



IMPLEMENTATION GUIDELINES
FOR
ANSI X12 EDI CONVENTIONS

856 TRANSACTION SET

SHIP NOTICE
Version 004010
Revised September 22, 2025

856 Ship Notice

Functional Group ID=SH

This document 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.

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must Use
020	BSN	Beginning Segment for Ship Notice	M	1			Must Use
040	DTM	Date/Time Reference	O	10			Used
LOOP ID - HL					200000		
010	HL	Hierarchical Level (Shipment)	M	1			Must Use
080	MEA	Measurements	O	40			Used
110	TD1	Carrier Details (Quantity and Weight)	O	20			Used
120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used
130	TD3	Carrier Details (Equipment)	O	12			Used
150	REF	Reference Identification	O	>1			Used
151	PER	Administrative Contact	O	3			Used
LOOP ID - HL/CLD					200000		
210	FOB	F.O.B. Related Instructions	O	1			Used
LOOP ID -HL/N1					200		
220	N1	Name	O	1			Used
260	REF	Reference Numbers	O	12			Used
310	CUR	Currency	O	1			Used
LOOP ID -HL					200000		
320	HL	Hierarchical Level (Tare)	O	1			Used
330	CLD	Load Detail	O	1			Used
340	REF	Reference Numbers	O	1			Used
LOOP ID -HL					200000		
010	HL	Hierarchical Level (Item)	M	1			Must Use
020	LIN	Item Identification	O	1			Used
030	SN1	Item Detail	O	1			Used
040	PRF	Purchase Order Reference	O	1			Used
050	REF	Reference Numbers	O	1			Used

LOOP ID – HL/CLD				200000			
060	CLD	Load Detail	O	1			Used
070	REF	Reference Numbers	O	200			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	CTT	Transaction Totals	M	1		N3/010	Used
020	SE	Transaction Set Trailer	M	1			Used

Notes:

3/010 The number of lines items (CTT01) is the accumulation of number of LIN segments.

Revision History	
Date	Change
1/30/2018	Added <i>Release Number</i> reference within Loop HL/CLD
10/14/2019	Added optional <i>DTM 094 qualifier</i> segment
12/6/2019	Added optional <i>RFF AN qualifier</i> segment
1/29/2020	Added clarification regarding BSN Purpose Codes 01 and 05
9/9/2020	Added 'MG' qualifier to LIN segment
08/24/2021	Corrected SE segment details

ST

Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop:	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						
		<u>Code</u>		<u>Name</u>		
		856		Ship Notice Manifest		
ST02	329	Transaction Set Control Number	M	AN	4/9	Must Use

BSN

Beginning Segment for Ship Notice

Pos: 020

Max: 1

Heading - Mandatory

Loop: Elements: 4

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 Description: Code identifying purpose of transaction set NOTE: Although 01 and 05 are valid codes, there is no integrated or automated processing of transactions sent with these codes. <table><tr><th>Code</th><th>Name</th></tr><tr><td>00</td><td>Original</td></tr><tr><td>01</td><td>Cancellation</td></tr><tr><td>05</td><td>Replacement</td></tr></table>	Code	Name	00	Original	01	Cancellation	05	Replacement	M	ID	2/2	Must use
Code	Name													
00	Original													
01	Cancellation													
05	Replacement													
X														
X														
BSN02	396	Shipment Identification Description: A unique control number assigned by the original shipper to identify a specific shipment. Not repeated when BSN01 = 00	M	AN	1/30	Must use								
BSN03	373	Date Description: Date expressed as CCYYMMDD Generated Date	M	DT	8/8	Must use								
BSN04	337	Time Description: Time expressed in 24 hour clock time HHMM or HHMMSS or HHMMSSD	M	TM	4/8	Must use								

