Usage): Used

To specify transportation details relating to the equipment used by the carrier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD301	40	**Equipment Description Code**	C	ID	2/2	Used

Description: Code identifying type of equipment used for shipment

Code	Name
TL	Trailer (not otherwise specified)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD302	206	**Equipment Initial**	O	AN	1/4	Used

Description: Prefix or alphabetic part of an equipment unit's identifying number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD303	207	**Equipment Number**	C	AN	1/10	Used

Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)

Syntax:
1. E0110 - Only one of TD301,TD310 may be presented
2. C0203 - If TD302 is present, then all of TD303 are required
3. C0405 - If TD304 is present, then all of TD305 are required
4. P0506 - If either TD305,TD306 is present, then all are required

Factory Card Notes:

To specify Trailer licence plate number

Factory Card will use this segment only for Warehouse Shipments.

This segment is not required for direct to store shipments

Example:
TD3*TL*IL*123456

TD4 Carrier Details (Special Handling, or Hazardous Materials, or Both)

Pos: 0140	**Max: 5**
Detail - Optional	
Loop: HL	**Elements: 2**

User Option (Usage): Used

To specify transportation special handling requirements, or hazardous materials information, or both

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD401	152	**Special Handling Code**	C	ID	2/3	Used

Description: Code specifying special transportation handling instructions

Code	Name
FL	Flammable
ZZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD404	352	**Description**	C	AN	1/80	Used

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

Syntax:

1. R010204 - At least one of TD401,TD402,TD404 is required
2. C0203 - If TD402 is present, then all of TD403 are required

Semantics:

1. TD405 identifies if a Material Safety Data Sheet (MSDS) exists for this product. A "Y" indicates an MSDS exists for this product; an "N" indicates an MSDS does not exist for this product.

Factory Card Notes:

Use this segment only if Special handling requirements exist related to Hazardous Material

REF Reference Identification

Pos: 0160	Max: >1
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Must use

To specify Bill of Lading and any other related information

Element Summary:

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

Description: Code qualifying the Reference Identification

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

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

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

Syntax:
1. R0203 - At least one of REF02,REF03 is required

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

Factory Card Notes:

At least one REF segment with BM qualifier to identify Bill of lading number is required.

For direct to store shipments the Carrier's Pro number (or Tracking number) is required

Example:
REF*BM*555666

DTM   Date/Time Reference

Pos: 0320	Max: 3
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Must use

To specify Shipment date and expected delivery date

Element Summary:

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

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

Code	Name
011	Shipped
017	Estimated Delivery

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

Description: Date expressed as CCYYMMDD

Syntax:

1. R020305 - At least one of DTM02,DTM03,DTM05 is required
2. C0403 - If DTM04 is present, then all of DTM03 are required
3. P0506 - If either DTM05,DTM06 is present, then all are required

Factory Card Notes:
Both occurances of DTM are required.

Example:
DTM*011*20030713
DTM*017*20030714
Product was shipped on July 13,2003, Expected delivery is July 14,2003.

N1 Name

User Option (Usage): Must use

To identify Ship from and Ship to locations

Element Summary:

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

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

Factory Card Notes: FCPO may use 'MA' to indicate in our backend system that it's reserved for a single Store. NOTE: This is NOT a Cross-Dock, so Vendor is not required to label as 'MA'.

Code	Name
MA	Party for whom Item is Ultimately Intended
SF	Ship From
ST	Ship To

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

Description: Free-form name

Factory Card Notes: FCPO may use 'MA' to indicate in our backend system that it's reserved for a single store. NOTE: Vendor is NOT required to label as 'MA' for Non Cross-Doc shipments.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	C	ID	1/2	Used

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

Code	Name
91	Assigned by Seller or Seller's Agent
92	Assigned by Buyer or Buyer's Agent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	C	AN	2/80	Used

Description: Ship to code must identify Factory card store or DC number as specified in the purchase order

Factory Card Notes: The code value sent in N104 for the Ship-to address must be the same code value sent for the Ship-to address in the original PO

Syntax:
1. R0203 - At least one of N102,N103 is required
2. P0304 - If either N103,N104 is present, then all are required

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.

