

Ship Notice/Manifest - Garden Ridge - Trading Partner Specifications

VERSION: 1.0 (X12 4010)

Created: 06/01/2000
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856

Ship Notice/Manifest - Garden Ridge - Trading Partner Specifications

Functional Group=SH

This Draft Standard for Trial Optional contains the format and establishes the data contents of the Ship Notice/Manifest Transaction Set (856) for Optional within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be Optional 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.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max</u> <u>Optio</u> <u>nal</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
10	ISA	Interchange Control Header	M	1			Mandatory
5	GS	Functional Group Header	M	1			Mandatory
10	ST	Transaction Set Header	M	1		C2/10	Mandatory
20	BSN	Beginning Segment for Ship Notice	M	1			Mandatory

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max</u> <u>Optio</u> <u>nal</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
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<u>LOOP ID - HL</u>			<u>200000</u>				
10	HL	Hierarchical Level - Shipment	M	1		N3/10	Mandatory
120	TD5	Carrier Details (Routing Sequence/Transit Time)	M	12			Mandatory
130	TD3	Carrier Details (Equipment)	O	12			Optional
150	REF	Reference Identification	M	>1			Mandatory
200	DTM	Date/Time Reference	M	10			Mandatory
200	DTM	Date/Time Reference	O	10			Mandatory
210	FOB	F.O.B. Related Instructions	M	1			Mandatory

<u>LOOP ID - N1</u>			<u>200</u>				
220	N1-BT	Name	O	1			Optional

<u>LOOP ID - N1</u>			<u>200</u>				
220	N1-ST	Name	M	1			Mandatory

<u>LOOP ID - N1</u>			<u>200</u>				
220	N1-VN	Name	M	1			Mandatory

<u>LOOP ID - N1</u>			<u>200</u>				
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220	N1-SF	Name	O	1		Optional
LOOP ID - HL					200000	
10	HL	Hierarchical Level - Order	M	1	N3/10	Mandatory
50	PRF	Purchase Order Reference	M	1		Mandatory
110	TD1	Carrier Details (Quantity and Weight)	M	20		Mandatory
150	REF	Reference Identification	M	>1		Mandatory
LOOP ID - HL					200000	
10	HL	Hierarchical Level – Pack HL(03)=P Can describe a Pallet or Carton	C	1	N3/10	Mandatory
110	TD1	Carrier Details (Quantity and Weight)	C	20		Optional
120	TD5	Carrier Details (Routing Sequence/Transit Time)	C	12		Mandatory
LOOP ID - HL					200000	
10	HL	Hierarchical Level - Item	M	1	N3/10	Mandatory
20	LIN	Item Identification	M	1		Mandatory
30	SN1	Item Detail (Shipment)	M	1		Mandatory

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max</u> <u>Optio</u> <u>nal</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
20	SE	Transaction Set Trailer	M	1			Mandatory
85	GE	Functional Group Trailer	M	1			Mandatory
100	IEA	Interchange Control Trailer	M	1			Mandatory

This 856 Document was designed for the Advanced Ship Notice EDI Transactions sent from Suppliers to Garden Ridge.

