

# **Zappos EDI Guideline**

**X12/V4010/856: 856 Advance Shipment Notice**

**Version: 2.0**

<b>Author:</b>	<b>Zappos</b>
<b>Created:</b>	<b>08/31/2012</b>

# Electronic Data Interchange

## 856 – Ship Notice/Manifest

(Inbound to Zappos, X12 4010)

July 2011

**Last updated:** *Date: 2016-04-14*

### **Purpose**

This document provides detailed guidelines and conventions for implementing electronic shipment notifications with Zappos. Our 856 Ship Notice/Manifest, as detailed in this document, will provide you with all of the information necessary to fill our requirements.

These guidelines comply with published ASC X12 standards for EDI version 4010 for all data elements and segments.

Mandatory segments and elements are always required on every document. Optional segments and elements that are required by Zappos are marked as “Must Use”. Segment usage is marked at the top of each page under Usage. Element usage is marked in the far-left column beside each element. If the column is blank, the element is optional. Information in the Attributes column is from the ASC X12 standards and is provided for reference only. Trading Partners must adhere to our requirements as indicated by “Must Use”.

### **Business Rules**

This EDI transaction is used to notify Zappos of shipments or to notify Zappos of the closure of a shipment or partial shipment.

A tracking number should be included in the REF02 segment.

A dispatch number should be included in the REF02 segment.

### **Contacts**

EDI Team

[edi@zappos.com](mailto:edi@zappos.com)

### **Communication IDs**

#### **Testing**

S/R ID: ZZ/ZAPPOSKY

Account/User ID: VANS/HAMAIL

## **Production**

S/R ID: ZZ/ZAPPOSKY

Account/User ID: VANS/HAMAIL

### **Delimiters**

#### **Element Separator - “\*”**

(HEX “2A” in ASCII) (HEX “5C” in EBCDIC)

#### **Component (Sub Element) Separator - “>”**

(HEX “3E” in ASCII) (HEX “6E” in EBCDIC)

#### **Segment Terminator - “\n”**

(HEX “0A” in ASCII) (HEX “15” in EBCDIC)

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# 856 Ship Notice/Manifest

## Functional Group=SH

This Standard 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>1</b>	<b>C2/010L</b>	
010	HL	Hierarchical Level	M	1		C2/010	Must use
110	TD1	Carrier Details (Quantity and Weight)	M	1			Must use
120	TD5	Carrier Details (Routing Sequence/Transit Time)	M	1			Must use
150	REF	Reference Identification	M	3			Must use
200	DTM	Date/Time Reference	M	2			Must use
210	FOB	F.O.B. Related Instructions	O	1			Used
<b>LOOP ID - N1</b>					<b>2</b>		
220	N1	Name	M	1			Must use
230	N2	Additional Name Information	O	2			Used
240	N3	Address Information	O	1			Used
250	N4	Geographic Location	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
050	PRF	Purchase Order Reference	M	1			Must use
150	REF	Reference Identification	M	2			Must use
<b>LOOP ID - HL</b>					<b>200000</b>	<b>C2/010L</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>
010	HL	Hierarchical Level	M	1		C2/010	Must use
190	MAN	Marks and Numbers	M	1			Must use
<b><u>LOOP ID - HL</u></b>					<b><u>200000</u></b>	<b><u>C2/010L</u></b>	
010	HL	Hierarchical Level	M	1		C2/010	Must use
020	LIN	Item Identification	M	1			Must use
030	SN1	Item Detail (Shipment)	M	1			Must use
070	PID	Product/Item Description	O	2			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	M	1		N3/010	Must use
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.
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**Change History:**

04/15/2016: Added Mandatory BX Qualifier and requirements for the REF segment in the Shipping Detail loop.

08/31/2012: Updated N2 segment Sample Data from C/O ZAPPOS FULFILLMENT CENTERS, INC. to C/O AMAZON.COM KYDC LLC.

