

# **856 Ship Notice/Manifest**

**X12/V3040/856: 856 Ship Notice/Manifest**

**Version: 1.0 Final**

<b>Author:</b>	<b>B2B Services</b>
<b>Publication:</b>	
<b>Notes:</b>	<b>Proprietary Confidential Material</b>

# 856 Ship Notice/Manifest

## Functional Group=SH

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.

### Not Defined:

<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>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

### Heading:

<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

### Detail:

<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>
<b>LOOP ID - HL</b>					<b>200000</b>	<b>C2/010L</b>	
010	HL	Hierarchical Level	M	1		C2/010	Must use
120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used
120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used
150	REF	Reference Numbers	O	>1			Used
150	REF	Reference Numbers	O	>1			Used
150	REF	Reference Numbers	O	>1			Used
150	REF	Reference Numbers	O	>1			Used
200	DTM	Date/Time Reference	O	10			Used
200	DTM	Date/Time Reference	O	10			Used
<b>LOOP ID - N1</b>					<b>200</b>		
220	N1	Name	O	1			Used
220	N1	Name	O	1			Used
240	N3	Address Information	O	2			Used
250	N4	Geographic Location	O	1			Used
220	N1	Name	O	1			Used
<b>LOOP ID - HL</b>					<b>200000</b>	<b>C2/010L</b>	
010	HL	Hierarchical Level	M	1		C2/010	Must use
110	TD1	Carrier Details (Quantity and Weight)	O	20			Used
130	TD3	Carrier Details (Equipment)	O	12			Used
<b>LOOP ID - HL</b>					<b>200000</b>	<b>C2/010L</b>	
010	HL	Hierarchical Level	M	1		C2/010	Must use
050	PRF	Purchase Order Reference	O	1			Used
<b>LOOP ID - HL</b>					<b>200000</b>	<b>C2/010L</b>	
010	HL	Hierarchical Level	M	1		C2/010	Must use
020	LIN	Item Identification	O	1			Used
030	SN1	Item Detail (Shipment)	O	1			Used
<b>LOOP ID - N1</b>					<b>200</b>		

<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>
220	N1	Name	O	1			Used
240	N3	Address Information	O	2			Used
250	N4	Geographic Location	O	1			Used

**Summary:**

<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	CTT	Transaction Totals	O	1		N3/010	Used
020	SE	Transaction Set Trailer	M	1			Must use

**Not Defined:**

<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>
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

**Notes:**

3/010 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.

**Comments:**

- 2/010L The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
- 2/010 The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
- 2/010L The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
- 2/010 The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
- 2/010L The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
- 2/010 The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
- 2/010L The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
- 2/010 The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.

# ISA Interchange Control Header

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

**User Option (Usage):** Must use

To start and identify an interchange of one or more functional groups and interchange-related control 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>
ISA01	I01	<b>Authorization Information Qualifier</b> <b>Description:</b> Code to identify the type of information in the Authorization Information <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
ISA02	I02	<b>Authorization Information</b> <b>Description:</b> Information used for additional identification or authorization of the sender or the data in the interchange. The type of information is set by the Authorization Information Qualifier.	M	AN	10/10	Must use
ISA03	I03	<b>Security Information Qualifier</b> <b>Description:</b> Code to identify the type of information in the Security Information <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
ISA04	I04	<b>Security Information</b> <b>Description:</b> This is used for identifying the security information about the sender or the data in the interchange. The type of information is set by the Security Information Qualifier.	M	AN	10/10	Must use
ISA05	I05	<b>Interchange ID Qualifier</b> <b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
ISA06	I06	<b>Interchange Sender ID</b> <b>Description:</b> Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element	M	AN	15/15	Must use
ISA07	I05	<b>Interchange ID Qualifier</b> <b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
ISA08	I07	<b>Interchange Receiver ID</b> <b>Description:</b> Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them	M	AN	15/15	Must use
ISA09	I08	<b>Interchange Date</b> <b>Description:</b> Date of the interchange	M	DT	6/6	Must use
ISA10	I09	<b>Interchange Time</b> <b>Description:</b> Time of the interchange	M	TM	4/4	Must use