ISA Interchange Control Header

Pos: 10	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 16

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
ISA01	I01	<p>Authorization Information Qualifier</p> <p>Description: Code to identify the type of information in the Authorization Information</p> <p><u>Code</u> <u>Name</u></p> <p style="margin-left: 20px;">00 No Authorization Information Present (No Meaningful Information in I02)</p>	M	ID	2/2	Mandatory
ISA02	I02	<p>Authorization Information</p> <p>Description: Information Optional for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)</p>	O	AN	10/10	
ISA03	I03	<p>Security Information Qualifier</p> <p>Description: Code to identify the type of information in the Security Information</p> <p><u>Code</u> <u>Name</u></p> <p style="margin-left: 20px;">00 No Security Information Present (No Meaningful Information in I04)</p>	M	ID	2/2	Mandatory
ISA04	I04	<p>Security Information</p> <p>Description: This is Optional for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)</p>	O	AN	10/10	
ISA05	I05	<p>Interchange ID Qualifier</p> <p>Description: Qualifier to designate the system/method of code structure Optional to designate the sender or receiver ID element being qualified</p>	M	ID	2/2	Mandatory
ISA06	I06	<p>Interchange Sender ID</p> <p>Description: Identification code published by the sender for other parties to Optional as the receiver ID to route data to them; the sender always codes this value in the sender ID element</p>	M	AN	15/15	Mandatory
ISA07	I05	<p>Interchange ID Qualifier</p> <p>Description: Qualifier to designate the system/method of code structure Optional to designate the sender or receiver ID element being qualified</p> <p style="text-align: center;">Provided at Testing_</p>	M	ID	2/2	Mandatory
ISA08	I07	Interchange Receiver ID	M	AN	15/15	Mandatory

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>						
		<p>–</p> <p>Description: Identification code published by the receiver of the data; When sending, it is Optional by the sender as their sending ID, thus other parties sending to them will Optional this as a receiving ID to route data to them</p> <p>Mapper Notes: <i>Provided at Testing</i></p>				y						
ISA09	I08	<p>Interchange Date</p> <p>Description: Date of the interchange</p>	M	DT	6/6	Mandatory						
ISA10	I09	<p>Interchange Time</p> <p>Description: Time of the interchange</p>	M	TM	4/4	Mandatory						
ISA11	I10	<p>Interchange Control Standards Identifier</p> <p>Description: Code to identify the agency responsible for the control standard Optional by the message that is enclosed by the interchange header and trailer</p> <p>All valid standard codes are Optional.</p>	M	ID	1/1	Mandatory						
ISA12	I11	<p>Interchange Control Version Number</p> <p>Description: This version number covers the interchange control segments</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>–</td> <td>00400 Standard Issued as ANSI X12.5-1997</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	–	00400 Standard Issued as ANSI X12.5-1997	M	ID	5/5	Mandatory		
<u>Code</u>	<u>Name</u>											
–	00400 Standard Issued as ANSI X12.5-1997											
ISA13	I12	<p>Interchange Control Number</p> <p>Description: A control number assigned by the interchange sender</p>	M	N0	9/9	Mandatory						
ISA14	I13	<p>Acknowledgment Requested</p> <p>Description: Code sent by the sender to request an interchange acknowledgment (TA1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>–</td> <td>0 No Acknowledgment Requested</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	–	0 No Acknowledgment Requested	M	ID	1/1	Mandatory		
<u>Code</u>	<u>Name</u>											
–	0 No Acknowledgment Requested											
ISA15	I14	<p>Usage Indicator</p> <p>Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>–</td> <td>P Production Data</td> </tr> <tr> <td></td> <td>T Test Data</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	–	P Production Data		T Test Data	M	ID	1/1	Mandatory
<u>Code</u>	<u>Name</u>											
–	P Production Data											
	T Test Data											
ISA16	I15	<p>Component Element Separator</p> <p>Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter Optional to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator</p> <p>Mapper Notes: <</p>	M	AN	1/1	Mandatory						



Semantics:

1. The transaction set identifier (ST01) Optional by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

GS

Functional Group Header

Pos: 5	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 8

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>
GS01	479	Functional Identifier Code Description: Code identifying a group of application related transaction sets	M	ID	2/2	Mandatory
		<u>Code Name</u> SH Ship Notice/Manifest (856)				
GS02	142	Application Sender's Code Description: Code identifying party sending transmission; codes agreed to by trading partners	M	AN	2/15	Mandatory
GS03	124	Application Receiver's Code Description: Code identifying party receiving transmission. Codes agreed to by trading partners	M	AN	2/15	Mandatory
		Mapper Notes: Provided At Testing				
GS04	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8	Mandatory
GS05	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)	M	TM	4/8	Mandatory
GS06	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	N0	1/9	Mandatory
		Mapper Notes: Batch-Identifier				
GS07	455	Responsible Agency Code Description: Code Optional in conjunction with Data Element 480 to identify the issuer of the standard	M	ID	1/2	Mandatory
GS08	480	Version / Release / Industry Identifier Code Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being Optional, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by Optionalr); if code in DE455 in GS segment is T, then other formats are allowed	M	AN	1/12	Mandatory