02/17/201: Added PRT qualifier to the REF01 segment in the order level HL Loop.

Added user note to REF segment in the HL Loop:

-Vendor ID Number, the Zappos assigned vendor number, is mandatory

-Product type is optional on the Advanced Shipment Notice but must appear on the Shipping Label

02/03/2011: Added use of N2 segment to accommodate additional address name information

12/6/2010: Added use of FOB and N1 Ship to and Ship From

# ISA Interchange Control Header

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

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

To start and identify an interchange of zero 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>	M	ID	2/2	Must use

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

**Code Name**

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

ISA02	I02	<b>Authorization Information</b>	M	AN	10/10	Must use
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**Description:** Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)

ISA03	I03	<b>Security Information Qualifier</b>	M	ID	2/2	Must use
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**Description:** Code to identify the type of information in the Security Information

ISA04	I04	<b>Security Information</b>	M	AN	10/10	Must use
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**Description:** This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)

ISA05	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use
-------	-----	---------------------------------	---	----	-----	----------

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

**Code Name**

ZZ Mutually Defined

ISA06	I06	<b>Interchange Sender ID</b>	M	AN	15/15	Must use
-------	-----	------------------------------	---	----	-------	----------

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

**External Information:** *This field will be the senders EDI ID*

ISA07	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use
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**Description:** Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

**All valid standard codes are used.**

ISA08	I07	<b>Interchange Receiver ID</b>	M	AN	15/15	Must use
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**Description:** Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them

**External Information:** *This field will be the Zappos EDI receiver ID*

**Formatting Notes:** ZAPPOSKY

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>						
ISA09	I08	<b>Interchange Date</b>	M	DT	6/6	Must use						
<p><b>Description:</b> Date of the interchange</p> <p><b>External Information:</b> <i>This field will be the date the EDI message was created</i></p> <p><b>Formatting Notes:</b> YYMMDD</p>												
ISA10	I09	<b>Interchange Time</b>	M	TM	4/4	Must use						
<p><b>Description:</b> Time of the interchange</p> <p><b>Formatting Notes:</b> HHMM</p>												
ISA11	I10	<b>Interchange Control Standards Identifier</b>	M	ID	1/1	Must use						
<p><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</p> <p><b>All valid standard codes are used.</b></p>												
ISA12	I11	<b>Interchange Control Version Number</b>	M	ID	5/5	Must use						
<p><b>Description:</b> Code specifying the version number of the interchange control segments</p> <p><b>All valid standard codes are used.</b></p>												
ISA13	I12	<b>Interchange Control Number</b>	M	NO	9/9	Must use						
<p><b>Description:</b> A control number assigned by the interchange sender</p> <p><b>External Information:</b> <i>This field will be a unique control number representing the ISA - IEA transaction</i></p>												
ISA14	I13	<b>Acknowledgment Requested</b>	M	ID	1/1	Must use						
<p><b>Description:</b> Code sent by the sender to request an interchange acknowledgment (TA1)</p> <p><b>All valid standard codes are used.</b></p>												
ISA15	I14	<b>Usage Indicator</b>	M	ID	1/1	Must use						
<p><b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information</p> <p><b>All valid standard codes are used.</b></p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Data Type</u></th> </tr> </thead> <tbody> <tr> <td>P</td> <td>Production</td> </tr> <tr> <td>T</td> <td>Test</td> </tr> </tbody> </table>							<u>Code</u>	<u>Data Type</u>	P	Production	T	Test
<u>Code</u>	<u>Data Type</u>											
P	Production											
T	Test											
ISA16	I15	<b>Component Element Separator</b>	M		1/1	Must use						
<p><b>Description:</b> Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator</p>												

**Sample Data::**

ISA\*00\* \*00\* \*ZZ\*VENDOR \*ZZ\*ZAPPOSKY \*120731\*0832\*U\*00400\*000000112\*0\*P\*>

# GS Functional Group Header

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

**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>	M	ID	2/2	Must use

**Description:** Code identifying a group of application related transaction sets

**Code Name**

SH Ship Notice/Manifest (856)

