Zappos EDI Guideline

X12/V4010/856: 856 Advance Shipment Notice

Version: 2.0

Author: **Zappos**

Created: **10/29/2012**

Electronic Data Interchange

856 – Ship Notice/Manifest

(Inbound to Zappos, X12 4010)

July 2011

Last updated: *Date: 2025-09-25*

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 zappos-edi@amazon.com

Communication IDs

Testing

S/R ID: ZZ/ZAPPOSKY

Account/User ID: VANS/HAMAIL

<u>**Production**</u>

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)

Table of Contents

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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	BSN	Beginning Segment for Ship Notice	M	1			Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - HL					**1**	**C2/010L**	
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
LOOP ID - N1					**2**		
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
LOOP ID - HL					**200000**	**C2/010L**	
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
LOOP ID - HL					**200000**	**C2/010L**	

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	HL	Hierarchical Level	M	1		C2/010	Must use
190	MAN	Marks and Numbers	M	1			Must use
LOOP ID - HL					**200000**	**C2/010L**	
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:

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

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	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:

10/29/2021 Added additional PRT codes: HO - Hosiery, JE - Jewelry, HA - Hats, AC - Accessories, BE - Beauty

01/14/2019:
Updated N1 segment Sample Data from ZAPPOS MERCHANDISING INC. to ZAPPOS MERCHANDISING LLC.

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

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

User Option (Usage): Must use

To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA01	I01	**Authorization Information Qualifier**	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	**Authorization Information**	M	AN	10/10	Must use

> **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	**Security Information Qualifier**	M	ID	2/2	Must use

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

ISA04	I04	**Security Information**	M	AN	10/10	Must use

> **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	**Interchange ID Qualifier**	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	**Interchange Sender ID**	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	**Interchange ID Qualifier**	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
>
> **All valid standard codes are used.**

ISA08	I07	**Interchange Receiver ID**	M	AN	15/15	Must use

> **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*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA09	I08	**Interchange Date**	M	DT	6/6	Must use

Description: Date of the interchange

External Information: *This field will be the date the EDI message was created*
Formatting Notes: *YYMMDD*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA10	I09	**Interchange Time**	M	TM	4/4	Must use

Description: Time of the interchange

Formatting Notes: *HHMM*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA11	I10	**Interchange Control Standards Identifier**	M	ID	1/1	Must use

Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA12	I11	**Interchange Control Version Number**	M	ID	5/5	Must use

Description: Code specifying the version number of the interchange control segments
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA13	I12	**Interchange Control Number**	M	N0	9/9	Must use

Description: A control number assigned by the interchange sender

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA14	I13	**Acknowledgment Requested**	M	ID	1/1	Must use

Description: Code sent by the sender to request an interchange acknowledgment (TA1)
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA15	I14	**Usage Indicator**	M	ID	1/1	Must use

Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information
All valid standard codes are used.

Code	Data Type
P	*Production*
T	*Test*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA16	I15	**Component Element Separator**	M		1/1	Must use

Description: 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

Sample Data::
*ISA*00* *00* *ZZ*VENDOR *ZZ*ZAPPOSKY *120731*0832*U*00400*000000112*0*P*>*

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS01	479	**Functional Identifier Code**	M	ID	2/2	Must use

Description: Code identifying a group of application related transaction sets

Code	Name
SH	Ship Notice/Manifest (856)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS02	142	**Application Sender's Code**	M	AN	2/15	Must use

Description: Code identifying party sending transmission; codes agreed to by trading partners

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS03	124	**Application Receiver's Code**	M	AN	2/15	Must use

Description: Code identifying party receiving transmission; codes agreed to by trading partners

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS04	373	**Date**	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*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS05	337	**Time**	M	TM	4/8	Must use

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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS06	28	**Group Control Number**	M	N0	1/9	Must use

Description: Assigned number originated and maintained by the sender

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS07	455	**Responsible Agency Code**	M	ID	1/2	Must use

Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS08	480	**Version / Release / Industry Identifier Code**	M	AN	1/12	Must use

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

<u>**Code**</u>   <u>**Name**</u>

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set

Code	Name
856	Ship Notice/Manifest

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

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. 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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BSN01	353	**Transaction Set Purpose Code**	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set

Code	Name
00	Original

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BSN02	396	**Shipment Identification**	M	AN	2/30	Must use

Description: A unique control number assigned by the original shipper to identify a specific shipment

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BSN03	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BSN04	337	**Time**	M	TM	4/6	Must use

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)

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

Pos: 010	**Repeat: 1**
Mandatory	
Loop: HL	**Elements: N/A**

User Option (Usage): Must use

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL01	628	**Hierarchical ID Number**	M	AN	1/12	Must use

> **Description:** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL03	735	**Hierarchical Level Code**	M	ID	1/2	Must use