Comments:

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

ST Transaction Set Header

Pos: 10	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

To identify dependencies among and the content 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>
ST01	143	Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set <u>Code Name</u> 856 Ship Notice/Manifest	M	ID	3/3	Mandatory
ST02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Mandatory

BSN Beginning Segment for Ship Notice

Pos: 20	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

To specify basic item identification data

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>
-						
BSN01	353	Transaction Set Purpose Code Description: Code identifying purpose of transaction set	M	ID	2/2	Mandatory
		<u>Code Name</u>				
		00 Original				
		01 Update				
		02 Cancel				
BSN02	396	Shipment Identification Description: A unique control number assigned by the original shipper to identify a specific shipment	M	AN	2/30	Mandatory
BSN03	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8	Mandatory
		Mapper Notes: <i>Create_date</i>				
BSN04	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)	M	TM	4/8	Mandatory
		Mapper Notes: <i>Create_time</i>				
BSN05	100 5	Hierarchical Structure Code Description: Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set	O	ID	4/4	Optional
		<u>Code Name</u>				
		0001 Shipment, Order, Packaging, Item				

HL

Hierarchical Level - Shipment

Pos: 10	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 4

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Ma</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	Mandatory
HL02	734	Hierarchical Parent ID Number Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	O	AN	1/12	Optional
HL03	735	Hierarchical Level Code Description: Code defining the characteristic of a level in a hierarchical structure	M	ID	1/2	Mandatory
		<u>Code Name</u> S Shipment				
HL04	736	Hierarchical Child Code Description: Code indicating if there are hierarchical child data segments subordinate to the level being described	O	ID	1/1	Optional

Comments:

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

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 120	Max: 12
Detail - Mandatory	
Loop: HL	Elements: 2

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>
TD503	67	Identification Code Description: Code identifying a party or other code Mapper Notes: <i>Carrier_code (Usually an abbreviation for carrier name)</i>	M	AN	2/80	Mandatory
TD505	387	Routing Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity Mapper Notes: <i>Carrier_desc (Full Carrier Name)</i>	M	AN	1/35	Mandatory

Syntax:

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

Comments:

1. When specifying a routing sequence to be Optional for the shipment movement in lieu of specifying each carrier within the movement, Optional TD502 to identify the party responsible for defining the routing sequence, and Optional TD503 to identify the actual routing sequence, specified by the party identified in TD502.

TD3 Carrier Details (Equipment)

Pos: 130	Max: 12
Detail - Optional	
Loop: HL	Elements: 1

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>
TD303	207	Equipment Number Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	O	AN	1/10	Optional
Mapper Notes: <i>Trailer_no</i>						

REF Reference Identification

Pos: 150	Max: >1
Detail - Mandatory	
Loop: HL	Elements: 2

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	Mandatory
		<u>Code Name</u> BM Bill of Lading Number				
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN	1/30	Mandatory

Syntax:

- REF02 R0203 -- At least one of REF02 or REF03 is required.

DTM Date/Time Reference

Pos: 200	Max: 10
Detail - Mandatory	
Loop: HL	Elements: 2

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>
DTM0 1	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	M	ID	3/3	Mandator y
		<u>Code</u> <u>Name</u>				
		011 Shipped				
DTM0 2	373	Date Description: Date expressed as CCYYMMDD	O	DT	8/8	Mandator y

Syntax:

R020305 -- At least one of DTM02, DTM03 or DTM05 is required.