GS02	142	<b>Application Sender's Code</b>	M	AN	2/15	Must use
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**Description:** Code identifying party sending transmission; codes agreed to by trading partners

GS03	124	<b>Application Receiver's Code</b>	M	AN	2/15	Must use
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**Description:** Code identifying party receiving transmission; codes agreed to by trading partners

GS04	373	<b>Date</b>	M	DT	8/8	Must use
------	-----	-------------	---	----	-----	----------

**Formatting Notes:** Date expressed as CCYYMMDD

**External Information:** *This field will be the date that the EDI was created*

GS05	337	<b>Time</b>	M	TM	4/8	Must use
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**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)

GS06	28	<b>Group Control Number</b>	M	N0	1/9	Must use
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**Description:** Assigned number originated and maintained by the sender

**External Information:** *This field will be a unique control number representing the GS - GE transaction*

GS07	455	<b>Responsible Agency Code</b>	M	ID	1/2	Must use
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**Description:** Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480

**All valid standard codes are used.**

GS08	480	<b>Version / Release / Industry Identifier Code</b>	M	AN	1/12	Must use
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**Description:** Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed

**Code   Name**

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

**Semantics:**

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

**Comments:**

1. 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.

**Sample Data::**

*GS\*SH\*VENDOR\*ZAPPOSKY\*20120801\*1400\*367\*X\*004010*

# 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	Transaction Set Identifier Code	M	ID	3/3	Must use

**Description:** Code uniquely identifying a Transaction Set

**Code Name**

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ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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**Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

**External Information:** *This field will be a unique control number representing the ST - SE transaction*

## 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).

## Sample Data::

ST\*856\*0001

# BSN Beginning Segment for Ship Notice

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

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

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

**Note:** Advance Ship Notices that are missing BSN segments or contain invalid data in the BSN segments will fail and cannot be processed by Zappos.

## 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	M	ID	2/2	Must use
<b>Description:</b> Code identifying purpose of transaction set						
<b>Code Name</b>						
00 Original						
BSN02	396	Shipment Identification	M	AN	2/30	Must use
<b>Description:</b> A unique control number assigned by the original shipper to identify a specific shipment						
BSN03	373	Date	M	DT	8/8	Must use
<b>Description:</b> Date expressed as CCYYMMDD						
BSN04	337	Time	M	TM	4/6	Must use
<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)						

## Syntax Rules:

1. C0706 - If BSN07 is present, then BSN06 is 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.

## Sample Data::

BSN\*00\*7775432\*20110706\*181530

# Loop HL

<b>Pos: 010</b>	<b>Repeat: 1</b>
<b>Mandatory</b>	
<b>Loop: HL</b>	<b>Elements: N/A</b>

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

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

## Loop Summary:

<b>Pos</b>	<b>Id</b>	<b>Segment Name</b>	<b>Req</b>	<b>Max Use</b>	<b>Repeat</b>	<b>Usage</b>
010	HL	Hierarchical Level	M	1		Must use
110	TD1	Carrier Details (Quantity and Weight)	M	1		Must use
120	TD5	Carrier Details (Routing Sequence/Transit Time)	M	1		Must use
150	REF	Reference Identification	M	3		Must use
200	DTM	Date/Time Reference	M	2		Must use
210	FOB	F.O.B. Related Instructions	O	1		Used
220		Loop N1	M		2	Must use
010		Loop HL	M		200000	Must use

# HL Hierarchical Level

Pos: 010	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 2

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

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

**Note:** Advance Ship Notices that are missing HL segments will fail and cannot be processed by Zappos.

## 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	M	AN	1/12	Must use
<b>Description:</b> A unique number assigned by the sender to identify a particular data segment in a hierarchical structure						
HL03	735	Hierarchical Level Code	M	ID	1/2	Must use
<b>Description:</b> Code defining the characteristic of a level in a hierarchical structure						
<b>Code Name</b>						
	S	Shipment				