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA11	I10	<b>Interchange Control Standards Identifier</b> <b>Description:</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer <b>All valid standard codes are used.</b>	M	ID	1/1	Must use
ISA12	I11	<b>Interchange Control Version Number</b> <b>Description:</b> Code specifying the version number of the interchange control segments <b>All valid standard codes are used.</b>	M	ID	5/5	Must use
ISA13	I12	<b>Interchange Control Number</b> <b>Description:</b> This number uniquely identifies the interchange data to the sender. It is assigned by the sender. Together with the sender ID it uniquely identifies the interchange data to the receiver. It is suggested that the sender, receiver, and all third parties be able to maintain an audit trail of interchanges using this number.	M	N0	9/9	Must use
ISA14	I13	<b>Acknowledgment Requested</b> <b>Description:</b> Code sent by the sender to request an interchange acknowledgment <b>All valid standard codes are used.</b>	M	ID	1/1	Must use
ISA15	I14	<b>Test Indicator</b> <b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test or production <b>All valid standard codes are used.</b>	M	ID	1/1	Must use
ISA16	I15	<b>Subelement Separator</b> <b>Description:</b> This is a field reserved for future expansion in separating data element subgroups. (In the interest of a migration to international standards, this must be different from the data element separator).	M	AN	1/1	Must use

# GS Functional Group Header

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

**User Option (Usage):** Must use

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

## Element Summary:

<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	<b>Functional Identifier Code</b> <b>Description:</b> Code identifying a group of application related transaction sets <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
GS02	142	<b>Application Sender's Code</b> <b>Description:</b> Code identifying party sending transmission; codes agreed to by trading partners	M	AN	2/15	Must use
GS03	124	<b>Application Receiver's Code</b> <b>Description:</b> Code identifying party receiving transmission; codes agreed to by trading partners	M	AN	2/15	Must use
GS04	373	<b>Date</b> <b>Description:</b> Date (YYMMDD)	M	DT	6/6	Must use
GS05	337	<b>Time</b> <b>Description:</b> 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	Must use
GS06	28	<b>Group Control Number</b> <b>Description:</b> Assigned number originated and maintained by the sender	M	N0	1/9	Must use
GS07	455	<b>Responsible Agency Code</b> <b>Description:</b> Code used in conjunction with Data Element 480 to identify the issuer of the standard <b>All valid standard codes are used.</b>	M	ID	1/2	Must use
GS08	480	<b>Version / Release / Industry Identifier Code</b> <b>Description:</b> Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed <b>All valid standard codes are used.</b>	M	AN	1/12	Must use

## Semantics:

1. GS04 is the group date.
2. GS05 is the group time.

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

**Comments:**

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

# ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

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

## Element Summary:

<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	<b>Transaction Set Identifier Code</b> <b>Description:</b> Code uniquely identifying a Transaction Set. <b>All valid standard codes are used.</b>	M	ID	3/3	Must use
ST02	329	<b>Transaction Set Control Number</b> <b>Description:</b> 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	Must use

## Semantics:

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

# BSN Beginning Segment for Ship Notice

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

**User Option (Usage):** Must use

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

## Element Summary:

<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	<b>Transaction Set Purpose Code</b> <b>Description:</b> Code identifying purpose of transaction set. <b>The Home Depot Requirements:</b> <i>Constant '14' for advance notification</i>	M	ID	2/2	Must use
		<b>Code Name</b> 14 Advance Notification				
BSN02	396	<b>Shipment Identification</b> <b>Description:</b> A unique control number assigned by the original shipper to identify a specific shipment. <b>The Home Depot Requirements:</b> <i>Must be a unique document identifier. This reference number should be guaranteed to be non-repeating for at least a twelve month period. Must be &lt; or = 22 characters.</i>	M	AN	2/30	Must use
BSN03	373	<b>Date</b> <b>Description:</b> Date (YYMMDD). <b>The Home Depot Requirements:</b> <i>Transaction creation date</i>	M	DT	6/6	Must use
BSN04	337	<b>Time</b> <b>Description:</b> 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) <b>The Home Depot Requirements:</b> <i>Transaction creation time</i>	M	TM	4/8	Must use
BSN05	1005	<b>Hierarchical Structure Code</b> <b>Description:</b> Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set. <b>The Home Depot Requirements:</b> <i>Constant '0003' for shipment, container, order, item</i> <b>Code Name</b> 0003 Shipment, Packaging, Order, Item	O	ID	4/4	Used

## Syntax:

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

## Semantics:

1. BSN03 is the date the shipment transaction set is created.
2. BSN04 is the time the shipment transaction set is created.
3. BSN06 is limited to shipment related codes

**Comments:**

1. BSN06 and BSN07 differentiate the functionality of use for the transaction set

# Loop HL

Pos: 010	Repeat: 200000
Mandatory	
Loop: HL	Elements: N/A

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	HL	Hierarchical Level	M	1		Must use
120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		Used
120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		Used
150	REF	Reference Numbers	O	>1		Used
150	REF	Reference Numbers	O	>1		Used
150	REF	Reference Numbers	O	>1		Used
150	REF	Reference Numbers	O	>1		Used
200	DTM	Date/Time Reference	O	10		Used
200	DTM	Date/Time Reference	O	10		Used
220		Loop N1	O		200	Used