DTM Date/Time Reference

Pos: 200	Max: 10
Detail - Mandatory	
Loop: HL	Elements: 2

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>
DTM0 1	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	M	ID	3/3	Mandator y
		<u>Code</u> <u>Name</u>				
		017 Estimated Delivery				
DTM0 2	373	Date Description: Date expressed as CCYYMMDD	O	DT	8/8	Mandator y

Syntax:

R020305 -- At least one of DTM02, DTM03 or DTM05 is required.

FOB F.O.B. Related Instructions

Pos: 210	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 1

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	M	ID	2/2	Mandatory
		Description: Code identifying payment terms for transportation charges				
		<u>Code</u>	<u>Name</u>			
		CC	Collect			
		PP	Prepaid (by Seller)			

N1

Name – BILL TO

Pos: 220	Max: 1
Detail - Optional	
Loop: N1	Elements: 3

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>
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual <u>Code Name</u> BT Bill-to-Party	M	ID	2/3	Mandatory
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure Optional for Identification Code (67) <u>Code Name</u> 92 Assigned by Buyer or Buyer's Agent	O	ID	1/2	Mandatory
N104	67	Identification Code Description: Code identifying a party or other code	O	AN	2/80	Mandatory

Syntax:

1. N102 R0203 -- At least one of N102 or N103 is required.
2. N103 P0304 -- If either N103 or N104 are present, then the others are required.

Comments:

1. This segment, Optional 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.

N1

Name –SHIP TO

Pos: 220	Max: 1
Detail - Mandatory	
Loop: N1	Elements: 3

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>
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual	M	ID	2/3	Mandatory
		<u>Code Name</u> ST Ship To				
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure Optional for Identification Code (67)	O	ID	1/2	Mandatory
		<u>Code Name</u> 92 Assigned by Buyer or Buyer's Agent				
N104	67	Identification Code Description: Code identifying Garden Ridge Distribution Center or Store Number	O	AN	2/80	Mandatory

Syntax:

1. N102 R0203 -- At least one of N102 or N103 is required.
2. N103 P0304 -- If either N103 or N104 are present, then the others are required.

Comments:

1. This segment, Optional 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.

N1**Name - VENDOR**

Pos: 220	Max: 1
Detail - Mandatory	
Loop: N1	Elements: 3

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>				
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="text-align: center;"><u>Code</u></th> <th style="text-align: center;"><u>Name</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">VN</td> <td>Vendor</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	VN	Vendor	M	ID	2/3	Mandatory
<u>Code</u>	<u>Name</u>									
VN	Vendor									
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure Optional for Identification Code (67) <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="text-align: center;"><u>Code</u></th> <th style="text-align: center;"><u>Name</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">92</td> <td>Assigned by Buyer or Buyer's Agent</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	92	Assigned by Buyer or Buyer's Agent	O	ID	1/2	Mandatory
<u>Code</u>	<u>Name</u>									
92	Assigned by Buyer or Buyer's Agent									
N104	67	Identification Code Description: Garden Ridge Assigned Vendor Number	O	AN	2/80	Mandatory				

Syntax:

1. N102 R0203 -- At least one of N102 or N103 is required.
2. N103 P0304 -- If either N103 or N104 are present, then the others are required.

Comments:

1. This segment, Optional 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.

N1

Name – SHIP FROM

Pos: 220	Max: 1
Detail - Optional	
Loop: N1	Elements: 3

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Ma</u>	<u>Usage</u>
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual <u>Code Name</u> SF Ship From	M	ID	2/3	Mandatory
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure Optional for Identification Code (67) <u>Code Name</u> 91 Assigned by Seller or Seller's Agent	O	ID	1/2	Mandatory
N104	67	Identification Code Description: Code identifying a party or other code	O	AN	2/80	Mandatory

Syntax:

1. N102 R0203 -- At least one of N102 or N103 is required.
2. N103 P0304 -- If either N103 or N104 are present, then the others are required.

