

Advance Ship Notice

ANSI X12 856

Version 4010

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Document Overview

The purpose of this document is to provide Amazon's trading partners with detailed specifications and guidelines for implementing electronic advance shipment notice feeds (856) with Amazon.com.

The advance shipment notice (ASN) is a key component to multiple aspects of the Amazon business process. It gives Amazon a view of what you've shipped, allows labor to be planned ahead of time based on estimated time of arrival information and what product is shipped. It allows for score carding to be processed on ordered vs. shipped vs. received product information and is key to helping reduce friction in the front end of the supply chain. The 856 is the most widely use and the most diverse of all the EDI ANSI X12 messages used.

Amazon's specifications are compliant with, but not identical to, generally established ANSI X12 standards. The following specs will provide Amazon specific definitions for key data elements and the expected format for the data to be sent in. While Amazon will be implementing data validation rules were applicable, the onus of data integrity will be upon the sending party. Any and all data inaccuracies should be noted and corrected as soon as possible.

Please Read and Note the following regarding shipment identification information:

I. Concerning Truckload and Less Than Truckload carriers:

For Truckload and Less than Truckload shipments Amazon.com follows the VICS (<http://www.vics.org>, <http://www.vics.org/documents/docs/VICSBOL2004revisions.doc>) standard for Bill of Lading (BOL) and tracking requirements. In appendix C you will find an example of a VICS BOL. You may use any BOL you wish, but it must confirm the general format of the VICS BOL shown in the appendix including

- Bill of Lading Number (BOL#) on the top right and clearly marked as a BOL# which is your own internal reference number for the shipment of goods marked on the paper BOL.
- Carrier Shipment Reference Number (PRO shown in the example) top right clearly marked as a PRO # below your BOL number which is the carrier's PRO number, i.e. their internal reference number for identifying the shipment of goods marked on the paper BOL and what they use to track and report status on the shipment.
- **ALL** purchase order numbers relevant to the shipment of goods being tendered to the carrier.

For **ALL Truckload and Less than Truckload shipments** prepaid and collect going from your facility to Amazon.com your ASN **must include ALL** of the key reference numbers that reference the shipment off of the paper BOL which includes:

1. **The Bill of Lading Number (BOL#)** matched exactly as shown on your paper bill of lading including any leading or trailing 0s and any dashes or punctuation
2. **Carrier Reference Number (PRO# for LTL and TL Carrier's)** matched exactly as shown on your paper bill of lading including any leading or trailing 0s and any dashes or punctuation

II. Concerning Airfreight Carriers:

For Airfreight (both package and heavy weight) **you must include all of** the air carriers AIRBILL Numbers, which are the internal reference numbers for airfreight identifying the shipment(s)

- For most heavyweight air freight each AIRBILL Number represents a separate pallet of freight
- For most package air freight each AIRBILL Number represents separate shipment of each carton/package

III. Concerning Small Package Carriers:

For **ALL small package shipments** such as UPS you must include the carrier's tracking number representing separate shipments of each carton/package.

If you do not provide the appropriate shipment identification numbers relevant to your shipment as described above you will not be in compliance with Amazon.com ASN business requirements. We must be able to confirm in production testing that you are able to send these valid identification numbers and you must continue to stay in compliance once in production.

If we can not tie your shipment to the relevant carrier status or shipment appointment request because we do not have appropriate shipment identification numbers you will be contacted to resolve. If not resolved long term you can be subject to incur relevant charges in accordance with the loss of visibility and resource time for Amazon.com. Please see the vendor manual for more information.

ASN Key Values

The following table defines the key data elements and their Amazon definitions. All qualifiers and other data spec information can be found in the specification section below.