## The Home Depot Requirements:

*Shipment Level*

# HL Hierarchical Level

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

**User Option (Usage):** Must use

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

## Element Summary:

<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	<b>Hierarchical ID Number</b> <b>Description:</b> A unique number assigned by the sender to identify a particular data segment in a hierarchical structure. <b>The Home Depot Requirements:</b> <i>Sequence number. Should begin with 1 and increment by 1 for each occurrence of the HL segment in a given transaction set.</i>	M	AN	1/12	Must use
HL02	734	<b>Hierarchical Parent ID Number</b> <b>Description:</b> Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to. <b>The Home Depot Requirements:</b> <i>Not applicable for the shipment level.</i>	O	AN	1/12	Used
HL03	735	<b>Hierarchical Level Code</b> <b>Description:</b> Code defining the characteristic of a level in a hierarchical structure. <b>The Home Depot Requirements:</b> <i>Constant 'S' for shipment.</i> <u>Code</u> <u>Name</u> S        Shipment	M	ID	1/2	Must use

## 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.

# TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 120	Max: 12
Detail - Optional	
Loop: HL	Elements: 6

**User Option (Usage):** Used

To specify the carrier, sequence of routing and to 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	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67). <b>The Home Depot Requirements:</b> <i>Constant '2' for Standard Carrier Alpha Code (SCAC)</i>	C	ID	1/2	Used
		<b>Code Name</b> 2 Standard Carrier Alpha Code (SCAC)				
TD503	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code. <b>The Home Depot Requirements:</b> <i>Should contain vessel's SCAC code as assigned by the National Motor Freight Traffic Association.</i>	C	AN	2/17	Used
TD504	91	<b>Transportation Method/Type Code</b> <b>Description:</b> Code specifying the method or type of transportation for the shipment. <b>The Home Depot Requirements:</b> <i>Use 'S' for Ocean, 'A' for Air, 'X' for Mini Lading Bridge (Ocean/Rail), 'J' for Motor, 'R' for Rail, 'C' for Consolidated Mini Land Bridge, 'MB' for Mini Land Bridge Break Bulk, 'Q' for All Water Break Bulk.</i>	C	ID	1/2	Used
		<b>Code Name</b> A Air C Consolidation J Motor Q Conventional Ocean R Rail S Ocean X Intermodal (Piggyback) MB Motor (Bulk Carrier) ZZ Mutually defined				
TD505	387	<b>Routing</b> <b>Description:</b> Free-form description of the routing or requested routing for shipment, or the originating carrier's identity. <b>The Home Depot Requirements:</b> <i>Freeform Carrier Name</i>	C	AN	1/35	Used
TD507	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>The Home Depot Requirements:</b> <i>Constant 'OR' for Port of Lading</i>	O	ID	1/2	Used
		<b>Code Name</b> OR Origin (Shipping Point)				

TD508	310	<b>Code Name</b> <b>Location Identifier</b>	C	AN	1/30	Used
-------	-----	--	---	----	------	------

**Description:** Code which identifies a specific location.

**The Home Depot Requirements:** *Should contain the port of lading code as assigned by International Standards Organization.*

### Syntax:

1. R0204050612 - At least one of TD502,TD504,TD505,TD506,TD512 is required
2. C0203 - If TD502 is present, then all of TD503 are required
3. C0708 - If TD507 is present, then all of TD508 are required
4. C1011 - If TD510 is present, then all of TD511 are required

### 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; use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

# TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 120	Max: 12
Detail - Optional	
Loop: HL	Elements: 3

**User Option (Usage):** Used

To specify the carrier, sequence of routing and to 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>
TD504	91	<b>Transportation Method/Type Code</b> <b>Description:</b> Code specifying the method or type of transportation for the shipment. <b>The Home Depot Requirements:</b> Use 'S' for Ocean, 'A' for Air, 'X' for Mini Lading Bridge (Ocean/Rail), 'J' for Motor, 'R' for Rail.	C	ID	1/2	Used
		<b>Code Name</b> A Air J Motor R Rail S Ocean X Intermodal (Piggyback)				
TD507	309	<b>Location Qualifier</b> <b>Description:</b> Code identifying type of location. <b>The Home Depot Requirements:</b> Constant 'PA' for Port of Arrival.	O	ID	1/2	Used
		<b>Code Name</b> PA Port of Arrival <b>Description:</b> Port where shipment enters country				
TD508	310	<b>Location Identifier</b> <b>Description:</b> Code which identifies a specific location. <b>The Home Depot Requirements:</b> Should contain the final port of destination as assigned by the International Standards Organization.	C	AN	1/30	Used

## Syntax:

1. R0204050612 - At least one of TD502,TD504,TD505,TD506,TD512 is required
2. C0203 - If TD502 is present, then all of TD503 are required
3. C0708 - If TD507 is present, then all of TD508 are required
4. C1011 - If TD510 is present, then all of TD511 are required

## 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; use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

# REF Reference Numbers

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

**User Option (Usage):** Used

To specify identifying numbers.