> **Description:** Code defining the characteristic of a level in a hierarchical structure

> **Code   Name**
> 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	**Packaging Code**	M	AN	3/5	Must use

> **Description:** Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required

Code	Name
CTN	Carton
PLT	Pallet

Code	Name
25	Corrugated or Solid
94	Wood

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD102	80	**Lading Quantity**	M	N0	1/7	Must use

> **Description:** Number of units (pieces) of the lading commodity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD106	187	**Weight Qualifier**	O	ID	1/2	Used

> **Description:** Code defining the type of weight

Code	Name
G	Gross Weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD107	81	**Weight**	X	R	1/10	Used

> **Description:** Numeric value of weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD108	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

> **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code	Name
LB	Pound

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD501	133	**Routing Sequence Code**	O	ID	1/2	Used

Description: Code describing the relationship of a carrier to a specific shipment movement

Code	Name
O	Origin Carrier (Air, Motor, or Ocean)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD502	66	**Identification Code Qualifier**	X	ID	1/2	Used

Description: Code designating the system/method of code structure used for Identification Code (67)

Code	Name
2	Standard Carrier Alpha Code (SCAC)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD503	67	**Identification Code**	X	AN	2/80	Used

Description: Code identifying a party or other code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD505	387	**Routing**	X	AN	1/35	Used

Description: 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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code	Name
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.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	M	AN	1/30	Must use

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

<table>
<tr><td>Pos: 200</td><td style="text-align:right">Max: 1</td></tr>
<tr><td colspan="2" style="text-align:center">Detail - Mandatory</td></tr>
<tr><td>Loop: HL</td><td style="text-align:right">Elements: 4</td></tr>
</table>

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	374	**Date/Time Qualifier**	M	ID	3/3	Must use

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

Code	Name
011	Shipped
017	Estimated Delivery

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM03	337	**Time**	X	TM	4/8	Used

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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM04	623	**Time Code**	O	ID	2/2	Used

Description: 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

All valid standard codes are used.

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Pos: 220	**Max: 1**
Detail - Mandatory	
Loop: N1	**Elements: 4**

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual

Code	Name
SF	Ship From
ST	Ship To

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/60	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	X	ID	1/2	Used

Description: Code designating the system/method of code structure used for Identification Code (67)

Code	Name
92	Assigned by Buyer or Buyer's Agent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	X	AN	2/80	Used

Description: 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 LLC*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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/55	Must use
		Description: Address information				
N302	166	**Address Information**	O	AN	1/55	Used
		Description: 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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Used

Description: Free-form text for city name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N402	156	**State or Province Code**	O	ID	2/2	Used

Description: Code (Standard State/Province) as defined by appropriate government agency

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N403	116	**Postal Code**	O	ID	3/15	Used

Description: 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

<div>

Pos: 010   **Repeat: 200000**

Mandatory

Loop: HL   **Elements: N/A**

</div>

User Option (Usage): Must use

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL01	628	**Hierarchical ID Number**	M	AN	1/12	Must use

Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure

HL02	734	**Hierarchical Parent ID Number**	O	AN	1/12	Used

Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to

HL03	735	**Hierarchical Level Code**	M	ID	1/2	Must use

Description: Code defining the characteristic of a level in a hierarchical structure

Code	Name
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*O*

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PRF01	324	**Purchase Order Number**	M	AN	1/22	Must use

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

External Information: *This field will contain the Zappos PO number*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PRF04	373	**Date**	O	DT	8/8	Used

Description: Date expressed as CCYYMMDD

Semantics:

1. 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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code	Name
VR	Vendor ID Number
PRT	Product Type

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	O	AN	1/30	Used

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   *EY - Eyewear*
AP - Apparel   *JE - Jewelry*
AC - Accessories   *HO - Hosiery*
EL - Electronics   *HA - Hats*
HW - Housewares   *BE - Beauty*
PC - Personal Care   *CL - Clothing*
BL - Bags or Luggage   *PG - Pet Gear*
BS - Baby Shop

Sample Data::
*REF*VR*4321*
*REF*PRT*AP*

Loop HL

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

User Option (Usage): Must use

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL01	628	**Hierarchical ID Number**	M	AN	1/12	Must use

Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL02	734	**Hierarchical Parent ID Number**	O	AN	1/12	Used

Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL03	735	**Hierarchical Level Code**	M	ID	1/2	Must use

Description: Code defining the characteristic of a level in a hierarchical structure

Code	Name
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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MAN01	88	**Marks and Numbers Qualifier**	M	ID	1/2	Must use

   Description: Code specifying the application or source of Marks and Numbers (87)

Code	Name
GM	SSCC-18 and Application Identifier

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MAN02	87	**Marks and Numbers**	M	AN	20/20	Must use