Element Name	Element Description	ANSI X12 Location	Mandatory?
Airbill Number	<p>An airbill number is the unique identifier air carriers use to identify a package or pallet. The carrier may use this number to invoice as well. The airbill number is assigned by the carrier to either the package for small parcel shipments or to the pallet for large shipments.</p> <p>The airbill number(s) may be provided in either the Shipment or Package Level ASN. If you choose to report the airbill number at the Shipment level, then one ASN is required per airbill Number. Or vendors may provide each airbill Number in multiple package levels.</p>	REF02, when REF01=CN	CONDITIONAL
Amz DC	This field will be a unique ID representing the Amazon FC where this shipment will be delivered.	N104 WHEN N101 = ST	REQUIRED
ASNID	This field will be a unique ID which represents this ASN.	BSN02	REQUIRED
ASN Sent Date/Time	<p>This field will be the date/time that the ASN information was pulled from the database.</p> <p>Both date and time are required if more than one ASN file will be submitted per shipment ASN ID.</p>	BSN03/04	REQUIRED/ CONDITIONAL
ASN Type	Code describing the message format.	BSN05	REQUIRED
BOL	<p>Bill of Lading (BOL) reference number is required for truckload and less than truckload (LTL) shipments. The Amazon.com definition of BOL is defined in reference to truckload and LTL shipments only. BOL reference number is the unique number assigned by the shipper in creating the Bill of Lading. This is a number that identifies a unique shipment.</p> <p>Note: the BOL reference number on the paper BOL should match the reference number provided in this data element.</p>	REF02, where REF01=BM	CONDITIONAL
Carrier SCAC	<p>The Standard Carrier Alpha Code (SCAC) is a unique two-to-four-letter code used to identify a carrier. Carrier SCAC codes are assigned and maintained by the NMFTA (National Motor Freight Association). To obtain a SCAC code or the list of all SCAC codes contact the NMFTA at (703) 838-1868.</p> <p>NMFTA developed the SCAC identification codes in the late 1960's to facilitate computerization in the transportation industry.</p>	TD503	REQUIRED
Carton Count	This field will be the total number of cartons making up a shipment.	If TD101 = CTN, TD102	REQUIRED
Freight Terms	Code defining whether the shipment is pre-paid or collect.	FOB01	REQUIRED
Load Type	This field is used to indicate whether a shipment is	TD105	OPTIONAL

	floor loaded or not. A value of FLR indicates that the shipment is floor loaded. A value of PLT indicates a shipment of pallets.		
Pallet Count	This field will be the total number of pallets making up the shipment.	If TD101 = SKD, TD102	OPTIONAL
PO#	This field will contain the Amazon purchase order number. It will be supplied for all Amazon.com Purchase Order numbers relevant to each shipment and that shipment's paper bill of lading (BOL).	PRF01	REQUIRED
PRO#	PRO number is required for truckload and less than truckload (LTL) shipments. The PRO is a unique number assigned by the carrier. It is used to identify and track the shipment that goes out for delivery.	REF02, when REF01=CN	CONDITIONAL
Product ID	Amazon systems require either a UPC or ISBN.	LIN03	REQUIRED
Purpose Code	Code defining whether the ASN is an original, update or replacement.	BSN01; 00 – Original 05 – Replace	REQUIRED
QTY Shipped	This field will be the number of units shipped for this item related to this order.	SN102	REQUIRED
Seal#	This field will be the container's seal number.	REF02, when REF01=SN	OPTIONAL
Shipped Date	This field will contain the date/time that the shipment departed.	DTM02	REQUIRED
Shipped From City	City for the origins' warehouse location	N401, when the N101 = SF	REQUIRED
Shipped From State/Province	State/Province code for the origins' warehouse location.	N402, when the N101 = SF	REQUIRED
Shipped From Postal Code	Postal code for the origins' warehouse location.	N403, when the N101 = SF	REQUIRED
Shipped From Country Code	ISO Country code for the origins' warehouse location.	N404, when the N101 = SF	REQUIRED
SSCC	This field will be the UCC-128 code associated with this package.	MAN02	OPTIONAL
Tracking Number	A Tracking Number is the number that small package/parcel carriers (carriers that ship smaller weight shipments usually <250 lb) use to identify each package they are shipping. The Tracking number(s) may be provided in either the Shipment or Package Level ASN. If you choose to report the tracking number at the Shipment level, then one ASN is required per tracking number. Or vendors may provide each tracking number in multiple package levels.	REF02, when REF01=CN	CONDITIONAL
Unit Price	Price of the product.	SLN06 when SLN07 = 'NET'	OPTIONAL
Vendor Code	This field will be a unique ID that represents the warehouse where this shipment originated from.	N104 WHEN N101 = SF	REQUIRED
Weight	This field will be the gross weight of the shipment.	TD107	REQUIRED