## Comments:

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

## Sample Data::

HL\*1\*\*S

# TD1 Carrier Details (Quantity and Weight)

Pos: 110	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 5

User Option (Usage): Must use

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

**Note:** Advance Ship Notices with missing TD1 segments will fail and cannot be processed by Zappos.

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD101	103	<b>Packaging Code</b>	M	AN	3/5	Must use
<p><b>Description:</b> Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required</p> <p><b>Code Name</b></p> <p>CTN Carton</p> <p>PLT Pallet</p> <p><b>Code Name</b></p> <p>25 Corrugated or Solid</p> <p>94 Wood</p>						
TD102	80	<b>Lading Quantity</b>	M	N0	1/7	Must use
<p><b>Description:</b> Number of units (pieces) of the lading commodity</p>						
TD106	187	<b>Weight Qualifier</b>	O	ID	1/2	Used
<p><b>Description:</b> Code defining the type of weight</p> <p><b>Code Name</b></p> <p>G Gross Weight</p>						
TD107	81	<b>Weight</b>	X	R	1/10	Used
<p><b>Description:</b> Numeric value of weight</p>						
TD108	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
<p><b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p><b>Code Name</b></p> <p>LB Pound</p>						

## Syntax Rules:

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

# TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 120	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 4

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

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD501	133	<b>Routing Sequence Code</b>	O	ID	1/2	Used
		<b>Description:</b> Code describing the relationship of a carrier to a specific shipment movement				
		<b>Code Name</b>				
		O Origin Carrier (Air, Motor, or Ocean)				
TD502	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)				
		<b>Code Name</b>				
		2 Standard Carrier Alpha Code (SCAC)				
TD503	67	<b>Identification Code</b>	X	AN	2/80	Used
		<b>Description:</b> Code identifying a party or other code				
TD505	387	<b>Routing</b>	X	AN	1/35	Used
		<b>Description:</b> Free-form description of the routing or requested routing for shipment, or the originating carrier's identity				

## Syntax Rules:

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

## Semantics:

1. TD515 is the country where the service is to be performed.

## Comments:

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

# REF Reference Identification

Pos: 150	Max: 3
Detail - Mandatory	
Loop: HL	Elements: 2

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

To specify identifying information

**Note:** Advance Ship Notices with missing REF segments or invalid data will fail and cannot be processed by Zappos.

## 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	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**Code Name**

2I Tracking Number

**User Note 1:**

*Used for small package carrier shipments. When "2I" is used, MAN04 and MAN05 segments are required.*

BM Bill of Lading Number

**User Note 1:**

*Used for LTL or Truck load shipments*

CN Carrier's Reference Number (PRO/Invoice)

**User Note 1:**

*Used for LTL or Truck load shipments*

BX Buyer's Reference Number (Dispatch number)

**User Note 1**

*Used for the Zappos Reference Number. This number is provided via the Routing Request process.*

REF02	127	Reference Identification	M	AN	1/30	Must use
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**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

## Syntax Rules:

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

## Semantics:

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

### User Note 1:

*Either "2I" and "BX" are required...OR..."CN", "BM", and "BX" are all required. Please see clarification above on which codes apply to which Carriers.*

## Sample Data::

REF\*2I\*1Z23XA456789101112

REF\*BX\*0000123456

or

REF\*BM\*01234567891011123

REF\*CN\*123123

REF\*BX\*0000123456

# DTM Date/Time Reference

Pos: 200	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 4

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

To specify pertinent dates and times

**Note:** Advance Ship Notices that are missing DTM segments will fail and cannot be processed by Zappos.

## 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	Date/Time Qualifier	M	ID	3/3	Must use
<b>Description:</b> Code specifying type of date or time, or both date and time						
<b>Code Name</b>						
011 Shipped						
017 Estimated Delivery						
DTM02	373	Date	M	DT	8/8	Must use
<b>Description:</b> Date expressed as CCYYMMDD						
DTM03	337	Time	X	TM	4/8	Used
<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)						
DTM04	623	Time Code	O	ID	2/2	Used
<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>All valid standard codes are used.</b>						