## 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	<b>Reference Number Qualifier</b> <b>Description:</b> Code qualifying the Reference Number. <b>The Home Depot Requirements:</b> <i>Constant 'FF' for Freight Forwarder name.</i>	M	ID	2/2	Must use
		<b>Code Name</b> FF Film Number <b>Description:</b> Number assigned by the film distribution company				
REF02	127	<b>Reference Number</b> <b>Description:</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	C	AN	1/30	Used

## Syntax:

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

# REF Reference Numbers

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

**User Option (Usage):** Used

To specify identifying numbers.

## 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	<b>Reference Number Qualifier</b> <b>Description:</b> Code qualifying the Reference Number. <b>The Home Depot Requirements:</b> <i>Constant 'BM' for Bill of Lading Number.</i> <u>Code Name</u>	M	ID	2/2	Must use
REF02	127	BM Bill of Lading Number <b>Reference Number</b> <b>Description:</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	C	AN	1/30	Used

## Syntax:

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

# REF Reference Numbers

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

**User Option (Usage):** Used

To specify identifying numbers.

## 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	<b>Reference Number Qualifier</b> <b>Description:</b> Code qualifying the Reference Number. <b>The Home Depot Requirements:</b> <i>Constant 'V3' for Voyage Number.</i> <u>Code Name</u> V3 Voyage Number	M	ID	2/2	Must use
REF02	127	<b>Reference Number</b> <b>Description:</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	C	AN	1/30	Used

## Syntax:

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

# REF Reference Numbers

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

**User Option (Usage):** Used

To specify identifying numbers.

## 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	<b>Reference Number Qualifier</b> <b>Description:</b> Code qualifying the Reference Number. <b>The Home Depot Requirements:</b> <i>Constant 'VA' for Vessel Code</i>	M	ID	2/2	Must use
REF02	127	<b>Code Name</b> VA Vessel Agent Number <b>Reference Number</b> <b>Description:</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. <b>The Home Depot Requirements:</b> <i>Vessel code as assigned by Lloyd's Registry.</i>	C	AN	1/30	Used

## Syntax:

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

# DTM Date/Time Reference

Pos: 200	Max: 10
Detail - Optional	
Loop: HL	Elements: 5

**User Option (Usage):** Used

To specify pertinent dates and times

## 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>
DTM01	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time. <b>The Home Depot Requirements:</b> <i>Constant '011' for actual ship date/time.</i> <b>Code Name</b> 011 Shipped	M	ID	3/3	Must use
DTM02	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	C	DT	6/6	Used
DTM03	337	<b>Time</b> <b>Description:</b> 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
DTM04	623	<b>Time Code</b> <b>Description:</b> 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. <b>The Home Depot Requirements:</b> <i>Constant 'GM' for Greenwich Mean Time.</i> <b>Code Name</b> GM Greenwich Mean Time	O	ID	2/2	Used
DTM05	624	<b>Century</b> <b>Description:</b> The first two characters in the designation of the year (CCYY).	O	N0	2/2	Used

## Syntax:

1. R020306 - At least one of DTM02,DTM03,DTM06 is required
2. P0607 - If either DTM06,DTM07 is present, then all are required

# DTM Date/Time Reference

Pos: 200	Max: 10
Detail - Optional	
Loop: HL	Elements: 5

**User Option (Usage):** Used

To specify pertinent dates and times

## 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>
DTM01	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time. <b>The Home Depot Requirements:</b> <i>Constant '371' for estimated arrival date.</i> <b>Code Name</b> 371 Estimated Arrival Date	M	ID	3/3	Must use
DTM02	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	C	DT	6/6	Used
DTM03	337	<b>Time</b> <b>Description:</b> 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
DTM04	623	<b>Time Code</b> <b>Description:</b> 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. <b>The Home Depot Requirements:</b> <i>Constant 'GM' for Greenwich Mean Time.</i> <b>Code Name</b> GM Greenwich Mean Time	O	ID	2/2	Used
DTM05	624	<b>Century</b> <b>Description:</b> The first two characters in the designation of the year (CCYY).	O	N0	2/2	Used

## Syntax:

1. R020306 - At least one of DTM02,DTM03,DTM06 is required
2. P0607 - If either DTM06,DTM07 is present, then all are required

# Loop N1

Pos: 220	Repeat: 200
	Optional
Loop: N1	Elements:
	N/A

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
220	N1	Name	O	1		Used
220	N1	Name	O	1		Used
240	N3	Address Information	O	2		Used
250	N4	Geographic Location	O	1		Used
220	N1	Name	O	1		Used

# N1 Name

Pos: 220	Max: 1
Detail - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

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

## 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	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, or an individual <b>The Home Depot Requirements:</b> <i>Constant 'VN' for Vessel Name.</i>	M	ID	2/2	Must use
		<b>Code Name</b> VN Vendor				
N102	93	<b>Name</b> <b>Description:</b> Free-form name.	C	AN	1/35	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.

