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856 v3030 Ship Notice/Manifest
Charming Shoppes Inc.   July 1998

Functional Group ID=SH

Introduction:

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

Notes:

CS only allows one Purchase Order per Shipment(ASN document)

Heading:

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

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - HL			1	
Must Use	010	HL	Hierarchical Level	M	1		c1
Must Use	030	SN1	Item Detail (Shipment)	O	1		
Must Use	020	PRF	Purchase Order Reference	O	1		
Must Use	012	PKG	Marking, Packaging, Loading	O	1		
	017	TD5	Carrier Details (Routing Sequence/Transit Time)	O	1		
	018	REF	Reference Numbers	O	4		
Must Use	015	DTM	Date/Time/Period	O	1		
Must Use	019	N1	Name	O	1		
Must Use	020	ITA	Allowance, Charge or Service	O	1		
			LOOP ID - HL			200000	
Must Use	010	HL	Hierarchical Level	M	1		c2

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Must Use	020	LIN	Item Identification	O	1		
Must Use	030	SN1	Item Detail (Shipment)	O	1		
Must Use	018	REF	Reference Numbers	O	1		
Must Use	020	ITA	Allowance, Charge or Service	O	1		
			LOOP ID - HL			200000	
Must Use	010	HL	Hierarchical Level	M	1		c3
Must Use	020	LIN	Item Identification	O	1		
Must Use	040	SLN	Subline Item Detail	O	7		
Must Use	050	PO4	Item Physical Details	O	1		
Must Use	012	PKG	Marking, Packaging, Loading	O	1		
	060	REF	Reference Numbers	O	100		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	CTT	Transaction Totals	M	1		n1
Must Use	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of HL segments. If used, hash total (CTT02) is the sum of the value of units shipped (SN102) for each SN1 segment.

Transaction Set Comments

1. The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
2. The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
3. The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.

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Segment:	**ST** Transaction Set Header
Position:	010
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) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:	

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Data Element Summary

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Ref. Des.	Data Element	Name	Attributes
>> **ST01**	**143**	**Transaction Set Identifier Code**	**M ID 3/3**
		Code uniquely identifying a Transaction Set	
		856 X12.10 Ship Notice/Manifest	
>> **ST02**	**329**	**Transaction Set Control Number**	**M AN 4/9**
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

Segment:	**BSN** Beginning Segment for Ship Notice
Position:	020
Loop:	
Level:	Heading:
Usage:	Mandatory
Max Use:	1
Purpose:	To transmit identifying numbers, dates, and other basic data relating to the transaction set
Syntax Notes:	**1** If BSN07 is present, then BSN06 is required.
Semantic Notes:	**1** BSN03 is the date the shipment transaction set is created.
	2 BSN04 is the time the shipment transaction set is created.
	3 BSN06 is limited to shipment related codes.
Comments:	**1** BSN06 and BSN07 differentiate the functionality of use for the transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
>>	**BSN01**	**353**	**Transaction Set Purpose Code**	**M**	**ID 2/2**
			Code identifying purpose of transaction set		
			Value will always = "00"		
			00 Original		
>>	**BSN02**	**396**	**Shipment Identification**	**M**	**AN 2/30**
			A unique control number assigned by the original shipper to identify a specific shipment		
			CS maxium length is 10 bytes		
>>	**BSN03**	**373**	**Date**	**M**	**DT 6/6**
			Date (YYMMDD)		
>>	**BSN04**	**337**	**Time**	**M**	**TM 4/6**
			Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)		
X	**BSN05**	**1005**	**Hierarchical Structure Code**	**O**	**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 Refer to 003030 Data Element Dictionary for acceptable code values.		
X	**BSN06**	**640**	**Transaction Type Code**	**X**	**ID 2/2**
			Code specifying the type of transaction		
			Refer to 003030 Data Element Dictionary for acceptable code values.		
X	**BSN07**	**641**	**Status Reason Code**	**O**	**ID 3/3**
			Code indicating the status reason		
			Refer to 003030 Data Element Dictionary for acceptable code values.		

Segment:	**HL** Hierarchical Level		
Position:	010		
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.	
	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
>>	**HL01**	628	**Hierarchical ID Number**	**M** AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
X	**HL02**	734	**Hierarchical Parent ID Number**	**O** AN 1/12
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	
>>	**HL03**	735	**Hierarchical Level Code**	**M** ID 1/2
			Code defining the characteristic of a level in a hierarchical structure	
			S Shipment	
X	**HL04**	736	**Hierarchical Child Code**	**O** ID 1/1
			Code indicating whether if there are hierarchical child data segments subordinate to the level being described.	
			Refer to 003030 Data Element Dictionary for acceptable code values.	

Segment:	**SN1** Item Detail (Shipment)
Position:	030
Loop:	HL Mandatory
Level:	Detail:
Usage:	Optional (Must Use)
Max Use:	1
Purpose:	To specify line-item detail relative to shipment
Syntax Notes:	1 If SN105 is present, then SN106 is required.
Semantic Notes:	1 SN101 is the ship notice line-item identification.
Comments:	1 SN103 defines the unit of measurement for both SN102 and SN104.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
X	SN101	350	**Assigned Identification**	O	AN	1/11
			Alphanumeric characters assigned for differentiation within a transaction set			
>>	SN102	382	**Number of Units Shipped**	M	R	1/10
			Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set			
			CS is requesting the Total Number of Cartons Shipped Max of 7 bytes			
>>	SN103	355	**Unit or Basis for Measurement Code**	M	ID	2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			CT Carton			
X	SN104	646	**Quantity Shipped to Date**	O	R	1/9
			Number of units shipped to date			
>>	SN105	330	**Number of Units Shipped**	O	R	1/9
			Quantity ordered			
			CS is requesting the Total Number of Pieces Shipped Max of 7 bytes			
>>	SN106	355	**Unit or Basis for Measurement Code**	X	ID	2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			EA Each			
X	SN107	728	**Returnable Container Load Make-Up Code**	O	ID	1/2
			Code identifying the load make-up of the returnable containers in the shipment			
			Refer to 003030 Data Element Dictionary for acceptable code values.			
X	SN108	668	**Line Item Status Code**	O	ID	2/2
			Code specifying the action taken by the seller on a line item requested by the buyer			
			Refer to 003030 Data Element Dictionary for acceptable code values.			