Comments:

1. This segment, Optional 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.

HL Hierarchical Level - Order

Pos: 10	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 4

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

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	Mandatory				
HL02	734	Hierarchical Parent ID Number Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	O	AN	1/12	Optional				
HL03	735	Hierarchical Level Code Description: Code defining the characteristic of a level in a hierarchical structure <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Code</u></th> <th style="text-align: left;"><u>Name</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">O</td> <td>Order</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	O	Order	M	ID	1/2	Mandatory
<u>Code</u>	<u>Name</u>									
O	Order									
HL04	736	Hierarchical Child Code Description: Code indicating if there are hierarchical child data segments subordinate to the level being described	O	ID	1/1	Optional				

Comments:

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

PRF Purchase Order Reference

Pos: 50	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 2

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>
PRF01	324	Purchase Order Number Description: Identifying number for Purchase Order assigned by the orderer/purchaser Mapper Notes: Purchase Order Number	M	AN	1/22	Mandatory
PRF05	350	Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set Mapper Notes: <i>If Purchase order is cross dock then PRF05='PPK' else PRF05='BLK'</i>	O	AN	1/20	Optional

TD1

Carrier Details (Quantity and Weight)

Pos: 110	Max: 20
Detail - Mandatory	
Loop: HL	Elements: 7

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>						
TD101	103	Packaging Code Description: Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is Optional, then Part 1 is always required <i>Mapper Notes: Ex. PLT, CTN, CTN25, etc.</i> All valid standard codes are Optional.	O	AN	3/5	Mandatory						
TD102	80	Lading Quantity Description: Number of units (pieces) of the lading commodity	O	N0	1/7	Mandatory						
TD106	187	Weight Qualifier Description: Code defining the type of weight <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Code</u></th> <th style="text-align: left;"><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>G</td> <td>Gross Weight</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	G	Gross Weight	O	ID	1/2	Mandatory		
<u>Code</u>	<u>Name</u>											
G	Gross Weight											
TD107	81	Weight Description: Numeric value of weight	O	R	1/10	Mandatory						
TD108	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 <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Code</u></th> <th style="text-align: left;"><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>KG</td> <td>Kilogram</td> </tr> <tr> <td>LB</td> <td>Pound</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	KG	Kilogram	LB	Pound	O	ID	2/2	Mandatory
<u>Code</u>	<u>Name</u>											
KG	Kilogram											
LB	Pound											
TD109	183	Volume Description: Value of volumetric measure	O	R	1/8	Optional						
TD110	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 All valid standard codes are Optional.	O	ID	2/2	Optional						

Syntax:

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

REF Reference Identification

Pos: 150	Max: >1
Detail - Mandatory	
Loop: HL	Elements: 2

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	<p>Reference Identification Qualifier Description: Code qualifying the Reference Identification</p> <p><u>Code Name</u></p> <p>RG Route Order Number</p>	M	ID	2/3	Mandatory
REF02	127	<p>Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier</p> <p>Mapper Notes: Must contain the "LT" number that is provided in routing instructions. Only enter numeric value. DO NOT PREFACE WITH "LT".</p>	O	AN	1/30	Mandatory

Syntax:

HL Hierarchical Level - Pack

Pos: 10	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 4

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	Mandatory
HL02	734	Hierarchical Parent ID Number Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	O	AN	1/12	Optional
HL03	735	Hierarchical Level Code Description: Code defining the characteristic of a level in a hierarchical structure	M	ID	1/2	Mandatory
		<u>Code</u> <u>Name</u>				
		P Pack (Pallet or Carton)				
HL04	736	Hierarchical Child Code Description: Code indicating if there are hierarchical child data segments subordinate to the level being described	O	ID	1/1	Optional

Comments:

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

Conditional: Either the Pallet HL Loop or the Carton HL Loop is required on the 856 for Cross Dock Orders.