# N1 Name

Pos: 220	Max: 1
Detail - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

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

## 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	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, or an individual <b>The Home Depot Requirements:</b> <i>Constant 'M9' for Manufacturing/Factory</i>	M	ID	2/2	Must use
		<b>Code Name</b>				
N102	93	M9 Manufacturing <b>Name</b> <b>Description:</b> Free-form name. <b>The Home Depot Requirements:</b> <i>Vendor or manufacturer name of the physical place shipped from.</i>	C	AN	1/35	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.

# N3 Address Information

Pos: 240	Max: 2
Detail - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

To specify the location of the named party

## 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>
N301	166	<b>Address Information</b> <b>Description:</b> Address information	M	AN	1/35	Must use
N302	166	<b>Address Information</b> <b>Description:</b> Address information	O	AN	1/35	Used

# N4 Geographic Location

Pos: 250	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

**User Option (Usage):** Used

To specify the geographic place of the named party

## 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>
N401	19	<b>City Name</b> <b>Description:</b> Free-form text for city name.	O	AN	2/30	Used
N402	156	<b>State or Province Code</b> <b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency. <b>The Home Depot Requirements:</b> <i>Required only if the N401 is in the United States or Canada</i>	O	ID	2/2	Used
N403	116	<b>Postal Code</b> <b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States).	O	ID	3/9	Used
N404	26	<b>Country Code</b> <b>Description:</b> Code identifying the country.	O	ID	2/3	Used

## Syntax:

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

## Comments:

1. A combination of either N401 through N404 (or N405 and N406) may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the USA or Canada.

# N1 Name

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

**User Option (Usage):** Used

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

## 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	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, or an individual <b>The Home Depot Requirements:</b> <i>Constant 'OB' (Ordered By) code to identify the Home Depot Location.</i>	M	ID	2/2	Must use
		<b>Code Name</b> OB Ordered By				
N103	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67). <b>The Home Depot Requirements:</b> <i>Constant '92' Assigned by Buyer.</i>	C	ID	1/2	Used
		<b>Code Name</b> 92 Assigned by Buyer or Buyer's Agent				
N104	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code. <b>The Home Depot Requirements:</b> <i>Home Depot Distribution Center number (must be valid four digit (DC#)).</i>	C	AN	2/17	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.

# Loop HL

Pos: 010	Repeat: 200000
Mandatory	
Loop: HL	Elements: N/A

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	HL	Hierarchical Level	M	1		Must use
110	TD1	Carrier Details (Quantity and Weight)	O	20		Used
130	TD3	Carrier Details (Equipment)	O	12		Used

## The Home Depot Requirements:

*Container Level*

# HL Hierarchical Level

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

**User Option (Usage):** Must use

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

## Element Summary:

<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	<b>Hierarchical ID Number</b> <b>Description:</b> A unique number assigned by the sender to identify a particular data segment in a hierarchical structure. <b>The Home Depot Requirements:</b> <i>Sequence number. Should begin with 1 and increment by 1 for each occurrence of the HL segment in a given transaction set.</i>	M	AN	1/12	Must use
HL02	734	<b>Hierarchical Parent ID Number</b> <b>Description:</b> Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to. <b>The Home Depot Requirements:</b> <i>Not applicable for the shipment level.</i>	O	AN	1/12	Used
HL03	735	<b>Hierarchical Level Code</b> <b>Description:</b> Code defining the characteristic of a level in a hierarchical structure. <b>The Home Depot Requirements:</b> <i>Constant 'E' for Equipment (container).</i> <u>Code</u> <u>Name</u> E     Transportation Equipment	M	ID	1/2	Must use