Segment:		**PRF** Purchase Order Reference	
Position:	020		
Loop:	HL	Mandatory	
Level:	Detail:		
Usage:	Optional (Must Use)		
Max Use:	1		
Purpose:	To provide reference to a specific purchase order		
Syntax Notes:			
Semantic Notes:			
Comments:			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	PRF01	324	**Purchase Order Number**	M AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser	
			This should be Turned Around from the BEG-03	
X	PRF02	328	**Release Number**	O AN 1/30
			Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	
X	PRF03	327	**Change Order Sequence Number**	O AN 1/8
			Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set	
X	PRF04	323	**Purchase Order Date**	O DT 6/6
			Date assigned by the purchaser to Purchase Order	
X	PRF05	350	**Assigned Identification**	O AN 1/11
			Alphanumeric characters assigned for differentiation within a transaction set	
X	PRF06	367	**Contract Number**	O AN 1/30
			Contract number	
X	PRF07	92	**Purchase Order Type Code**	O ID 2/2
			Code specifying the type of Purchase Order	
			Refer to 003030 Data Element Dictionary for acceptable code values.	

Segment:	**PKG** Marking, Packaging, Loading
Position:	012
Loop:	HL Mandatory
Level:	Detail:
Usage:	Optional (Must Use)
Max Use:	1
Purpose:	To describe marking, packaging, loading, and unloading requirements

Syntax Notes:	**1**	At least one of PKG04 PKG05 or PKG06 is required.
	2	If PKG04 is present, then PKG01 is required.
	3	If PKG05 is present, then PKG01 is required.
Semantic Notes:	**1**	PKG04 should be used for industry-specific packaging description codes.
Comments:	**1**	Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
	2	If PKG01 = ``F'', then PKG05 is used. If PKG01 = ``S'', then PKG04 is used. If PKG01 = ``X'', then both PKG04 and PKG05 are used.
	3	Use PKG03 to indicate the organization that publishes the code list being referred to.
	4	Special marking or tagging data can be given in PKG05 (description).

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	**PKG01**	**349**	**Item Description Type**	**X**	**ID 1/1**
			Code indicating the format of a description		
			X Semi-structured (Code and Text)		
X	**PKG02**	**753**	**Packaging Characteristic Code**	**O**	**ID 1/5**
			Code specifying the marking, packaging, loading and related characteristics being described		
			Refer to 003030 Data Element Dictionary for acceptable code values.		
X	**PKG03**	**559**	**Agency Qualifier Code**	**O**	**ID 2/2**
			Code identifying the agency assigning the code values		
			Refer to 003030 Data Element Dictionary for acceptable code values.		
>>	**PKG04**	**754**	**Packaging Description Code**	**X**	**AN 1/7**
			A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product		
			This should be Turned Around from the PKG-04 when PKG-01=X		
X	**PKG05**	**352**	**Description**	**X**	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
X	**PKG06**	**400**	**Unit Load Option Code**	**X**	**ID 2/2**
			Code identifying loading or unloading a shipment		
			Refer to 003030 Data Element Dictionary for acceptable code values.		

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Segment:	**TD5** Carrier Details (Routing Sequence/Transit Time)	
Position:	017	
Loop:	HL	Mandatory
Level:	Detail:	
Usage:	Optional	
Max Use:	1	
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.
Semantic Notes:		
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	
X	TD501	133	**Routing Sequence Code**	O	ID 1/2
			Code describing the relationship of a carrier to a specific shipment movement		
			Refer to 003030 Data Element Dictionary for acceptable code values.		
	TD502	66	**Identification Code Qualifier**	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			2 Standard Carrier Alpha Code (SCAC)		
	TD503	67	**Identification Code**	X	AN 2/17
			Code identifying a party or other code		
X	TD504	91	**Transportation Method/Type Code**	X	ID 1/2
			Code specifying the method or type of transportation for the shipment		
			Refer to 003030 Data Element Dictionary for acceptable code values.		
X	TD505	387	**Routing**	X	AN 1/35
			Free-form description of the routing or requested routing for shipment, or the originating carrier's identity		
X	TD506	368	**Shipment/Order Status Code**	X	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 003030 Data Element Dictionary for acceptable code values.		
X	TD507	309	**Location Qualifier**	O	ID 1/2
			Code identifying type of location		
			Refer to 003030 Data Element Dictionary for acceptable code values.		
X	TD508	310	**Location Identifier**	X	AN 1/25
			Code which identifies a specific location		
X	TD509	731	**Transit Direction Code**	O	ID 2/2
			The point of origin and point of direction		
			Refer to 003030 Data Element Dictionary for acceptable code values.		
X	TD510	732	**Transit Time Direction Qualifier**	O	ID 2/2

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

Refer to 003030 Data Element Dictionary for acceptable code values.

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

The numeric amount of transit time

| X | TD512 | 284 | **Service Level Code** | X | ID 2/2 |

Code defining service

Refer to 003030 Data Element Dictionary for acceptable code values.