## Syntax Rules:

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

### User Note 1:

*Shipped Date is Required.  
Estimated Delivery Date is optional.*

### Sample Data::

DTM\*011\*20110916

# FOB F.O.B. Related Instructions

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

**User Option (Usage):** Used

To specify transportation instructions relating to shipment

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
FOB01	146	Shipment Method of Payment	M	ID	2/2	Must use

**Description:** Code identifying payment terms for transportation charges

**Code Name**

CC	Collect
PP	Prepaid (by Seller)

## Syntax Rules:

1. C0302 - If FOB03 is present, then FOB02 is required.
2. C0405 - If FOB04 is present, then FOB05 is required.
3. C0706 - If FOB07 is present, then FOB06 is required.
4. C0809 - If FOB08 is present, then FOB09 is required.

## Semantics:

1. FOB01 indicates which party will pay the carrier.
2. FOB02 is the code specifying transportation responsibility location.
3. FOB06 is the code specifying the title passage location.
4. FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

# Loop N1

Pos: 220	Repeat: 2
Mandatory	
Loop: N1	Elements: N/A

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

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	M	1		Must use
230	N2	Additional Name Information	O	2		Used
240	N3	Address Information	O	1		Used
250	N4	Geographic Location	O	1		Used

# N1 Name

<b>Pos: 220</b>	<b>Max: 1</b>
<b>Detail - Mandatory</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

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

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>	M	ID	2/3	Must use
<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual						
<b>Code Name</b>						
SF Ship From						
ST Ship To						
N102	93	<b>Name</b>	X	AN	1/60	Used
<b>Description:</b> Free-form name						
N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used
<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)						
<b>Code Name</b>						
92 Assigned by Buyer or Buyer's Agent						
N104	67	<b>Identification Code</b>	X	AN	2/80	Used
<b>Description:</b> Code identifying a party or other code						

## Syntax Rules:

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

### User Note 1:

*Ship To location is mandatory; the N103 and N104 are mandatory when Ship To is sent*

*Ship From is Optional*

### Sample Data::

N1\*ST\*ZAPPOS MERCHANDISING INC\*92\*0001

# N2 Additional Name Information

Pos: 230	Max: 2
Detail - Optional	
Loop: N1	Elements: 1

User Option (Usage): Used

To specify additional names or those longer than 35 characters in length

## 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>
N201	93	Name	M	AN	1/60	Must use

Description: Free-form name

## Sample Data::

N2\*C/O AMAZON.COM KYDC LLC

# N3 Address Information

Pos: 240	Max: 1
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>	M	AN	1/55	Must use
		<b>Description:</b> Address information				
N302	166	<b>Address Information</b>	O	AN	1/55	Used
		<b>Description:</b> Address information				

## Sample Data::

N3\*376 ZAPPOS.COM BLVD  
 N3\*FTZ 029, SITE 6

# N4 Geographic Location

Pos: 250	Max: 1
Detail - Optional	
Loop: N1	Elements: 3

**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>	O	AN	2/30	Used
		<b>Description:</b> Free-form text for city name				
N402	156	<b>State or Province Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency				
N403	116	<b>Postal Code</b>	O	ID	3/15	Used
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				

## Syntax Rules:

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

## Comments:

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

## Sample Data::

N4\*SHEPHERDSVILLE\*KY\*40165\*US

# Loop HL

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

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

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	M	1		Must use
150	REF	Reference Identification	M	2		Must use
010		Loop HL	M		200000	Must use