Factory Card Notes:

Ship to and Ship from information are required

Direct to store Shipments: The ultimate destination information with "MA" qualifier in N101 is not needed. Only the ST and SF address information is required. The "ST" address information will be for the Store to which the goods are shipped

Shipments to DC, Cross-dock (future use only): The ultimate destination information with the "MA" qualifier in N101 is required for cross-dock Orders only. This will contain the actual Store Address information. The "ST" address information will be for the DC to which goods are shipped

Shipments to DC, Non-Cross-dock (future use only): The ultimate destination information with the "MA" qualifier in N101 is NOT required for Non-cross-dock Orders to the DC. The "ST" address information will be for the DC to which goods are shipped

Example:

N1*SF*ABC Industries*91*1234
N1*ST*Factory Card Outlet*92*903

N3 Address Information

Pos: 0370	Max: 1
Detail - Optional	
Loop: N1	**Elements: 1**

User Option (Usage): Used

To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/55	Must use
		Description: Address information				

Factory Card Notes:

Not Mandatory

Factory Card will utilize only the first 35 bytes of the address lines

N4 Geographic Location

Pos: 0380	**Max: 1**
Detail - Optional	
Loop: N1	**Elements: 4**

User Option (Usage): Used

To identify Ship from City, State and Zip code.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	**State or Province Code**	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	**Postal Code**	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
		Factory Card Notes: Factory Card will utilize only the first 9 bytes of the Zip Code				
N404	26	**Country Code**	O	ID	2/3	Used
		Description: Code identifying the country				

Syntax:

1. C0605 - If N406 is present, then all of N405 are required

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.

Factory Card Notes:

Not Mandatory

HL   Hierarchical Level

Pos: 0540	Max: 1
Detail - Mandatory	
Loop: HL	**Elements: 3**

User Option (Usage): Must use

To identify Order level information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL01	628	**Hierarchical ID Number**	M	AN	1/12	Must use
		Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure				
HL02	734	**Hierarchical Parent ID Number**	O	AN	1/12	Used
		Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to				
		Factory Card Notes: Value 1 to specify it is subbordinate to shipment level.				
HL03	735	**Hierarchical Level Code**	M	ID	1/2	Must use
		Description: Code defining the characteristic of a level in a hierarchical structure				

Code   Name
O   Order

Comments:

1. The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
2. The HL segment defines a top-down/left-right ordered structure.
3. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
6. HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Factory Card Notes:

At least one HL loop is required in the Order level and one per PO number is required.

Example:

HL*2*1*O

PRF   Purchase Order Reference

<table>
<tr><td>Pos: 0580</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Mandatory</td></tr>
<tr><td>Loop: HL</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Must use

To provide reference to a specific purchase order

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PRF01	324	**Purchase Order Number**	M	AN	1/22	Must use
		Description: Identifying number for Purchase Order assigned by Factory Card Outlet				
PRF04	373	**Date**	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				

Semantics:

1. PRF04 is the date assigned by the purchaser to purchase order.

Factory Card Notes:
The Factory Card PO number from the original PO is required in PRF01. The format of the PO number must be exactly same as the Original PO# sent in the BEG03 element of the 850 transaction

Example:
PRF*12345600***20030715

TD1 Carrier Details (Quantity and Weight)

Pos: 0640	**Max: 2**
Detail - Optional	
Loop: HL	**Elements: 4**

User Option (Usage): Used

To specify the transportation details relative to commodity, weight, and quantity

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD101	103	**Packaging Code**	O	AN	3/5	Used

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

Code **Name**
CTN Carton
PLT Pallet

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD102	80	**Lading Quantity**	C	N0	1/7	Used

Description: Number of units (pieces) of the lading commodity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD107	81	**Weight**	C	R	1/10	Used

Description: Numeric value of weight

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

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

Code **Name**
LB Pound

Syntax:

1. C0102 - If TD101 is present, then all of TD102 are required
2. C0304 - If TD103 is present, then all of TD104 are required
3. C0607 - If TD106 is present, then all of TD107 are required
4. P0708 - If either TD107,TD108 is present, then all are required
5. P0910 - If either TD109,TD110 is present, then all are required

Factory Card Notes:

Specify number of cases and total weight of the Order.