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Segment:	**REF** Reference Numbers	
Position:	018	
Loop:	HL	Mandatory
Level:	Detail:	
Usage:	Optional	
Max Use:	4	
Purpose:	To specify identifying numbers.	
Syntax Notes:	**1** At least one of REF02 or REF03 is required.	
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**REF01**	**128**	**Reference Number Qualifier**	**M ID 2/2**

Code qualifying the Reference Number.

	SQ	Container Sequence Number
	SU	Special Processing Code
		Unique code identifying the special handling requirements for the claim

	Ref. Des.	Data Element	Name	Attributes
>>	**REF02**	**127**	**Reference Number**	**X AN 1/30**

Reference number or identification number as defined for a particular
Transaction Set, or as specified by the Reference Number Qualifier.

IF Direct To DC
   Then REF01 = "ZZ" and REF02 = "DDC"
IF Pick Up At Vendor
   Then REF01 = "ZZ" and REF02 = "PUV"
IF Pick Up Next Day
   Then REF01 = "ZZ" and REF02 = "PND"
IF Special Hanger (Should be a turnaround from REF-02, REF-01=SU)
   Then REF01 = "SU" and REF02 = "Y"

	Ref. Des.	Data Element	Name	Attributes
X	**REF03**	**352**	**Description**	**X AN 1/80**

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

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Segment:	**DTM** Date/Time/Period
Position:	015
Loop:	HL Mandatory
Level:	Detail:
Usage:	Optional (Must Use)
Max Use:	1
Purpose:	To specify pertinent dates and times
Syntax Notes:	**1** At least one of DTM02 or DTM03 is required.
Semantic Notes:	
Comments:	
Notes:	Invoice Date and Century are required (DTM-01 = "187")

If Pick Up At Vendor
    Then you must supply 2 DTM's (one DTM-01= "248", second DTM-01= "249) |

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	**DTM01**	**374**	**Date/Time Qualifier**	**M**	**ID 3/3**

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

248	Finish no later than	
	Fixed finish date for a task or activity - cannot end after this date	
249	Finish no earlier than	
	Fixed finish date for a task or activity - cannot end before this date	
252	Early Start	
	The earliest date a task or activity can begin	

	Ref. Des.	Data Element	Name	Attributes	
	DTM02	**373**	**Date**	**X**	**DT 6/6**

Date (YYMMDD)

IF DTM-01 = "187"
    then this element is Required

	Ref. Des.	Data Element	Name	Attributes	
	DTM03	**337**	**Time**	**X**	**TM 4/6**

Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)

IF DTM-01 = "248" or DTM-01 = "249"
    then this element is Required

HHMM format only

	Ref. Des.	Data Element	Name	Attributes	
X	**DTM04**	**623**	**Time Code**	**O**	**ID 2/2**

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 003030 Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name	Attributes	
	DTM05	**624**	**Century**	**O**	**N0 2/2**

The first two characters in the designation of the year (CCYY)

IF DTM-01 = "187"
    then this element is Required

Segment:	**N1** Name
Position:	019
Loop:	HL Mandatory
Level:	Detail:
Usage:	Optional (Must Use)
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	**N101**	**98**	**Entity Identifier Code**	**M**	**ID 2/2**
			Code identifying an organizational entity, a physical location, or an individual		
			PU Party at Pick-up Location		
			ST Ship To		
			VN Vendor		
X	**N102**	**93**	**Name**	**X**	**AN 1/35**
			Free-form name		
>>	**N103**	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			92 Assigned by Buyer or Buyer's Agent		
>>	**N104**	**67**	**Identification Code**	**X**	**AN 2/17**
			Code identifying a party or other code		

IF Wharehouse destination (Max 4 Bytes)
    then N1-01 = "ST"
IF Vendor Number
    then N1-01 = "VN" (Should Turn Around from N1-04 when N1-01 = "VN")
IF Pick Up at Vendor
    then N1-01 = "PU" (See CS Vendor Communications for 2 byte code)

Segment:	**ITA** Allowance, Charge or Service		
Position:	020		
Loop:	HL	Mandatory	
Level:	Detail:		
Usage:	Optional (Must Use)		
Max Use:	1		
Purpose:	To specify allowances, charges, or services		
Syntax Notes:	1	If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.	
	2	If ITA08 is present, then ITA09 is required.	
	3	If ITA10 is present, then ITA11 is required.	
	4	If ITA15 is present, then ITA02 is required.	
Semantic Notes:	1	ITA12 is the quantity of free goods.	
Comments:	1	If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present.	
	2	ITA02 identifies the source of the code value in ITA03 or ITA15.	
	3	If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.	
	4	ITA13 is used to clarify the allowance, charge, or service.	
	5	ITA15 specifies the individual code list of the agency specified in ITA02.	
	6	ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	ITA01	248	**Allowance or Charge Indicator** Code which indicates an allowance or charge for the service specified	M ID 1/1
			C Charge	
X	ITA02	559	**Agency Qualifier Code** Code identifying the agency assigning the code values	X ID 2/2
			Refer to 003030 Data Element Dictionary for acceptable code values.	
X	ITA03	560	**Special Services Code** Code identifying the special service	X ID 2/10
			Refer to 003030 Data Element Dictionary for acceptable code values.	
>>	ITA04	331	**Allowance or Charge Method of Handling Code** Code indicating method of handling for an allowance or charge	M ID 2/2
			02 Off Invoice	
X	ITA05	341	**Allowance or Charge Number** The number assigned by a vendor referencing an allowance, promotion, deal or charge	O AN 1/16
X	ITA06	359	**Allowance or Charge Rate** Allowance or Charge Rate per Unit	O R 1/9
>>	ITA07	360	**Allowance or Charge Total Amount** Total dollar amount for the allowance or charge	O N2 1/9
			This is the Total Amount on the Invoice Max of 7 whole numbers and 2 decimal places	
X	ITA08	378	**Allowance/Charge Percent Qualifier** Code indicating on what basis allowance or charge percent is calculated	O ID 1/1
			Refer to 003030 Data Element Dictionary for acceptable code values.	