# 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

**Note:** Advance Ship Notices that are missing HL segments will fail and cannot be processed by Zappos.

## 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>	M	AN	1/12	Must use
<b>Description:</b> A unique number assigned by the sender to identify a particular data segment in a hierarchical structure						
HL02	734	<b>Hierarchical Parent ID Number</b>	O	AN	1/12	Used
<b>Description:</b> Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to						
HL03	735	<b>Hierarchical Level Code</b>	M	ID	1/2	Must use
<b>Description:</b> Code defining the characteristic of a level in a hierarchical structure						
<b>Code Name</b>						
O Order						

## Comments:

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

## Sample Data::

HL\*2\*1\*0

# PRF Purchase Order Reference

Pos: 050	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 2

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

To provide reference to a specific purchase order

**Note:** Advance Ship Notices with missing PRF segments or invalid data will fail and cannot be processed by Zappos.

## 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	M	AN	1/22	Must use
<b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser <b>External Information:</b> This field will contain the Zappos PO number						
PRF04	373	Date	O	DT	8/8	Used
<b>Description:</b> Date expressed as CCYYMMDD						

## Semantics:

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

## Sample Data::

PRF\*ABCDEF5566777

# REF Reference Identification

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

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

To specify identifying information

**Note:** Advance Ship Notices with missing REF segments or invalid data will fail and cannot be processed by Zappos.

## 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	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**Code Name**

VR Vendor ID Number

PRT Product Type

REF02	127	Reference Identification	O	AN	1/30	Used
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**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

## Syntax Rules:

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

## Semantics:

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

### User Note 1:

*Vendor ID Number, the Zappos assigned vendor number, is MANDATORY.*

### User Note 2:

*Product type is optional on the Advanced Shipment Notice, but must appear on the Shipping Label.*

*Where REF01 = "PRT", This is a Zappos provided value that uniquely identifies each Product Type as defined by Zappos. Valid codes are:*

*FW - Footwear*

*AP - Apparel*

*AC - Accessories*

*EL - Electronics*

*HW - Housewares*

*PC - Personal Care*

*BL - Bags or Luggage*

## Sample Data::

REF\*VR\*4321

REF\*PRT\*AP

# Loop HL

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

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

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
190	MAN	Marks and Numbers	M	1		Must use
010		Loop HL	M		200000	Must use

# 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

**Note:** Advance Ship Notices that are missing HL segments will fail and cannot be processed by Zappos.

## 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>	M	AN	1/12	Must use
		<b>Description:</b> A unique number assigned by the sender to identify a particular data segment in a hierarchical structure				
HL02	734	<b>Hierarchical Parent ID Number</b>	O	AN	1/12	Used
		<b>Description:</b> Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to				
HL03	735	<b>Hierarchical Level Code</b>	M	ID	1/2	Must use
		<b>Description:</b> Code defining the characteristic of a level in a hierarchical structure				
		<b><u>Code Name</u></b>				
		P Pack				

## Comments:

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

## Sample Data::

HL\*3\*2\*P

# MAN Marks and Numbers

Pos: 190	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 4

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

To indicate identifying marks and numbers for shipping containers

**Note:** Advance Ship Notices that are missing MAN segments or contain invalid data in the MAN segments will fail and cannot be processed by Zappos.

## 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>
MAN01	88	Marks and Numbers Qualifier	M	ID	1/2	Must use
<b>Description:</b> Code specifying the application or source of Marks and Numbers (87)						
<b>Code Name</b>						
GM SSCC-18 and Application Identifier						
MAN02	87	Marks and Numbers	M	AN	20/20	Must use
<b>Description:</b> Marks and numbers used to identify a shipment or parts of a shipment						
External Information: This field will be the UCC-128 code associated with this package.						
MAN04	88	Marks and Numbers Qualifier	X	ID	1/2	Used
<b>Description:</b> Code specifying the application or source of Marks and Numbers (87)						
<b>Code Name</b>						
CP Carrier-Assigned Package ID Number						
MAN05	87	Marks and Numbers	X	AN	1/30	Used
<b>Description:</b> Marks and numbers used to identify a shipment or parts of a shipment						

## Syntax Rules:

1. P0405 - If either MAN04 or MAN05 is present, then the other is required.
2. C0605 - If MAN06 is present, then MAN05 is required.