Note: This segment should contain lading qty information at the individual Order level

Example:

TD1*CTN*200*****250*LB

REF   Reference Identification

<table>
<tr><td>Pos: 0690</td><td>Max: >1</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: HL</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Used

To specify identifying information

Element Summary:

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

Description: Code qualifying the Reference Identification

Code   Name
PK   Packing List Number
VN   Vendor Order Number

REF02	127	**Reference Identification**	C	AN	1/30	Used

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

Syntax:

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

Semantics:

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

Factory Card Notes:

Either Packing List Number or Vendor Order number is required

HL Hierarchical Level

Pos: 1070   Max: 1
Detail - Mandatory
Loop: HL   Elements: 3

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL01	628	**Hierarchical ID Number**	M	AN	1/12	Must use
		Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure				
HL02	734	**Hierarchical Parent ID Number**	O	AN	1/12	Used
		Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to				
HL03	735	**Hierarchical Level Code**	M	ID	1/2	Must use
		Description: Code defining the characteristic of a level in a hierarchical structure				

Code Name
T   Shipping Tare

Comments:

1. The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
2. The HL segment defines a top-down/left-right ordered structure.
3. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
6. HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Factory Card Notes:

This segment is Optional for Direct to Store Shipments. (Future: For all Warehouse and Cross Dock shipments, Pallet Level is required).

The Tare level is used when providing pallet barcode information.

Example:

HL*3*2*T

MAN   Marks and Numbers

Pos: 1370	Max: >1
Detail - Optional	
Loop: HL	**Elements: 2**

User Option (Usage): Used

To indicate identifying marks and numbers for shipping containers

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MAN01	88	**Marks and Numbers Qualifier**	M	ID	1/2	Must use
		Description: Code specifying the application or source of Marks and Numbers (87)				
		Code Name				
		GM SSCC-18 and Application Identifier				
MAN02	87	**Marks and Numbers**	M	AN	1/48	Must use
		Description: Marks and numbers used to identify a shipment or parts of a shipment				
		Factory Card Notes: This element should contain the UCC-128 code in the proper format with the correct check digit				

Syntax:
1. P0405 - If either MAN04,MAN05 is present, then all are required
2. C0605 - If MAN06 is present, then all of MAN05 are required

Semantics:
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.
3. 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.

Example:
MAN*AI*00123456123456780

HL   Hierarchical Level

Pos: 2130	Max: 1
Detail - Mandatory	
Loop: HL	**Elements: 3**

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL01	628	**Hierarchical ID Number**	M	AN	1/12	Must use
		Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure				
HL02	734	**Hierarchical Parent ID Number**	O	AN	1/12	Used
		Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to				
HL03	735	**Hierarchical Level Code**	M	ID	1/2	Must use
		Description: Code defining the characteristic of a level in a hierarchical structure				

Code   Name
P   Pack

Comments:

1. The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
2. The HL segment defines a top-down/left-right ordered structure.
3. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
6. HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Factory Card Notes:

This level is to identify Carton marking. This level is requied for all Store and Warehouse-Cross Dock shipments.

Example:

HL*4*3*P

REF   Reference Identification

<div style="border:1px solid black">

Pos: 2280   **Max: >1**
Detail - Optional
Loop: HL   Elements: 2

</div>

User Option (Usage): Used

To specify identifying information

Element Summary:

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

Description: Code qualifying the Reference Identification

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

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

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

Factory Card Notes: Either PRO Number or Tracking Number is expected.

Syntax:

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

Semantics:

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

MAN Marks and Numbers

Pos: 2430	**Max: >1**
Detail - Optional	
Loop: HL	**Elements: 2**

User Option (Usage): Used

To indicate identifying marks and numbers for shipping containers

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MAN01	88	**Marks and Numbers Qualifier**	M	ID	1/2	Must use
		Description: Code specifying the application or source of Marks and Numbers (87)				
		Code Name				
		GM SSCC-18 and Application Identifier				
MAN02	87	**Marks and Numbers**	M	AN	1/48	Must use
		Description: Marks and numbers used to identify a shipment or parts of a shipment				

Syntax:
1. P0405 - If either MAN04,MAN05 is present, then all are required
2. C0605 - If MAN06 is present, then all of MAN05 are required

Semantics:
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.
3. 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.