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| X | **ITA09** | **332** | **Allowance or Charge Percent** | X | R | 1/6 |

Allowance or charge expressed as a percent.

| X | **ITA10** | **339** | **Allowance or Charge Quantity** | O | R | 1/10 |

Quantity basis when allowance or charge quantity is different from the
purchase order or invoice quantity

| X | **ITA11** | **355** | **Unit or Basis for Measurement Code** | X | ID 2/2 |

Code specifying the units in which a value is being expressed, or manner in
which a measurement has been taken
Refer to 003030 Data Element Dictionary for acceptable code values.

| X | **ITA12** | **380** | **Quantity** | O | R | 1/15 |

Numeric value of quantity

| X | **ITA13** | **352** | **Description** | X | AN 1/80 |

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

| X | **ITA14** | **150** | **Special Charge or Allowance Code** | X | ID 3/3 |

Code identifying type of special charge or allowance

Refer to 003030 Data Element Dictionary for acceptable code values.

| X | **ITA15** | **822** | **Source Subqualifier** | O | AN 1/15 |

A reference that indicates the table or text maintained by the Source Qualifier

| X | **ITA16** | **662** | **Relationship Code** | O | ID 1/1 |

Code indicating the relationship of the price or amount to the associated
segment.
Refer to 003030 Data Element Dictionary for acceptable code values.

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Segment:	**HL** Hierarchical Level
Position:	010
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.
	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
>>	**HL01**	628	**Hierarchical ID Number**	**M AN 1/12**
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
X	**HL02**	734	**Hierarchical Parent ID Number**	**O AN 1/12**
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	
>>	**HL03**	735	**Hierarchical Level Code**	**M ID 1/2**
			Code defining the characteristic of a level in a hierarchical structure	
			I Item	
X	**HL04**	736	**Hierarchical Child Code**	**O ID 1/1**
			Code indicating whether if there are hierarchical child data segments subordinate to the level being described.	
			Refer to 003030 Data Element Dictionary for acceptable code values.	

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Segment:	**LIN** Item Identification	
Position:	020	
Loop:	HL	Mandatory
Level:	Detail:	
Usage:	Optional (Must Use)	
Max Use:	1	
Purpose:	To specify basic item identification data	

Syntax Notes:	**1**	If LIN04 is present, then LIN05 is required.
	2	If LIN06 is present, then LIN07 is required.
	3	If LIN08 is present, then LIN09 is required.
	4	If LIN10 is present, then LIN11 is required.
	5	If LIN12 is present, then LIN13 is required.
	6	If LIN14 is present, then LIN15 is required.
	7	If LIN16 is present, then LIN17 is required.
	8	If LIN18 is present, then LIN19 is required.
	9	If LIN20 is present, then LIN21 is required.
	10	If LIN22 is present, then LIN23 is required.
	11	If LIN24 is present, then LIN25 is required.
	12	If LIN26 is present, then LIN27 is required.
	13	If LIN28 is present, then LIN29 is required.
	14	If LIN30 is present, then LIN31 is required.
Semantic Notes:	**1**	LIN01 is the line item identification
Comments:	**1**	See the Data Dictionary for a complete list of ID's.
	2	LIN02 through LIN31 provide for fifteen (15) different product/service ID's for each item. For Example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
X	LIN01	350	**Assigned Identification**	O	AN 1/11
			Alphanumeric characters assigned for differentiation within a transaction set		
>>	LIN02	235	**Product/Service ID Qualifier**	M	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			BP Buyer's Part Number		
>>	LIN03	234	**Product/Service ID**	M	AN 1/30
			Identifying number for a product or service		
			This should be turned around from the P01-11 wher PO1-10 = ST		
X	LIN04	235	**Product/Service ID Qualifier**	O	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			Refer to 003030 Data Element Dictionary for acceptable code values.		
X	LIN05	234	**Product/Service ID**	X	AN 1/30
			Identifying number for a product or service		
X	LIN06	235	**Product/Service ID Qualifier**	O	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			Refer to 003030 Data Element Dictionary for acceptable code values.		
X	LIN07	234	**Product/Service ID**	X	AN 1/30

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			Identifying number for a product or service		
X	LIN08	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003030 Data Element Dictionary for acceptable code values.	O	ID 2/2
X	LIN09	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/30
X	LIN10	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003030 Data Element Dictionary for acceptable code values.	O	ID 2/2
X	LIN11	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/30
X	LIN12	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003030 Data Element Dictionary for acceptable code values.	O	ID 2/2
X	LIN13	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/30
X	LIN14	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003030 Data Element Dictionary for acceptable code values.	O	ID 2/2
X	LIN15	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/30
X	LIN16	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003030 Data Element Dictionary for acceptable code values.	O	ID 2/2
X	LIN17	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/30
X	LIN18	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003030 Data Element Dictionary for acceptable code values.	O	ID 2/2
X	LIN19	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/30
X	LIN20	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003030 Data Element Dictionary for acceptable code values.	O	ID 2/2
X	LIN21	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/30
X	LIN22	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003030 Data Element Dictionary for acceptable code values.	O	ID 2/2
X	LIN23	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/30
X	LIN24	235	**Product/Service ID Qualifier**	O	ID 2/2