## 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.

# TD1 Carrier Details (Quantity and Weight)

Pos: 110	Max: 20
Detail - Optional	
Loop: HL	Elements: 5

**User Option (Usage):** Used

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

## 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	<b>Packaging Code</b> <b>Description:</b> Code identifying the type of packaging. Part 1. Packaging form. Part 2. Packaging Material. <b>The Home Depot Requirements:</b> <i>The interests of shipper and cosignee are best served by the provision of carton counts. "Said to contain" pallet counts do not provide an adequate measure of shipment integrity. Therefore, The Home Depot requires the use of the 'PCS25' qualifier.</i>	O	AN	5/5	Used
		<u>Code Name</u> PCS Pieces <u>Code Name</u> 25 Corrugated or Solid				
TD102	80	<b>Lading Quantity</b> <b>Description:</b> Number of units (pieces) of the lading commodity. <b>The Home Depot Requirements:</b> <i>Must contain the actual number of lading pieces shipped. This count should be a carton count.</i>	C	NO	1/7	Used
TD106	187	<b>Weight Qualifier</b> <b>Description:</b> Code defining the type of weight. <b>The Home Depot Requirements:</b> <i>Constant 'A3' for shippers weight.</i>	O	ID	1/2	Used
		<u>Code Name</u> A3 Shippers Weight				
TD107	81	<b>Weight</b> <b>Description:</b> Numeric value of weight.	C	R	1/10	Used
TD108	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>The Home Depot Requirements:</b> <i>Use 'KG' for Kilograms or 'LB' for Pounds.</i>	C	ID	2/2	Used
		<u>Code Name</u> KG Kilogram LB Pound				

## Syntax:

1. C0102 - If TD101 is present, then all of TD102 are required
2. C0304 - If TD103 is present, then all of TD104 are required
3. C060708 - If TD106 is present, then all of TD107,TD108 are required

# TD3 Carrier Details (Equipment)

Pos: 130	Max: 12
Detail - Optional	
Loop: HL	Elements: 6

User Option (Usage): Used

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

## 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>
TD301	40	<b>Equipment Description Code</b> <b>Description:</b> Code identifying type of equipment used for shipment. <b>The Home Depot Requirements:</b> Use the following ANSI codes for Container description: 20 (20 foot container), 40 (40 foot container), 4B (40 foot high cube container), AC (40 foot standard refrigerated container), 2B (45 foot container), CI (40 foot high cube refrigerated container), FR (flat rack), CS (CFS-less than container load), OB (ocean break bulk)	M	ID	2/2	Must use
		<b>Code Name</b> 20 20 ft. IL Container (Open Top) 2B 20 ft. IL Container (Closed Top) 40 40 ft. IL Container (Open Top) 4B 40 ft. IL Container (Closed Top) AC Closed Container CI Container, Insulated CS Container-Low Side Open Top FR Flat Bed Trailer - Removable Sides OB Ocean Vessel (Break Bulk)				
TD302	206	<b>Equipment Initial</b> <b>Description:</b> Prefix or alphabetic part of an equipment unit's identifying number. <b>The Home Depot Requirements:</b> Container Number (Alpha prefix)	O	AN	1/4	Used
TD303	207	<b>Equipment Number</b> <b>Description:</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred). <b>The Home Depot Requirements:</b> Container Number	C	AN	1/10	Used
TD305	81	<b>Weight</b> <b>Description:</b> Numeric value of weight. <b>The Home Depot Requirements:</b> Cube-Cubic meters for the container	C	R	1/10	Used
TD306	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>The Home Depot Requirements:</b> Constant 'CO' for Cubic Meters	C	ID	2/2	Used
		<b>Code Name</b> CO Cubic Meters (Net)				
TD309	225	<b>Seal Number</b> <b>Description:</b> Unique number on seal used to close a shipment.	O	AN	2/15	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
<b>Syntax:</b>						
1. C0203 - If TD302 is present, then all of TD303 are required						
2. C040506 - If TD304 is present, then all of TD305,TD306 are required						

# Loop HL

Pos: 010	Repeat: 200000
Mandatory	
Loop: HL	Elements: N/A

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	HL	Hierarchical Level	M	1		Must use
050	PRF	Purchase Order Reference	O	1		Used

## The Home Depot Requirements:

*Order Level*

# HL Hierarchical Level

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

**User Option (Usage):** Must use

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

## Element Summary:

<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	<b>Hierarchical ID Number</b> <b>Description:</b> A unique number assigned by the sender to identify a particular data segment in a hierarchical structure. <b>The Home Depot Requirements:</b> <i>Sequence number. Should begin with 1 and increment by 1 for each occurrence of the HL segment in a given transaction set.</i>	M	AN	1/12	Must use
HL02	734	<b>Hierarchical Parent ID Number</b> <b>Description:</b> Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to. <b>The Home Depot Requirements:</b> <i>Not applicable for the shipment level.</i>	O	AN	1/12	Used
HL03	735	<b>Hierarchical Level Code</b> <b>Description:</b> Code defining the characteristic of a level in a hierarchical structure. <b>The Home Depot Requirements:</b> <i>Constant 'O' for Order</i> <b>Code Name</b> O Order	M	ID	1/2	Must use

## 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.

# PRF Purchase Order Reference

Pos: 050	Max: 1
Detail - Optional	
Loop: HL	Elements: 1

**User Option (Usage):** Used

To provide reference to a specific purchase order

## 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	<b>Purchase Order Number</b>	M	AN	1/22	Must use

**Description:** Identifying number for Purchase Order assigned by the orderer/purchaser.

**The Home Depot Requirements:** *The Home Depot's original purchase order number. This number should not be modified in any manner.*