Factory Card Notes:
Carton marking is required for direct to store shipments and warehouse shipments

Example:
MAN*AI*00123456123456791

HL   Hierarchical Level

Pos: 2660	**Max: 1**
Detail - Mandatory	
Loop: HL	**Elements: 3**

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL01	628	**Hierarchical ID Number**	M	AN	1/12	Must use
		Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure				
HL02	734	**Hierarchical Parent ID Number**	O	AN	1/12	Used
		Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to				
HL03	735	**Hierarchical Level Code**	M	ID	1/2	Must use
		Description: Code defining the characteristic of a level in a hierarchical structure				

Code   Name
I   Item

Comments:

1. The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
2. The HL segment defines a top-down/left-right ordered structure.
3. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
6. HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Factory Card Notes:
To identify all the items in the pack/carton. This loop should be repeated for each item.

Example:
HL*5*4*I

LIN Item Identification

<table>
<tr><td>Pos: 2670</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: HL</td><td>Elements: 7</td></tr>
</table>

User Option (Usage): Used

To specify basic item identification data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN01	350	**Assigned Identification**	O	AN	1/20	Used
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
LIN02	235	**Product/Service ID Qualifier**	M	ID	2/2	Must use
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				

Code   Name
CB   Buyer's Catalog Number
VC   Vendor's (Seller's) Catalog Number

LIN03	234	**Product/Service ID**	M	AN	1/48	Must use
		Description: Identifying number for a product or service				
LIN04	235	**Product/Service ID Qualifier**	C	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				

Code   Name
CB   Buyer's Catalog Number
VC   Vendor's (Seller's) Catalog Number

LIN05	234	**Product/Service ID**	C	AN	1/48	Used
		Description: Identifying number for a product or service				
LIN06	235	**Product/Service ID Qualifier**	C	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				

Code   Name
UP   U.P.C. Consumer Package Code (1-5-5-1)

LIN07	234	**Product/Service ID**	C	AN	1/48	Used
		Description: Identifying number for a product or service				

Syntax:
1. P0405 - If either LIN04,LIN05 is present, then all are required
2. P0607 - If either LIN06,LIN07 is present, then all are required
3. P0809 - If either LIN08,LIN09 is present, then all are required
4. P1011 - If either LIN10,LIN11 is present, then all are required
5. P1213 - If either LIN12,LIN13 is present, then all are required
6. P1415 - If either LIN14,LIN15 is present, then all are required
7. P1617 - If either LIN16,LIN17 is present, then all are required
8. P1819 - If either LIN18,LIN19 is present, then all are required
9. P2021 - If either LIN20,LIN21 is present, then all are required
10. P2223 - If either LIN22,LIN23 is present, then all are required
11. P2425 - If either LIN24,LIN25 is present, then all are required
12. P2627 - If either LIN26,LIN27 is present, then all are required
13. P2829 - If either LIN28,LIN29 is present, then all are required
14. P3031 - If either LIN30,LIN31 is present, then all are required

Semantics:
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.

Factory Card Notes:

Factory Card requires at least one valid identifier for the item

Example:

LIN*001*SK*123456*UP*123456789012

SN1   Item Detail (Shipment)

Pos: 2680	**Max: 1**
Detail - Optional	
Loop: HL	**Elements: 5**

User Option (Usage): Used

To specify line-item detail relative to shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SN101	350	**Assigned Identification**	O	AN	1/20	Used
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
SN102	382	**Number of Units Shipped**	M	R	1/10	Must use
		Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set				
SN103	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		Factory Card Notes: Should be same as specifed in Purchase order				

Code | Name
CA | Case
DZ | Dozen
EA | Each

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SN105	330	**Quantity Ordered**	C	R	1/15	Used
		Description: Quantity ordered				
SN106	355	**Unit or Basis for Measurement Code**	C	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		Factory Card Notes: This value should match the value sent as Unit of Measure for the line item in the Original PO				