## Semantics:

1. MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.
2. When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.
3. When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.

## Comments:

1. When MAN01 contains code "UC" (U.P.C. Shipping Container Code) and MAN05/MAN06 contains a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06.
2. MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers.
3. When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.

**User Note 1:**

*This is a twenty-character UCC/EAN-128 Serial Shipping Container Code (SSCC-18) that includes the two digit application identifier. The symbology code and the modulo 103 check digit are not included.*

**User Note 2:**

*MAN04 and MAN05 segments are required when "2I" is used in the REF01 segment of the shipment level HL loop for Small Package Carrier Shipments.*

**Sample Data::**

MAN\*GM\*00000388080758591512

# Loop HL

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

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

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	M	1		Must use
030	SN1	Item Detail (Shipment)	M	1		Must use
070	PID	Product/Item Description	O	2		Used

# 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

**Note:** Advance Ship Notices that are missing HL segments will fail and cannot be processed by Zappos.

## 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>	M	AN	1/12	Must use
<b>Description:</b> A unique number assigned by the sender to identify a particular data segment in a hierarchical structure						
HL02	734	<b>Hierarchical Parent ID Number</b>	O	AN	1/12	Used
<b>Description:</b> Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to						
HL03	735	<b>Hierarchical Level Code</b>	M	ID	1/2	Must use
<b>Description:</b> Code defining the characteristic of a level in a hierarchical structure						
<b>Code Name</b>						
		I		Item		

## Comments:

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

## Sample Data::

HL\*4\*3\*I

# LIN Item Identification

Pos: 020	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 15

User Option (Usage): Must use

To specify basic item identification data

**Note:** Advance Ship Notices that contain invalid data in the LIN segments will fail and cannot be processed by Zappos.

## 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>	O	AN	1/20	Used
		<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set				
LIN02	235	<b>Product/Service ID Qualifier</b>	M	ID	2/2	Must use
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>Code Name</b>				
		EN	European Article Number (EAN) (2-5-5-1)			
		UP	U.P.C. Consumer Package Code (1-5-5-1)			
LIN03	234	<b>Product/Service ID</b>	M	AN	1/48	Must use
		<b>Description:</b> Identifying number for a product or service				
LIN04	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>Code Name</b>				
		BL	Brand/Label			
		IZ	Buyer's Size Code			
		PA	Pattern Number			
		PI	Purchaser's Item Code			
		VA	Vendor's Style Number			
		VE	Vendor Color			
LIN05	234	<b>Product/Service ID</b>	X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				
LIN06	235	<b>Product/Service ID Qualifier</b>	O	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>Code Name</b>				
		BL	Brand/Label			
		IZ	Buyer's Size Code			
		PA	Pattern Number			
		PI	Purchaser's Item Code			
		VA	Vendor's Style Number			
		VE	Vendor Color			

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN07	234	<b>Product/Service ID</b>	O	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				
LIN08	235	<b>Product/Service ID Qualifier</b>	O	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>Code Name</b>				
		BL	Brand/Label			
		IZ	Buyer's Size Code			
		PA	Pattern Number			
		PI	Purchaser's Item Code			
		VA	Vendor's Style Number			
		VE	Vendor Color			
LIN09	234	<b>Product/Service ID</b>	O	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				
LIN10	235	<b>Product/Service ID Qualifier</b>	O	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>Code Name</b>				
		BL	Brand/Label			
		IZ	Buyer's Size Code			
		PA	Pattern Number			
		PI	Purchaser's Item Code			
		VA	Vendor's Style Number			
		VE	Vendor Color			
LIN11	234	<b>Product/Service ID</b>	O	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				
LIN12	235	<b>Product/Service ID Qualifier</b>	O	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>Code Name</b>				
		BL	Brand/Label			
		IZ	Buyer's Size Code			
		PA	Pattern Number			
		PI	Purchaser's Item Code			
		VA	Vendor's Style Number			
		VE	Vendor Color			
LIN13	234	<b>Product/Service ID</b>	O	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				
LIN14	235	<b>Product/Service ID Qualifier</b>	O	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Product/Service ID (234)				
		<u>Code</u> <u>Name</u>				
		BL Brand/Label				
		IZ Buyer's Size Code				
		PA Pattern Number				
		PI Purchaser's Item Code				
		VA Vendor's Style Number				
		VE Vendor Color				
LIN15	234	<b>Product/Service ID</b>	O	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				