DTM

Date/Time Reference

Pos: 030

Max: 10

Heading - Optional

Loop: N/A

Elements: 3

User Option (Usage): Used

To specify pertinent dates and times.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage				
DTM01	374	Date/Time Qualifier Description: To specify pertinent dates and times	M	ID	3/3	Used				
		<table><tr><th>Code</th><th>Name</th></tr><tr><td>011</td><td>Ship Date</td></tr></table>	Code	Name	011	Ship Date				
Code	Name									
011	Ship Date									
Ref	Id	Element Name	Req	Type	Min/Max	Usage				
DTM02	373	Date Description: CCYYMMDD	C	DT	8/8	Used				
DTM03	337	Time 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)	C	TM	4/8	Used				

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

User Option (Usage): Used

To identify dependencies amount and the contest of hierarchically related groups of data segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL01	628	Hierarchical ID Number Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure. Use 1 for this occurrence	M	AN	1/12	Must Use
HL02	734	Hierarchical Parent ID Number Description: Identification number of the next hierarchical data segment that the data segment being described is subordinate to Not used for this occurrence of the HL segment	O	AN	1/12	Not Used
HL03	735	Hierarchical Level Code Description: Code defining the characteristic of a level in a hierarchical structure. S - Shipment	M	ID	1/2	Must Use

MEA Measurements

Pos: 080	Max: 40
Heading - Mandatory	
Loop: HL	Elements: 4

User Option (Usage): Used

To specify physical measurements or counts, including dimensions, tolerances, variances, and weights

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage						
MEA01	737	Measurement Reference ID Code Description: code identifying the broad category to which a measurement applies <table><tr><th>Code</th><th>Name</th></tr><tr><td>PD</td><td>Physical Dimensions</td></tr></table>	Code	Name	PD	Physical Dimensions	O	ID	2/2	Must Use		
Code	Name											
PD	Physical Dimensions											
MEA02	738	Measurement Qualifier Description: Code identifying a specific product or process characteristic to which a measurement applies <table><tr><th>Code</th><th>Name</th></tr><tr><td>G</td><td>Gross Weight (Required)</td></tr><tr><td>N</td><td>Net Weight</td></tr></table>	Code	Name	G	Gross Weight (Required)	N	Net Weight	O	ID	1/3	Used
Code	Name											
G	Gross Weight (Required)											
N	Net Weight											
MEA03	739	Measurement Value Description: The value of the measurement	X	R	1/20	Must Use						
MEA04	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X	ID	2/2	Used						

Syntax:

- 1. R0305068 - At least one of MEA03, MEA05,, MEA06 or MEA08 is required

TD1

Carrier Details (Quantity and Weight)

Pos: 110

Max: 20

Heading - Optional

Loop: HL

Elements: 4

User Option (Usage): Used

Used to specify lading quantity and package type.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD101	103	Packaging Code 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	O	AN	3/5	Used
TD102	80	Lading Quantity Description: Number of units of lading commodity	X	N0	1/7	Used
TD103	23	Commodity Code Qualifier Description: code identifying the commodity coding system used for Commodity Code	O	ID	1/1	Not Used
TD104	22	Commodity Code Description: Code describing a commodity or group of commodities	X	AN	2/80	Not Used

Syntax:

- 1. C0102 – If TD101 is present, then TD102 is required
- 2. C0304 – If TD103 is present, then TD104 is required

TD5

Carrier Details (Routing Sequence/Transit Time)

Pos: 120

Max: 12

Heading - Optional

Loop: HL

Elements: 4

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
TD501	133	Routing Sequence Code Description: Code describing the relationship of a carrier to a specific shipment movement <table><tr><td><u>Code</u></td><td><u>Name</u></td></tr><tr><td>B</td><td>Origin/Delivery Carrier</td></tr></table>	<u>Code</u>	<u>Name</u>	B	Origin/Delivery Carrier	O	ID	1/2	Must Use
<u>Code</u>	<u>Name</u>									
B	Origin/Delivery Carrier									
TD502	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code <u>Code</u> 2 – Standard Carrier Alpha Code (SCAC)	X	ID	1/2	Must Use				
TD503	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Must Use				
TD504	91	Transportation Method/Type Code Description: Code specifying the method or type of transportation for the shipment.	X	ID	1/2	Must Use				

Syntax:

- 1. R0204050612 - At least one of TD502, TD504, TD505, TD506 or TD512 is required
- 2. C0203 - If TD502 is present, then TD503 is required