# Loop HL

Pos: 010	Repeat: 200000
Mandatory	
Loop: HL	Elements: N/A

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	HL	Hierarchical Level	M	1		Must use
020	LIN	Item Identification	O	1		Used
030	SN1	Item Detail (Shipment)	O	1		Used
220		Loop N1	O		200	Used

## The Home Depot Requirements:

*Item Level*

# HL Hierarchical Level

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

**User Option (Usage):** Must use

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

## Element Summary:

<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	<b>Hierarchical ID Number</b> <b>Description:</b> A unique number assigned by the sender to identify a particular data segment in a hierarchical structure. <b>The Home Depot Requirements:</b> <i>Sequence number. Should begin with 1 and increment by 1 for each occurrence of the HL segment in a given transaction set.</i>	M	AN	1/12	Must use
HL02	734	<b>Hierarchical Parent ID Number</b> <b>Description:</b> Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to. <b>The Home Depot Requirements:</b> <i>Not applicable for the shipment level.</i>	O	AN	1/12	Used
HL03	735	<b>Hierarchical Level Code</b> <b>Description:</b> Code defining the characteristic of a level in a hierarchical structure. <b>The Home Depot Requirements:</b> <i>Constant 'I' for Item</i> <u>Code</u> <u>Name</u> S       Shipment	M	ID	1/2	Must use

## 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.

# LIN Item Identification

Pos: 020	Max: 1
Detail - Optional	
Loop: HL	Elements: 3

**User Option (Usage):** Used

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>
LIN01	350	<b>Assigned Identification</b> <b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set. <b>The Home Depot Requirements:</b> <i>Sequence number. Should begin with 1 and increment for each occurrence of the HL segment in a given transaction set.</i>	O	AN	1/11	Used
LIN02	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <b>The Home Depot Requirements:</b> <i>Constant 'SK' for Stock Keeping Unit (SKU)</i>	M	ID	2/2	Must use
LIN03	234	<b>Code Name</b> SK Stock Keeping Unit (SKU) <b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service. <b>The Home Depot Requirements:</b> <i>Home Depot's 6 digit SKU for this item.</i>	M	AN	1/30	Must use

## Syntax:

1. C0405 - If LIN04 is present, then all of LIN05 are required
2. C0607 - If LIN06 is present, then all of LIN07 are required
3. C0809 - If LIN08 is present, then all of LIN09 are required
4. C1011 - If LIN10 is present, then all of LIN11 are required
5. C1213 - If LIN12 is present, then all of LIN13 are required
6. C1415 - If LIN14 is present, then all of LIN15 are required
7. C1617 - If LIN16 is present, then all of LIN17 are required
8. C1819 - If LIN18 is present, then all of LIN19 are required
9. C2021 - If LIN20 is present, then all of LIN21 are required
10. C2223 - If LIN22 is present, then all of LIN23 are required
11. C2425 - If LIN24 is present, then all of LIN25 are required
12. C2627 - If LIN26 is present, then all of LIN27 are required
13. C2829 - If LIN28 is present, then all of LIN29 are required
14. C3031 - If LIN30 is present, then all of LIN31 are required

## Semantics:

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.

# SN1 Item Detail (Shipment)

Pos: 030	Max: 1
Detail - Optional	
Loop: HL	Elements: 3

**User Option (Usage):** Used

To specify line item detail relative 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>
SN101	350	<b>Assigned Identification</b> <b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set. <b>The Home Depot Requirements:</b> <i>Sequence number. Should begin with 1 and increment by 1 for each occurrence of the LIN segment.</i>	O	AN	1/11	Used
SN102	382	<b>Number of Units Shipped</b> <b>Description:</b> Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set. <b>The Home Depot Requirements:</b> <i>Total item quantity shipped. Translation of eaches to packs or linear feet to rolls is invalid and will cause the item information in the ship notice to be useless.</i>	M	R	1/10	Must use
SN103	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>The Home Depot Requirements:</b> <i>Request smallest saleable unit/equivalent The Home Depot P.O. unit.</i> <b>All valid standard codes are used.</b>	M	ID	2/2	Must use

## Syntax:

1. C0506 - If SN105 is present, then all of SN106 are required

## Semantics:

1. SN101 is the ship notice line item identification.

## Comments:

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

# Loop N1

Pos: 220	Repeat: 200
	Optional
Loop: N1	Elements:
	N/A

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
220	N1	Name	O	1		Used
240	N3	Address Information	O	2		Used
250	N4	Geographic Location	O	1		Used

# N1 Name

Pos: 220	Max: 1
Detail - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

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

## 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	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, or an individual <b>The Home Depot Requirements:</b> <i>Constant 'M9' for manufacturing/factory</i>	M	ID	2/2	Must use
N102	93	<b>Code Name</b> M9 Manufacturing <b>Name</b> <b>Description:</b> Free-form name. <b>The Home Depot Requirements:</b> <i>Vendor or manufacturer name of the physical place shipped from</i>	C	AN	1/35	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.