Syntax:

1. P0506 - If either SN105,SN106 is present, then all are required

Semantics:

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

Comments:

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

Example:

SN1*001*100*EA**100*EA

PO4 Item Physical Details

<table>
<tr><td>Pos: 2710</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: HL</td><td>Elements: 3</td></tr>
</table>

User Option (Usage): Used

To specify the physical qualities, packaging, weights, and dimensions relating to the item

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO401	356	**Pack**	O	N0	1/6	Not used

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

| PO402 | 357 | **Size** | C | R | 1/8 | Used |

Description: Size of supplier units in pack

Factory Card Notes: If IT103 contains the code 'CA', then PO402 must contain the number of eaches in the Case.

| PO403 | 355 | **Unit or Basis for Measurement Code** | C | ID | 2/2 | Used |

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

Factory Card Notes: This is always 'EA' since we use PO402 to identify the size in Eaches in IT1 segment.

Code Name
EA   Each

Syntax:
1. P0203 - If either PO402,PO403 is present, then all are required
2. C0506 - If PO405 is present, then all of PO406 are required
3. P0607 - If either PO406,PO407 is present, then all are required
4. P0809 - If either PO408,PO409 is present, then all are required
5. C1013 - If PO410 is present, then all of PO413 are required
6. C1113 - If PO411 is present, then all of PO413 are required
7. C1213 - If PO412 is present, then all of PO413 are required
8. L13101112 - If PO413 is present, then at least one of PO410,PO411,PO412 is required
9. C1716 - If PO417 is present, then all of PO416 are required
10. C1804 - If PO418 is present, then all of PO404 are required

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

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

Factory Card Notes:
This segment will only be used when PO1 Segment's Element PO103 = 'CA', describing the number of Eaches in 'CA' above.

PID   Product/Item Description

<table>
<tr><td>Pos: 2720</td><td>Max: 200</td></tr>
<tr><td colspan="2" align="center">Detail - Optional</td></tr>
<tr><td>Loop: HL</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Used

To describe a product or process in coded or free-form format

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID01	349	**Item Description Type**	M	ID	1/1	Must use
		Description: Code indicating the format of a description				
		Code Name				
		F Free-form				
PID05	352	**Description**	C	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				

Syntax:
1. C0403 - If PID04 is present, then all of PID03 are required
2. R0405 - At least one of PID04,PID05 is required
3. C0703 - If PID07 is present, then all of PID03 are required
4. C0804 - If PID08 is present, then all of PID04 are required
5. C0905 - If PID09 is present, then all of PID05 are required

Semantics:
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.

Example:
PID*F****Product descripton

CTT   Transaction Totals

Pos: 0010	**Max: 1**
Summary - Optional	
Loop: N/A	**Elements: 1**

User Option (Usage): Used

To transmit a hash total for a specific element in the transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	**Number of Line Items**	M	N0	1/6	Must use
		Description: Total number of line items in the transaction set				

Syntax:
1. P0304 - If either CTT03,CTT04 is present, then all are required
2. P0506 - If either CTT05,CTT06 is present, then all are required

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

Example:
CTT*1

SE Transaction Set Trailer

Pos: 0020	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	**Number of Included Segments**	M	N0	1/10	Must use
		Description: Total number of segments included in a transaction set including ST and SE segments				
SE02	329	**Transaction Set Control Number**	M	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

Comments:

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

GE Functional Group Trailer

Pos:	**Max: 1**
Not Defined - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Must use

To indicate the end of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE01	97	**Number of Transaction Sets Included**	M	N0	1/6	Must use
		Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element				
GE02	28	**Group Control Number**	M	N0	1/9	Must use
		Description: Assigned number originated and maintained by the sender				

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

IEA Interchange Control Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Must use

To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IEA01	I16	**Number of Included Functional Groups**	M	N0	1/5	Must use
		Description: A count of the number of functional groups included in an interchange				
IEA02	I12	**Interchange Control Number**	M	N0	9/9	Must use
		Description: A control number assigned by the interchange sender				

Table of Contents