TD3

Carrier Details (Equipment)

Pos: 130

Max: 12

Heading - 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 Description: Code identifying type of equipment used for shipment	X	ID	2/2	Used
TD302	206	Equipment Initial Description: Prefix or alphabetic part of an equipment unit's identifying number	O	AN	1/4	Used
TD303	207	Equipment Number Description: Sequencing or serial part of an equipment unit's identifying number	X	AN	1/10	Used

Syntax:

- 1. E0110 – Only one of TD301 or TD310 may be present
- 2. C0203 - If TD302 is present, then TD303 is required

Comments:

- 1. Maximum use of this TD3 segment is one. This TD3 is used to identify the seral number of the trailer or railcar

REF Reference Identification

Pos: 150	Max: 12
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Optional

To specify identifying information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>																
REF01	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification	M	ID	2/3	Must use																
		<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>AW</td><td>Air Waybill Number</td></tr><tr><td>BM</td><td>Bill of Lading</td></tr><tr><td>CN</td><td>Carrier's Reference</td></tr><tr><td>FR</td><td>Freight Bill Number</td></tr><tr><td>MB</td><td>Master Bill of Lading</td></tr><tr><td>PK</td><td>Packing List</td></tr><tr><td>SI</td><td>Shipper's Identifying Number</td></tr></table>	<u>Code</u>	<u>Name</u>	AW	Air Waybill Number	BM	Bill of Lading	CN	Carrier's Reference	FR	Freight Bill Number	MB	Master Bill of Lading	PK	Packing List	SI	Shipper's Identifying Number				
<u>Code</u>	<u>Name</u>																					
AW	Air Waybill Number																					
BM	Bill of Lading																					
CN	Carrier's Reference																					
FR	Freight Bill Number																					
MB	Master Bill of Lading																					
PK	Packing List																					
SI	Shipper's Identifying Number																					

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Used

Syntax:

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

PER

Administrative Contact

Pos: 100

Max: 3

Heading - Optional

Loop: N1

Elements: 4

User Option (Usage): Used

To identify a person or office to whom communications should be directed.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
PER01	366	Contact Function Code Description: Code identifying the responsibility of the person named. <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>SH</td><td>Shipper Contact</td></tr></table>	<u>Code</u>	<u>Name</u>	SH	Shipper Contact	M	ID	2/2	Used
<u>Code</u>	<u>Name</u>									
SH	Shipper Contact									
PER02	93	Name Description: Free-form name	O	AN	1/35					
PER03	365	Communications Number Qualifier Description: Code identifying the type of communication number <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>TE</td><td>Telephone</td></tr></table>	<u>Code</u>	<u>Name</u>	TE	Telephone	X	ID	2/2	
<u>Code</u>	<u>Name</u>									
TE	Telephone									
PER04	364	Communications Number	X	AN	1/80					

FOB

F.O.B Related Instructions

Pos: 210

Max: 1

Detail - Optional

Loop: HL/CLD

Elements: 1

User Option (Usage): Used

To specify transportation instructions relating to shipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
FOB01	146	Shipment method of payment Description: Code identifying payment terms for transportation charges	M	ID	2/2	Used
		<u>Code</u> <u>Name</u>				
		CC Collect				
		PP Prepaid				

N1	Name	Pos: 220	Max: 1
		Heading - Optional	
		Loop: HL/N1	Elements: 4

User Option (Usage): Used

To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage								
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual <table><tr><th>Code</th><th>Name</th></tr><tr><td>SU</td><td>Supplier/Manufacturer</td></tr><tr><td>ST</td><td>Ship To</td></tr><tr><td>SF</td><td>Ship From</td></tr></table>	Code	Name	SU	Supplier/Manufacturer	ST	Ship To	SF	Ship From	M	ID	2/3	Must use
Code	Name													
SU	Supplier/Manufacturer													
ST	Ship To													
SF	Ship From													
N102	93	Name Description: Free-form name	C	AN	1/60	Used								
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) <table><tr><th>Code</th><th>Name</th></tr><tr><td>01</td><td>D-U-N-S Number, Dun & Bradstreet</td></tr><tr><td>92</td><td>Assigned by Buyer or Buyer's Agent</td></tr></table>	Code	Name	01	D-U-N-S Number, Dun & Bradstreet	92	Assigned by Buyer or Buyer's Agent	C	ID	1/2	Used		
Code	Name													
01	D-U-N-S Number, Dun & Bradstreet													
92	Assigned by Buyer or Buyer's Agent													
N104	67	Identification Code Description: Code identifying a party or other code	C	AN	2/80	Used								

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.