### Syntax Rules:

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

### Semantics:

1. LIN01 is the line item identification

### Comments:

1. See the Data Dictionary for a complete list of IDs.
2. LIN02 through LIN31 provides for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

### Sample Data::

LIN\*1\*UP\*720718002431

# SN1 Item Detail (Shipment)

Pos: 030	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 6

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

To specify line-item detail relative to shipment

**Note:** Advance Ship Notices that are missing SN1 segments will fail and cannot be processed by Zappos.

## 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>	O	AN	1/20	Used
<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set						
<b>External Information:</b> This element should contain the same number as the corresponding LIN01.						
SN102	382	<b>Number of Units Shipped</b>	M	R	1/10	Must use
<b>Description:</b> Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set						
SN103	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
<b>Code Name</b>						
EA Each						
SN104	646	<b>Quantity Shipped to Date</b>	O	R	1/15	Used
<b>Description:</b> Number of units shipped to date						
SN105	330	<b>Quantity Ordered</b>	X	R	1/15	Used
<b>Description:</b> Quantity ordered						
SN106	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
<b>Code Name</b>						
EA Each						

## Syntax Rules:

1. P0506 - If either SN105 or SN106 is present, then the other is required.

## Semantics:

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

## Comments:

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

## Sample Data::

SN1\*\*1\*EA

# PID Product/Item Description

Pos: 070	Max: 2
Detail - Optional	
Loop: HL	Elements: 3

**User Option (Usage):** Used

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

## 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>
PID01	349	<b>Item Description Type</b>	M	ID	1/1	Must use
<b>Description:</b> Code indicating the format of a description						
<b>Code Name</b>						
F Free-form						
PID02	750	<b>Product/Process Characteristic Code</b>	M	ID	2/3	Must use
<b>Description:</b> Code identifying the general class of a product or process characteristic						
<b>Code Name</b>						
08 Product						
91 Buyer's Item Size Description						
PID05	352	<b>Description</b>	M	AN	1/80	Must use
<b>Description:</b> A free-form description to clarify the related data elements and their content						

## Syntax Rules:

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

## Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

## Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

# CTT Transaction Totals

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

User Option (Usage): Must use

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	Number of Line Items	M	NO	1/6	Must use

**Description:** Total number of line items in the transaction set

**External Information:** *Sum of all HL segments.*

## Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

## Comments:

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

## Sample Data::

*CTT\*37*

# 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>	M	NO	1/10	Must use
<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments						
SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

## Comments:

- SE is the last segment of each transaction set.

## Sample Data::

SE\*126\*0001

# GE Functional Group Trailer

Pos: 010	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>	M	N0	1/6	Must use
<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						
GE02	28	<b>Group Control Number</b>	M	N0	1/9	Must use
<b>Description:</b> Assigned number originated and maintained by the sender						

## Semantics:

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

## Comments:

1. 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.

## Sample Data::

GE\*1\*200001

# IEA Interchange Control Trailer

Pos: 020	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

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

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

## Element Summary:

<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>	M	N0	1/5	Must use
		<b>Description:</b> A count of the number of functional groups included in an interchange				
IEA02	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use
		<b>Description:</b> A control number assigned by the interchange sender				

## Sample Data::

IEA\*1\*000001333