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			Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003030 Data Element Dictionary for acceptable code values.		
X	**LIN25**	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/30**
X	**LIN26**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003030 Data Element Dictionary for acceptable code values.	**O**	**ID 2/2**
X	**LIN27**	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/30**
X	**LIN28**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003030 Data Element Dictionary for acceptable code values.	**O**	**ID 2/2**
X	**LIN29**	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/30**
X	**LIN30**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003030 Data Element Dictionary for acceptable code values.	**O**	**ID 2/2**
X	**LIN31**	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/30**

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Segment:	**SN1** Item Detail (Shipment)		
Position:	030		
Loop:	HL	Mandatory	
Level:	Detail:		
Usage:	Optional (Must Use)		
Max Use:	1		
Purpose:	To specify line-item detail relative to shipment		
Syntax Notes:	**1**	If SN105 is present, then SN106 is required.	
Semantic Notes:	**1**	SN101 is the ship notice line-item identification.	
Comments:	**1**	SN103 defines the unit of measurement for both SN102 and SN104.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
X	**SN101**	**350**	**Assigned Identification**	**O**	**AN 1/11**	
			Alphanumeric characters assigned for differentiation within a transaction set			
>>	**SN102**	**382**	**Number of Units Shipped**	**M**	**R**	**1/10**
			Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set			
			CS is requesting the Total Number of Cartons Shipped for this ITEM Max of 7 bytes			
>>	**SN103**	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**	
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			CT Carton			
X	**SN104**	**646**	**Quantity Shipped to Date**	**O**	**R**	**1/9**
			Number of units shipped to date			
>>	**SN105**	**330**	**Number of Units Shipped**	**O**	**R**	**1/9**
			Quantity ordered			
			CS is requesting the Total Number of Pieces Shipped for this ITEM Max of 7 bytes			
>>	**SN106**	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**	
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			EA Each			
X	**SN107**	**728**	**Returnable Container Load Make-Up Code**	**O**	**ID 1/2**	
			Code identifying the load make-up of the returnable containers in the shipment			
			Refer to 003030 Data Element Dictionary for acceptable code values.			
X	**SN108**	**668**	**Line Item Status Code**	**O**	**ID 2/2**	
			Code specifying the action taken by the seller on a line item requested by the buyer			
			Refer to 003030 Data Element Dictionary for acceptable code values.			

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Segment:	**REF** Reference Numbers
Position:	018
Loop:	HL Mandatory
Level:	Detail:
Usage:	Optional (Must Use)
Max Use:	1
Purpose:	To specify identifying numbers.
Syntax Notes:	1 At least one of REF02 or REF03 is required.
Semantic Notes:	
Comments:	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
>>	REF01	128	**Reference Number Qualifier** M ID 2/2

Code qualifying the Reference Number.

     TY   Policy Type

                 The type of policy being billed; examples of policy type include Package Policy and Forced Placed

| >> | REF02 | 127 | **Reference Number**   X   AN 1/30 |

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

This element should only use 1 byte to identify if there are tickets are the garments for this ITEM.

     "Y" = All items are ticketed

     "P" = Partial items are ticketed

     "N" = No items are ticketed

| X | REF03 | 352 | **Description**   X   AN 1/80 |

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

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Segment:	**ITA** Allowance, Charge or Service	
Position:	020	
Loop:	HL	Mandatory
Level:	Detail:	
Usage:	Optional (Must Use)	
Max Use:	1	
Purpose:	To specify allowances, charges, or services	

Syntax Notes:
1. If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.
2. If ITA08 is present, then ITA09 is required.
3. If ITA10 is present, then ITA11 is required.
4. If ITA15 is present, then ITA02 is required.

Semantic Notes:
1. ITA12 is the quantity of free goods.

Comments:
1. If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present.
2. ITA02 identifies the source of the code value in ITA03 or ITA15.
3. If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
4. ITA13 is used to clarify the allowance, charge, or service.
5. ITA15 specifies the individual code list of the agency specified in ITA02.
6. ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	ITA01	248	**Allowance or Charge Indicator**	M	ID 1/1
			Code which indicates an allowance or charge for the service specified		
			C Charge		
X	ITA02	559	**Agency Qualifier Code**	X	ID 2/2
			Code identifying the agency assigning the code values		
			Refer to 003030 Data Element Dictionary for acceptable code values.		
X	ITA03	560	**Special Services Code**	X	ID 2/10
			Code identifying the special service		
			Refer to 003030 Data Element Dictionary for acceptable code values.		
>>	ITA04	331	**Allowance or Charge Method of Handling Code**	M	ID 2/2
			Code indicating method of handling for an allowance or charge		
			02 Off Invoice		
X	ITA05	341	**Allowance or Charge Number**	O	AN 1/16
			The number assigned by a vendor referencing an allowance, promotion, deal or charge		
X	ITA06	359	**Allowance or Charge Rate**	O	R 1/9
			Allowance or Charge Rate per Unit		
>>	ITA07	360	**Allowance or Charge Total Amount**	O	N2 1/9
			Total dollar amount for the allowance or charge		
			This is the Total Amount on this LINE ITEM		
			Max of 7 whole numbers and 2 decimal places		
X	ITA08	378	**Allowance/Charge Percent Qualifier**	O	ID 1/1
			Code indicating on what basis allowance or charge percent is calculated		
			Refer to 003030 Data Element Dictionary for acceptable code values.		