REF

Reference Identification

Pos: 090	Max: 12
Detail - Optional	
Loop: HL/N1	Elements: 2

User Option (Usage): Optional

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			
		DK	Dock Number			

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

Comments:

- 1. This segment is used in reference to the Ship To Party – N101 = ST.

CUR

Currency

Pos: 310	Max: 1
Detail - Optional	
Loop: HL/N1	Elements: 2

User Option (Usage): Optional

To specify the currency used in a transaction

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
CUR01	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location/ property or an individual <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>SE</td><td>Selling Party</td></tr></table>	<u>Code</u>	<u>Name</u>	SE	Selling Party	M	ID	2/3	Must use
<u>Code</u>	<u>Name</u>									
SE	Selling Party									
CUR02	100	Currency Code Description: Code (Standard ISO) for country in whose currency the charges are specified	M	ID	3/3	Must use				

Comments:

1.
- This segment is used in reference to the Supplier – N101 = SU

HL

Hierarchical Level

Pos: 320

Max: 1

Detail - Optional

Loop: HL

Elements: 3

User Option (Usage): Used

To identify dependencies amount and the contest of hierarchically related groups of data segments

Element Summary:

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

CLD Container Load Details

Pos: 320	Max: 1
Detail - Optional	
Loop: HL	Elements: 3

User Option (Usage): Used

To specify the number of material loads shipped

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CLD01	622	Number of loads Description: Number of customer-defined loads shipped by the supplier	M	N0	1/5	Must Use
CLD02	382	Number of Units Shipped Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	M	R	1/10	Must Use
CLD03	103	Packaging Code 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	O	AN	3/5	Used

REF

Reference Identification

Pos: 090	Max: 12
Detail - Optional	
Loop: HL/N1	Elements: 2

User Option (Usage): Optional

To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	Reference Identification Qualifier	M	ID	1/3	Must use
Description: Code qualifying the Reference Identification						
		Code	Name			
		HC	Heat Code			
		LS	Bar-coded Serial Number – Master Unit			

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	Reference Identification	C	AN	1/10	Used
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier. Heat code will allow a max of 30 but Master Unit Serial is limited to a max of 10 positions.						

Syntax:

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

HL

Hierarchical Level

Pos: 010

Max: 1

Detail - Mandatory

Loop: HL

Elements: 3

User Option (Usage): Used

To identify dependencies amount and the contest of hierarchically related groups of data segments

Element Summary:

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

I - Item

LIN

Item Identification

Pos: 020

Max: 1

Detail - Mandatory

Loop: LIN

Elements: 12

User Option (Usage): Must use

To specify basic item identification data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN01	350	Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set	O	AN	1/20	Used
LIN02	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) Code Name BP Buyer's Part Number	M	ID	2/2	Must use
LIN03	234	Product/Service ID Description: Identifying number for a product or service	M	AN	1/48	Must use
LIN04	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) Code Name EC Engineering Change Level	O	ID	2/2	Used
LIN05	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN06	234	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) Code Name PO Purchase Order Number	M	AN	2/2	Used
LIN07	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN08	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) Code Name PD Product Description	O	ID	2/2	Used
LIN09	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used

LIN10	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O	ID	2/2	Used
		<u>Code</u> VP		<u>Name</u> Vendor's (Seller's) Part Number		
LIN11	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN12	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O	ID	2/2	Used
		<u>Code</u> PL		<u>Name</u> Purchase Order Line Number		
LIN13	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN14	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	O	ID	2/2	Used
		<u>Code</u> MG		<u>Name</u> Manufacturer's Part Number		
LIN15	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used

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.