TD1 Carrier Details (Quantity and Weight)

Pos: 110	Max: 20
Detail - Optional	
Loop: HL	Elements: 7

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Ma</u>	<u>Usage</u>
TD101	103	Packaging Code Description: Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is Optional, then Part 1 is always required Mapper Notes: Ex. PLT, CTN, CTN25 etc. All valid standard codes are Optional.	O	AN	3/5	Optional
TD102	80	Lading Quantity Description: Number of units (pieces) of the lading commodity Mapper Notes: <i>pallet or carton qty</i>	O	N0	1/7	Optional
TD106	187	Weight Qualifier Description: Code defining the type of weight <u>Code Name</u> G Gross Weight	O	ID	1/2	Optional
TD107	81	Weight Description: Numeric value of weight	O	R	1/10	Optional
TD108	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 <u>Code Name</u> KG Kilogram LB Pound	O	ID	2/2	Optional
TD109	183	Volume Description: Value of volumetric measure	O	R	1/8	Optional
TD110	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 All valid standard codes are Optional.	O	ID	2/2	Optional

HL Hierarchical Level - Item

Pos: 10	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 4

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

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	Mandatory
HL02	734	Hierarchical Parent ID Number Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	O	AN	1/12	Optional
HL03	735	Hierarchical Level Code Description: Code defining the characteristic of a level in a hierarchical structure <u>Code Name</u> I - Line Detail	M	ID	1/2	Mandatory
HL04	736	Hierarchical Child Code Description: Code indicating if there are hierarchical child data segments subordinate to the level being described <u>Code Name</u> 1 - Additional SubOrdinate HL segments	M	ID	1/1	Optional

Comments:

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

LIN**Line Identification**

Pos: 110	Max: 20
Detail - Mandatory	
Loop: HL	Elements: 7

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>
LIN01	350	Assigned Identification Description: Mapper Notes: Line_Number.	O	AN	1/20	Optional
LIN02	235	Product / Service ID Qualifier Description: Code identifying the type/source of the descriptive number Optional in Product/Service ID (234) <u>Code Name</u> UP UPC	M	ID	2/2	Optional
LIN03	234	Product / Service ID Description: Identifying Number for product or service	M	ID	1/48	Optional
LIN04	235	Product / Service ID Qualifier Description: Code identifying the type/source of the descriptive number Optional in Product/Service ID (234) <u>Code Name</u> VN Vendor Item	M	ID	2/2	Optional
LIN05	234	Product / Service ID Description: Identifying Number for product or service	M	ID	1/48	Optional
LIN06	235	Product / Service ID Qualifier Description: Code identifying the type/source of the descriptive number Optional in Product/Service ID (234) <u>Code Name</u> SK Item	O	ID	2/2	
LIN07	234	Product / Service ID Description: Identifying Number for product or service	C	ID	1/48	

SN1 Item Detail (Line Level)

Pos: 30	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 4

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>
SN102	382	<p>Number of Units Shipped</p> <p>Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set</p> <p>Mapper Notes: <i>D: Ship_qty</i></p>	M	R	1/10	Mandatory
SN103	355	<p>Unit or Basis for Measurement Code</p> <p>Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p><u>Code Name</u></p> <p>EA Each</p>	M	ID	2/2	Mandatory
SN105	330	<p>Quantity Ordered</p> <p>Description: Quantity ordered</p>	O	R	1/15	Optional
SN106	355	<p>Unit or Basis for Measurement Code</p> <p>Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p>All valid standard codes are Optional.</p>	O	ID	2/2	Optional

Syntax:

- SN105 P0506 -- If either SN105 or SN106 are present, then the others are required.

Comments:

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

HL

Hierarchical Level – Carton

Pos: 10	Max: 1
Detail - Conditional	
Loop: HL	Elements: 4

Carton level data can be sent at the Pack level if labeled pallets are not being sent.

If cartons are described at Pack level, This HL Loop is not Optional.