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| X | **ITA09** | **332** | **Allowance or Charge Percent** | X | R | 1/6 |

Allowance or charge expressed as a percent.

| X | **ITA10** | **339** | **Allowance or Charge Quantity** | O | R | 1/10 |

Quantity basis when allowance or charge quantity is different from the
purchase order or invoice quantity

| X | **ITA11** | **355** | **Unit or Basis for Measurement Code** | X | ID 2/2 |

Code specifying the units in which a value is being expressed, or manner in
which a measurement has been taken
Refer to 003030 Data Element Dictionary for acceptable code values.

| X | **ITA12** | **380** | **Quantity** | O | R | 1/15 |

Numeric value of quantity

| X | **ITA13** | **352** | **Description** | X | AN 1/80 |

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

| X | **ITA14** | **150** | **Special Charge or Allowance Code** | X | ID 3/3 |

Code identifying type of special charge or allowance

Refer to 003030 Data Element Dictionary for acceptable code values.

| X | **ITA15** | **822** | **Source Subqualifier** | O | AN 1/15 |

A reference that indicates the table or text maintained by the Source Qualifier

| X | **ITA16** | **662** | **Relationship Code** | O | ID 1/1 |

Code indicating the relationship of the price or amount to the associated
segment.
Refer to 003030 Data Element Dictionary for acceptable code values.

Segment:	**HL** Hierarchical Level
Position:	010
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.
	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:	This level will repeat based on the Color and Pack per Item

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**HL01**	**628**	**Hierarchical ID Number**	**M AN 1/12**
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
X	**HL02**	**734**	**Hierarchical Parent ID Number**	**O AN 1/12**
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	
>>	**HL03**	**735**	**Hierarchical Level Code**	**M ID 1/2**
			Code defining the characteristic of a level in a hierarchical structure	
			P Pack	
X	**HL04**	**736**	**Hierarchical Child Code**	**O ID 1/1**
			Code indicating whether if there are hierarchical child data segments subordinate to the level being described. Refer to 003030 Data Element Dictionary for acceptable code values.	

Segment:	**LIN** Item Identification	
Position:	020	
Loop:	HL	Mandatory
Level:	Detail:	
Usage:	Optional (Must Use)	
Max Use:	1	
Purpose:	To specify basic item identification data	

Syntax Notes:	**1**	If LIN04 is present, then LIN05 is required.
	2	If LIN06 is present, then LIN07 is required.
	3	If LIN08 is present, then LIN09 is required.
	4	If LIN10 is present, then LIN11 is required.
	5	If LIN12 is present, then LIN13 is required.
	6	If LIN14 is present, then LIN15 is required.
	7	If LIN16 is present, then LIN17 is required.
	8	If LIN18 is present, then LIN19 is required.
	9	If LIN20 is present, then LIN21 is required.
	10	If LIN22 is present, then LIN23 is required.
	11	If LIN24 is present, then LIN25 is required.
	12	If LIN26 is present, then LIN27 is required.
	13	If LIN28 is present, then LIN29 is required.
	14	If LIN30 is present, then LIN31 is required.
Semantic Notes:	**1**	LIN01 is the line item identification
Comments:	**1**	See the Data Dictionary for a complete list of ID's.
	2	LIN02 through LIN31 provide for fifteen (15) different product/service ID's for each item. For Example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
X	LIN01	350	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set	O	AN 1/11
>>	LIN02	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) CL Color	M	ID 2/2
>>	LIN03	234	**Product/Service ID** Identifying number for a product or service This element should be turned around from the P01-13 where PO1-12 = CL	M	AN 1/30
X	LIN04	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 003030 Data Element Dictionary for acceptable code values.	O	ID 2/2
X	LIN05	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/30
X	LIN06	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O	ID 2/2

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Refer to 003030 Data Element Dictionary for acceptable code values.

X	LIN07	234	**Product/Service ID**	X	AN 1/30

Identifying number for a product or service

X	LIN08	235	**Product/Service ID Qualifier**	O	ID 2/2

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)
Refer to 003030 Data Element Dictionary for acceptable code values.

X	LIN09	234	**Product/Service ID**	X	AN 1/30

Identifying number for a product or service

X	LIN10	235	**Product/Service ID Qualifier**	O	ID 2/2

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)
Refer to 003030 Data Element Dictionary for acceptable code values.

X	LIN11	234	**Product/Service ID**	X	AN 1/30

Identifying number for a product or service

X	LIN12	235	**Product/Service ID Qualifier**	O	ID 2/2

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)
Refer to 003030 Data Element Dictionary for acceptable code values.

X	LIN13	234	**Product/Service ID**	X	AN 1/30

Identifying number for a product or service

X	LIN14	235	**Product/Service ID Qualifier**	O	ID 2/2

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)
Refer to 003030 Data Element Dictionary for acceptable code values.

X	LIN15	234	**Product/Service ID**	X	AN 1/30

Identifying number for a product or service

X	LIN16	235	**Product/Service ID Qualifier**	O	ID 2/2

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)
Refer to 003030 Data Element Dictionary for acceptable code values.

X	LIN17	234	**Product/Service ID**	X	AN 1/30

Identifying number for a product or service

X	LIN18	235	**Product/Service ID Qualifier**	O	ID 2/2

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)
Refer to 003030 Data Element Dictionary for acceptable code values.

X	LIN19	234	**Product/Service ID**	X	AN 1/30

Identifying number for a product or service

X	LIN20	235	**Product/Service ID Qualifier**	O	ID 2/2

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)
Refer to 003030 Data Element Dictionary for acceptable code values.

X	LIN21	234	**Product/Service ID**	X	AN 1/30

Identifying number for a product or service

X	LIN22	235	**Product/Service ID Qualifier**	O	ID 2/2

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)
Refer to 003030 Data Element Dictionary for acceptable code values.

X	LIN23	234	**Product/Service ID**	X	AN 1/30

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Identifying number for a product or service

X	**LIN24**	235	**Product/Service ID Qualifier**	O	**ID 2/2**

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)
Refer to 003030 Data Element Dictionary for acceptable code values.