# N3 Address Information

Pos: 240	Max: 2
Detail - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

To specify the location of the named party

## 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>
N301	166	<b>Address Information</b> <b>Description:</b> Address information	M	AN	1/35	Must use
N302	166	<b>Address Information</b> <b>Description:</b> Address information	O	AN	1/35	Used

# N4 Geographic Location

Pos: 250	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

**User Option (Usage):** Used

To specify the geographic place of the named party

## 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>
N401	19	<b>City Name</b> <b>Description:</b> Free-form text for city name.	O	AN	2/30	Used
N402	156	<b>State or Province Code</b> <b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency. <b>The Home Depot Requirements:</b> <i>Required only if the N401 is in the United States or Canada</i>	O	ID	2/2	Used
N403	116	<b>Postal Code</b> <b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States).	O	ID	3/9	Used
N404	26	<b>Country Code</b> <b>Description:</b> Code identifying the country.	O	ID	2/3	Used

## Syntax:

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

## Comments:

1. A combination of either N401 through N404 (or N405 and N406) may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the USA or Canada.

# CTT Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

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>
CTT01	354	<b>Number of Line Items</b> <b>Description:</b> Total number of line items in the transaction set. <b>The Home Depot Requirements:</b> <i>The accumulation of the number of HL segments.</i>	M	NO	1/6	Must use
CTT02	347	<b>Hash Total</b> <b>Description:</b> 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. <b>The Home Depot Requirements:</b> <i>The sum of units shipped (SN102) for each SN1 segment.</i>	O	R	1/10	Used

## Syntax:

1. C0304 - If CTT03 is present, then all of CTT04 are required
2. C0506 - If CTT05 is present, then all of CTT06 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):** Must use

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

## Element Summary:

<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	<b>Number of Included Segments</b> <b>Description:</b> Total number of segments included in a transaction set including ST and SE segments.	M	NO	1/10	Must use
SE02	329	<b>Transaction Set Control Number</b> <b>Description:</b> 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	Must use

## Comments:

- SE is the last segment of each transaction set.

# GE Functional Group Trailer

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

**User Option (Usage):** Must use

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

## Element Summary:

<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	<b>Number of Transaction Sets Included</b> <b>Description:</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	NO	1/6	Must use
GE02	28	<b>Group Control Number</b> <b>Description:</b> Assigned number originated and maintained by the sender	M	NO	1/9	Must use

## Semantics:

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

## Comments:

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

# IEA Interchange Control Trailer

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

**User Option (Usage):** Must use

To define the end of an interchange of one or more functional groups and interchange-related control 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>
IEA01	I16	<b>Number of Included Functional Groups</b> <b>Description:</b> A count of the number of functional groups included in a transmission.	M	NO	1/5	Must use
IEA02	I12	<b>Interchange Control Number</b> <b>Description:</b> This number uniquely identifies the interchange data to the sender. It is assigned by the sender. Together with the sender ID it uniquely identifies the interchange data to the receiver. It is suggested that the sender, receiver, and all third parties be able to maintain an audit trail of interchanges using this number.	M	NO	9/9	Must use

# Table of Contents

Ship Notice/Manifest .....	2
Interchange Control Header .....	4
Functional Group Header .....	6
Transaction Set Header .....	8
Beginning Segment for Ship Notice .....	9
Loop HL .....	11
Hierarchical Level .....	12
Carrier Details (Routing Sequence/Transit Time) .....	13
Carrier Details (Routing Sequence/Transit Time) .....	15
Reference Numbers .....	16
Reference Numbers .....	17
Reference Numbers .....	18
Reference Numbers .....	19
Date/Time Reference .....	20
Date/Time Reference .....	21
Loop N1 .....	22
Name .....	23
Name .....	24
Address Information .....	25
Geographic Location .....	26
Name .....	27
Loop HL .....	28
Hierarchical Level .....	29
Carrier Details (Quantity and Weight) .....	30
Carrier Details (Equipment) .....	31
Loop HL .....	33
Hierarchical Level .....	34
Purchase Order Reference .....	35
Loop HL .....	36
Hierarchical Level .....	37
Item Identification .....	38
Item Detail (Shipment) .....	39
Loop N1 .....	40
Name .....	41
Address Information .....	42
Geographic Location .....	43
Transaction Totals .....	44
Transaction Set Trailer .....	45
Functional Group Trailer .....	46
Interchange Control Trailer .....	47