   Description: 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.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MAN04	88	**Marks and Numbers Qualifier**	X	ID	1/2	Used

   Description: Code specifying the application or source of Marks and Numbers (87)

Code	Name
CP	Carrier-Assigned Package ID Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MAN05	87	**Marks and Numbers**	X	AN	1/30	Used

   Description: 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 digits application identifier. The symbology code and the modulo 103 check digits 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

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

User Option (Usage): Must use

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL01	628	**Hierarchical ID Number**	M	AN	1/12	Must use

Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL02	734	**Hierarchical Parent ID Number**	O	AN	1/12	Used

Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL03	735	**Hierarchical Level Code**	M	ID	1/2	Must use

Description: Code defining the characteristic of a level in a hierarchical structure

Code	Name
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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN01	350	**Assigned Identification**	O	AN	1/20	Used

Description: Alphanumeric characters assigned for differentiation within a transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN02	235	**Product/Service ID Qualifier**	M	ID	2/2	Must use

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code	Name
EN	European Article Number (EAN) (2-5-5-1)
UP	U.P.C. Consumer Package Code (1-5-5-1)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN03	234	**Product/Service ID**	M	AN	1/48	Must use

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN04	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code	Name
BL	Brand/Label
IZ	Buyer's Size Code
PA	Pattern Number
PI	Purchaser's Item Code
VA	Vendor's Style Number
VE	Vendor Color

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN05	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN06	235	**Product/Service ID Qualifier**	O	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code	Name
BL	Brand/Label
IZ	Buyer's Size Code
PA	Pattern Number
PI	Purchaser's Item Code
VA	Vendor's Style Number
VE	Vendor Color

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN07	234	**Product/Service ID**	O	AN	1/48	Used

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN08	235	**Product/Service ID Qualifier**	O	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code **Name**
BL   Brand/Label
IZ   Buyer's Size Code
PA   Pattern Number
PI   Purchaser's Item Code
VA   Vendor's Style Number
VE   Vendor Color

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN09	234	**Product/Service ID**	O	AN	1/48	Used

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN10	235	**Product/Service ID Qualifier**	O	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code **Name**
BL   Brand/Label
IZ   Buyer's Size Code
PA   Pattern Number
PI   Purchaser's Item Code
VA   Vendor's Style Number
VE   Vendor Color

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN11	234	**Product/Service ID**	O	AN	1/48	Used

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN12	235	**Product/Service ID Qualifier**	O	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code **Name**
BL   Brand/Label
IZ   Buyer's Size Code
PA   Pattern Number
PI   Purchaser's Item Code
VA   Vendor's Style Number
VE   Vendor Color

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN13	234	**Product/Service ID**	O	AN	1/48	Used

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN14	235	**Product/Service ID Qualifier**	O	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		Product/Service ID (234)				

Code	Name
BL	Brand/Label
IZ	Buyer's Size Code
PA	Pattern Number
PI	Purchaser's Item Code
VA	Vendor's Style Number
VE	Vendor Color

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN15	234	**Product/Service ID**	O	AN	1/48	Used

Description: 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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SN101	350	**Assigned Identification**	O	AN	1/20	Used

Description: Alphanumeric characters assigned for differentiation within a transaction set

External Information: *This element should contain the same number as the corresponding LIN01.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SN102	382	**Number of Units Shipped**	M	R	1/10	Must use

Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SN103	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code	Name
EA	Each

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SN104	646	**Quantity Shipped to Date**	O	R	1/15	Used

Description: Number of units shipped to date

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SN105	330	**Quantity Ordered**	X	R	1/15	Used

Description: Quantity ordered

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SN106	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code	Name
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

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID01	349	**Item Description Type**	M	ID	1/1	Must use

Description: Code indicating the format of a description

Code	Name
F	Free-form

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID02	750	**Product/Process Characteristic Code**	M	ID	2/3	Must use

Description: Code identifying the general class of a product or process characteristic

Code	Name
08	Product
91	Buyer's Item Size Description

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID05	352	**Description**	M	AN	1/80	Must use

Description: 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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	**Number of Line Items**	M	N0	1/6	Must use

      Description: Total number of line items in the transaction set

      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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	**Number of Included Segments**	M	N0	1/10	Must use

Description: Total number of segments included in a transaction set including ST and SE segments

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Comments:

1. 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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE01	97	**Number of Transaction Sets Included**	M	N0	1/6	Must use

Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE02	28	**Group Control Number**	M	N0	1/9	Must use

Description: 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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IEA01	I16	**Number of Included Functional Groups**	M	N0	1/5	Must use

Description: A count of the number of functional groups included in an interchange

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IEA02	I12	**Interchange Control Number**	M	N0	9/9	Must use

Description: A control number assigned by the interchange sender

Sample Data::
*IEA*1*000001333*