X	**LIN25**	234	**Product/Service ID**	X	**AN 1/30**

Identifying number for a product or service

X	**LIN26**	235	**Product/Service ID Qualifier**	O	**ID 2/2**

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)
Refer to 003030 Data Element Dictionary for acceptable code values.

X	**LIN27**	234	**Product/Service ID**	X	**AN 1/30**

Identifying number for a product or service

X	**LIN28**	235	**Product/Service ID Qualifier**	O	**ID 2/2**

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)
Refer to 003030 Data Element Dictionary for acceptable code values.

X	**LIN29**	234	**Product/Service ID**	X	**AN 1/30**

Identifying number for a product or service

X	**LIN30**	235	**Product/Service ID Qualifier**	O	**ID 2/2**

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)
Refer to 003030 Data Element Dictionary for acceptable code values.

X	**LIN31**	234	**Product/Service ID**	X	**AN 1/30**

Identifying number for a product or service

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Segment:	**SLN** Subline Item Detail
Position:	040
Loop:	HL Mandatory
Level:	Detail:
Usage:	Optional (Must Use)
Max Use:	7
Purpose:	To specify product subline detail item data

Syntax Notes:
1 If SLN07 is present, then SLN06 is required.
2 If SLN08 is present, then SLN06 is required.
3 If SLN09 is present, then SLN10 is required.
4 If SLN11 is present, then SLN12 is required.
5 If SLN13 is present, then SLN14 is required.
6 If SLN15 is present, then SLN16 is required.
7 If SLN17 is present, then SLN18 is required.
8 If SLN19 is present, then SLN20 is required.
9 If SLN21 is present, then SLN22 is required.
10 If SLN23 is present, then SLN24 is required.
11 If SLN25 is present, then SLN26 is required.
12 If SLN27 is present, then SLN28 is required.

Semantic Notes:
1 SLN01 is the identifying number for the subline item.
2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.

Comments:
1 See the Data Dictionary for a complete list of ID's.
2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
3 SLN09 through SLN28 provide for ten (10) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Notes: One occurance for each Size Code (should match the number of occurances of PO3 from the 850 document where PO3-01 = "SC")

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	SLN01	350	**Assigned Identification**	M AN 1/11
			Alphanumeric characters assigned for differentiation within a transaction set	
			This element is used to identify the Size Code and should be turned around from PO3-08 where PO3-01 = SC	
X	SLN02	350	**Assigned Identification**	O AN 1/11
			Alphanumeric characters assigned for differentiation within a transaction set	
>>	SLN03	661	**Configuration Code**	M ID 1/1
			Code indicating the relationship of the subline item to the baseline item.	
			I Included	
>>	SLN04	380	**Quantity**	M R 1/15
			Numeric value of quantity	
			This will be the Total Quantity not the ration delivered in the P03 segment of the Purchase Order	
>>	SLN05	355	**Unit or Basis for Measurement Code**	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	

			EA	Each			

X	SLN06	212	**Unit Price**		X	R	1/14

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

X	SLN07	639	**Basis of Unit Price Code**	O	ID 2/2

Code identifying the type of unit price for an item

Refer to 003030 Data Element Dictionary for acceptable code values.

X	SLN08	662	**Relationship Code**	O	ID 1/1

Code indicating the relationship of the price or amount to the associated segment.
Refer to 003030 Data Element Dictionary for acceptable code values.

X	SLN09	235	**Product/Service ID Qualifier**	O	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 003030 Data Element Dictionary for acceptable code values.

X	SLN10	234	**Product/Service ID**	X	AN 1/30

Identifying number for a product or service

X	SLN11	235	**Product/Service ID Qualifier**	O	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 003030 Data Element Dictionary for acceptable code values.

X	SLN12	234	**Product/Service ID**	X	AN 1/30

Identifying number for a product or service

X	SLN13	235	**Product/Service ID Qualifier**	O	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 003030 Data Element Dictionary for acceptable code values.

X	SLN14	234	**Product/Service ID**	X	AN 1/30

Identifying number for a product or service

X	SLN15	235	**Product/Service ID Qualifier**	O	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 003030 Data Element Dictionary for acceptable code values.

X	SLN16	234	**Product/Service ID**	X	AN 1/30

Identifying number for a product or service

X	SLN17	235	**Product/Service ID Qualifier**	O	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 003030 Data Element Dictionary for acceptable code values.

X	SLN18	234	**Product/Service ID**	X	AN 1/30

Identifying number for a product or service

X	SLN19	235	**Product/Service ID Qualifier**	O	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 003030 Data Element Dictionary for acceptable code values.

X	SLN20	234	**Product/Service ID**	X	AN 1/30

Identifying number for a product or service

X	SLN21	235	**Product/Service ID Qualifier**	O	ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 003030 Data Element Dictionary for acceptable code values.

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X	**SLN22**	**234**	**Product/Service ID**	X	**AN 1/30**
			Identifying number for a product or service		
X	**SLN23**	**235**	**Product/Service ID Qualifier**	O	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			Refer to 003030 Data Element Dictionary for acceptable code values.		
X	**SLN24**	**234**	**Product/Service ID**	X	**AN 1/30**
			Identifying number for a product or service		
X	**SLN25**	**235**	**Product/Service ID Qualifier**	O	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			Refer to 003030 Data Element Dictionary for acceptable code values.		
X	**SLN26**	**234**	**Product/Service ID**	X	**AN 1/30**
			Identifying number for a product or service		
X	**SLN27**	**235**	**Product/Service ID Qualifier**	O	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			Refer to 003030 Data Element Dictionary for acceptable code values.		
X	**SLN28**	**234**	**Product/Service ID**	X	**AN 1/30**
			Identifying number for a product or service		

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Segment:	**PO4** Item Physical Details	
Position:	050	
Loop:	HL	Mandatory
Level:	Detail:	
Usage:	Optional (Must Use)	
Max Use:	1	
Purpose:	To specify the physical qualities, packaging, weights, and dimensions relating to the item	

Syntax Notes:	**1**	If PO402 is present, then PO403 is required.
	2	If PO405 is present, then PO406 is required.
	3	If PO406 is present, then PO407 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.