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

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	<p>Hierarchical ID Number Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure</p>	M	AN	1/12	Mandatory
HL02	734	<p>Hierarchical Parent ID Number Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to</p>	O	AN	1/12	Optional
HL03	735	<p>Hierarchical Level Code Description: Code defining the characteristic of a level in a hierarchical structure</p> <p><u>Code Name</u></p> <p>Q Sub-Pack (Carton)</p>	M	ID	1/2	Mandatory
HL04	736	<p>Hierarchical Child Code Description: Code indicating if there are hierarchical child data segments subordinate to the level being described</p> <p><u>Code Name</u></p> <p>1 Additional SubOrdinate HL segments</p>	M	ID	1/1	Optional

Comments:

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

Conditional: Either the Pallet HL Loop or the Carton HL Loop is required on the 856 for Cross Dock Orders.

TD1

Carrier Details (Quantity and Weight)

Pos: 110	Max: 20
Detail – Mandatory If this HL Loop is Optional	
Loop: HL	Elements: 7

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>
TD101	103	<p>Packaging Code</p> <p>Description: Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is Optional, then Part 1 is always required</p> <p>Mapper Notes: <i>if PRF05='PPK' then TD101 = 'PLT' else TD101 = 'CTN'</i></p> <p>All valid standard codes are Optional.</p>	O	AN	3/5	Optional
TD102	80	<p>Lading Quantity</p> <p>Description: Number of units (pieces) of the lading commodity</p> <p>Mapper Notes: <i>carton_qty</i></p>	O	N0	1/7	Optional
TD106	187	<p>Weight Qualifier</p> <p>Description: Code defining the type of weight</p> <p style="margin-left: 20px;"><u>Code Name</u></p> <p style="margin-left: 20px;">G Gross Weight</p>	O	ID	1/2	Optional
TD107	81	<p>Weight</p> <p>Description: Numeric value of weight</p>	O	R	1/10	Optional
TD108	355	<p>Unit or Basis for Measurement Code</p> <p>Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p style="margin-left: 20px;"><u>Code Name</u></p> <p style="margin-left: 20px;">KG Kilogram</p> <p style="margin-left: 20px;">LB Pound</p>	O	ID	2/2	Optional
TD109	183	<p>Volume</p> <p>Description: Value of volumetric measure</p>	O	R	1/8	Optional
TD110	355	<p>Unit or Basis for Measurement Code</p> <p>Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p>All valid standard codes are Optional.</p>	O	ID	2/2	Optional

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 120	Max: 12
Detail – Mandatory	
If this HL Loop is Optional	
Loop: HL	Elements: 15

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>
TD502	66	Identification Code Qualifier Description: Code designating the system/method of code structure Optional for Identification Code <u>Code Name</u> 8 <u>UCC 128 Code</u>	M	ID	1/2	Mandatory
TD503	67	Identification Code Description: Code identifying a party or other code Mapper Notes: <i>Carton_no</i>	M	AN	2/80	Mandatory
TD504	91	Transportation Method/Type Code Description: Code specifying the method or type of transportation for the shipment All valid standard codes are Optional.	C	ID	1/2	Optional
TD507	309	Location Qualifier Description: Code identifying type of location <u>Code Name</u> 94 <u>Receiver's location id</u>	O	ID	1/2	Mandatory
TD508	310	Location Identifier Description: Code which identifies a specific location Mapper Notes: <i>store_number or Distribution Center</i>	C	AN	1/30	Mandatory

Syntax:

1. TD502 R0204050612 -- At least one of TD502, TD504, TD505, TD506 or TD512 is required.
2. TD502 C0203 -- If TD502 is present, then TD503 is required
3. TD507 C0708 -- If TD507 is present, then TD508 is required

SE**Transaction Set Trailer**

Pos: 20	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

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

Comments:

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

GE

Functional Group Trailer

Pos: 85	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

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>
GE01	97	- Number of Transaction Sets Included Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element Mapper Notes: <i>Control-Count</i>	M	N0	1/6	Mandatory
GE02	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	N0	1/9	Mandatory

Comments:

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

IEA Interchange Control Trailer

Pos: 100	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

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>
IEA01	I16	- Number of Included Functional Groups Description: A count of the number of functional groups included in an interchange	M	N0	1/5	Mandatory
IEA02	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9	Mandatory