SN1

Item Detail

Pos: 030

Max: 1

Detail - Optional

Loop: HL

Elements: 4

User Option (Usage): Must Use

To specify line-item detail relative to shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SN101	350	Assigned Identification Description: Alpha numeric characters assigned for differentiation within a transaction set.	O	AN	1/20	Not Used
SN102	382	Number of Units Shipped Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	M	R	1/10	Must Use
SN103	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken This must be the same Unit of Measure provided on the corresponding releasing document	M	ID	2/2	Must Use
SN104	646	Quantity Shipped to Date Description: Number of units shipped to date.	O	R	1/15	Used

PRF

Purchase Order Reference

Pos: 040	Max: 1
Detail - Optional	
Loop: HL	Elements: 4

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 Description: Identifying number for Purchase Order assigned by the buyer/purchaser	M	AN	1/22	Not Used
PRF02	328	Release Number Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction.	O	AN	1/30	Not Used
PRF03	350	Change Order Sequence Number Description: Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set	O	AN	1/11	Not Used
PRF04	373	Date Description: Purchase Order Date expressed as CCYYMMDD	O	DT	8/8	Used

REF

Reference Identification

Pos: 050

Max: 12

Detail - Optional

Loop: LIN

Elements: 2

User Option (Usage): Optional

To specify identifying information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>										
REF01	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification	M	ID	2/3	Must use										
		<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>DK</td><td>Dock Number</td></tr><tr><td>LF</td><td>Assembly Line Feed Location</td></tr><tr><td>DO</td><td>Delivery Order Number (RAN)</td></tr><tr><td>AN</td><td>Associated Purchase Order</td></tr></table>	<u>Code</u>	<u>Name</u>	DK	Dock Number	LF	Assembly Line Feed Location	DO	Delivery Order Number (RAN)	AN	Associated Purchase Order				
<u>Code</u>	<u>Name</u>															
DK	Dock Number															
LF	Assembly Line Feed Location															
DO	Delivery Order Number (RAN)															
AN	Associated Purchase Order															

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30	Used

Syntax:

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

CLD Container Load Details

Pos: 060	Max: 1
Detail - Optional	
Loop: HL/CLD	Elements: 3

User Option (Usage): Used

To specify the number of material loads shipped

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CLD01	622	Number of loads Description: Number of customer-defined loads shipped by the supplier	M	N0	1/5	Must Use
CLD02	382	Number of Units Shipped Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	M	R	1/10	Must Use
CLD03	103	Packaging Code 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	O	AN	3/5	Used

REF Reference Identification

Pos: 070	Max: 200
Detail - Optional	
Loop: HL/CLD	Elements: 2

User Option (Usage): Optional

To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification	M	ID	1/3	Must use
		Code Name				
		HC Heat Code				
		LS Bar-coded Serial Number				
		LT Lot Number				
		KB Beginning Kanban Number				
		KE Ending Kanban Number				
		RE Release Number				

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier. Heat code will allow a max of 30 but Master Unit Serial is limited to a max of 10 positions.	C	AN	1/10	Used

Syntax:

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

DTM

Date/Time Reference

Pos: 080

Max: 10

Heading - Optional

Loop: HL/CLD

Elements: 3

User Option (Usage): Used

To specify pertinent dates and times.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	374	Date/Time Qualifier Description: To specify pertinent dates and times	M	ID	3/3	Used
		Code Name 094 Manufacture Date				
Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	Date Description: CCYYMMDD	C	DT	8/8	Used
DTM03	337	Time 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)	C	TM	4/8	Used

CTT

Transaction Totals

Pos: 010

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						
CTT02	347	Hash Total	O	R	1/10	Used

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.

SE Transaction Set Trailer

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

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
SE01	96	Number of Included Segments Description: Total number of segments in the transaction set including ST and SE segments.	M	N0	1/10	Must use
SE02	329	Transaction Set Control Number Description: Identifying control number	M	AN	4/9	Must Use

Comments:

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