Semantic Notes:

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

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	**PO401**	**356**	**Pack**	**O**	**N0 1/6**
			Number of inner pack units per outer pack unit		
			Should be turned around from the PO4-01		
>>	**PO402**	**357**	**Size**	**O**	**R 1/8**
			Size of supplier units in pack		
			Should be turned around from the PO4-02		
			However this may need to be changed by the Vendor		
>>	**PO403**	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			EA Each		
X	**PO404**	**103**	**Packaging Code**	**O**	**AN 5/5**
			Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material		
			Refer to 003030 Data Element Dictionary for acceptable code values.		
X	**PO405**	**187**	**Weight Qualifier**	**O**	**ID 1/2**
			Code defining the type of weight		
			Refer to 003030 Data Element Dictionary for acceptable code values.		
X	**PO406**	**384**	**Gross Weight per Pack**	**X**	**R 1/9**
			Numeric value of gross weight per pack		
X	**PO407**	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		

Refer to 003030 Data Element Dictionary for acceptable code values.

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

Numeric value of gross volume per pack

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

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
Refer to 003030 Data Element Dictionary for acceptable code values.

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

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

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

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

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

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

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

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
Refer to 003030 Data Element Dictionary for acceptable code values.

Segment:	**PKG** Marking, Packaging, Loading	
Position:	012	
Loop:	HL Mandatory	
Level:	Detail:	
Usage:	Optional (Must Use)	
Max Use:	1	
Purpose:	To describe marking, packaging, loading, and unloading requirements	

Syntax Notes:	**1**	At least one of PKG04 PKG05 or PKG06 is required.
	2	If PKG04 is present, then PKG01 is required.
	3	If PKG05 is present, then PKG01 is required.
Semantic Notes:	**1**	PKG04 should be used for industry-specific packaging description codes.
Comments:	**1**	Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
	2	If PKG01 = ``F'', then PKG05 is used. If PKG01 = ``S'', then PKG04 is used. If PKG01 = ``X'', then both PKG04 and PKG05 are used.
	3	Use PKG03 to indicate the organization that publishes the code list being referred to.
	4	Special marking or tagging data can be given in PKG05 (description).

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	**PKG01**	**349**	**Item Description Type**	**X**	**ID 1/1**
			Code indicating the format of a description		
			F Free-form		
X	**PKG02**	**753**	**Packaging Characteristic Code**	**O**	**ID 1/5**
			Code specifying the marking, packaging, loading and related characteristics being described		
			Refer to 003030 Data Element Dictionary for acceptable code values.		
X	**PKG03**	**559**	**Agency Qualifier Code**	**O**	**ID 2/2**
			Code identifying the agency assigning the code values		
			Refer to 003030 Data Element Dictionary for acceptable code values.		
>>	**PKG04**	**754**	**Packaging Description Code**	**X**	**AN 1/7**
			A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product		
			This element should be turned around from the PKG-04 where PKG-01 = "F" and PKG-02 = "36"		
>>	**PKG05**	**352**	**Description**	**X**	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
			This element should be turned around from the PKG-05 where PKG-01 = "X"		
X	**PKG06**	**400**	**Unit Load Option Code**	**X**	**ID 2/2**
			Code identifying loading or unloading a shipment		
			Refer to 003030 Data Element Dictionary for acceptable code values.		

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Segment:	**REF** Reference Numbers
Position:	060
Loop:	HL Mandatory
Level:	Detail:
Usage:	Optional
Max Use:	100
Purpose:	To specify identifying numbers.
Syntax Notes:	1 At least one of REF02 or REF03 is required.
Semantic Notes:	
Comments:	
Notes:	This segment is used to relay any Notes in regards to the Pack or Color.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**REF01**	**128**	**Reference Number Qualifier**	**M ID 2/2**
			Code qualifying the Reference Number.	
			ZZ Mutually Defined	
	REF02	**127**	**Reference Number**	**X AN 1/30**
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	
X	**REF03**	**352**	**Description**	**X AN 1/80**
			A free-form description to clarify the related data elements and their content	

Segment: **CTT** Transaction Totals
Position: 010
Loop:
Level: Summary:
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: **1**   If CTT03 is present, then CTT04 is required.
     2   If CTT05 is present, then CTT06 is required.
Semantic Notes:
Comments: **1**   This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	CTT01	354	**Number of Line Items**	M	N0 1/6
			Total number of line items in the transaction set		
X	CTT02	347	**Hash Total**	O	R 1/10
			Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.		
			Example:		
			-.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ------- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.		
X	CTT03	81	**Weight**	O	R 1/10
			Numeric value of weight		
X	CTT04	355	**Unit or Basis for Measurement Code**	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			Refer to 003030 Data Element Dictionary for acceptable code values.		
X	CTT05	183	**Volume**	O	R 1/8
			Value of volumetric measure		
X	CTT06	355	**Unit or Basis for Measurement Code**	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			Refer to 003030 Data Element Dictionary for acceptable code values.		
X	CTT07	352	**Description**	O	AN 1/80
			A free-form description to clarify the related data elements and their content		

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Segment:	**SE** **Transaction Set Trailer**
Position:	020
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
>>	**SE01**	**96**	**Number of Included Segments**	**M N0 1/10**
			Total number of segments included in a transaction set including ST and SE segments	
>>	**SE02**	**329**	**Transaction Set Control Number**	**M AN 4/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	