856

Ship Notice/Manifest

Functional Group=SH

This Draft Standard for Trial Use contains the format and establishes the data contents of the Ship Notice/Manifest Transaction Set (856) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to list the contents of a shipment of goods as well as additional information relating to the shipment, such as order information, product description, physical characteristics, type of packaging, marking, carrier information, and configuration of goods within the transportation equipment. The transaction set enables the sender to describe the contents and configuration of a shipment in various levels of detail and provides an ordered flexibility to convey information. The sender of this transaction is the organization responsible for detailing and communicating the contents of a shipment, or shipments, to one or more receivers of the transaction set. The receiver of this transaction set can be any organization having an interest in the contents of a shipment or information about the contents of a shipment.

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
010	ISA	Interchange Control Header	M	1		
	GS	Functional Group Header	M	1		

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
010	ST	Transaction Set Header	M	1		
020	BSN	Beginning Segment for Ship Notice	M	1		

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
LOOP ID - HL					200000	C2/010L
010	HL	Hierarchical Level	M	1		C2/010
110	TD1	Carrier Details (Quantity and Weight)	M	20		
110	TD1	Carrier Details (Quantity and Weight)	O	20		
120	TD5	Carrier Details (Routing Sequence/Transit Time)	M	12		
150	REF	Bill of Lading	C	>1		
150	REF	Pro Number/Tracking ID/Airbill Number	C	>1		
150	REF	Seal Number	O	>1		
200	DTM	Shipped Date	M	10		N2/200
200	DTM	Estimated Arrival Date	M	10		
210	FOB	F.O.B. Related Instructions	M	1		
LOOP ID - N1					200	
220	N1	Name	M	1		
250	N4	Geographic Location	M	1		
LOOP ID - N1					200	
220	N1	Name	M	1		
LOOP ID - HL					200000	C2/010L
010	HL	Hierarchical Level	M	1		C2/010
050	PRF	Purchase Order Reference	M	1		
LOOP ID - HL					200000	C2/010L
010	HL	Hierarchical Level	C	1		C2/010
110	TD1	Carrier Details (Quantity and Weight)	O	20		
150	REF	Tracking ID/Airbill Number	C	>1		
190	MAN	Marks and Numbers	C	>1		
LOOP ID - HL					200000	C2/010L

010	HL	Hierarchical Level	M	1	C2/010
020	LIN	Item Identification	M	1	
030	SN1	Item Detail (Shipment)	M	1	
040	SLN	Subline Item Detail	O	1000	

Summary:

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

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>
	GE	Functional Group Trailer	M	1		
	IEA	Interchange Control Trailer	M	1		

Notes:

2/200

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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ISA

Interchange Control Header

Pos: 010	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

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	Authorization Information Qualifier	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u>				
		00 No Authorization Information Present (No Meaningful Information in I02)				
ISA02	I02	Authorization Information	M	AN	10/10	Must use
ISA03	I03	Security Information Qualifier	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u>				
		00 No Security Information Present (No Meaningful Information in I04)				
ISA04	I04	Security Information	M	AN	10/10	Must use
ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Must use
ISA06	I06	Interchange Sender ID	M	AN	15/15	Must use
		<i>External Information: This field will contain the unique sender ID which represents the message creator.</i>				
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u>				
		ZZ Mutually Defined				
ISA08	I07	Interchange Receiver ID	M	AN	15/15	Must use
		Formatting Notes: AMAZON				
ISA09	I08	Interchange Date	M	DT	6/6	Must use
		<i>External Information: This field will be the date that the EDI message was created.</i>				
ISA10	I09	Interchange Time	M	TM	4/4	Must use
		<i>External Information: This field will be the time that the EDI message was created.</i>				
ISA11	I10	Interchange Control Standards Identifier	M	ID	1/1	Must use
		All valid standard codes are used.				
ISA12	I11	Interchange Control Version Number	M	ID	5/5	Must use
		<u>Code</u> <u>Name</u>				
		00400 Standard Issued as ANSI X12.5-1997				
ISA13	I12	Interchange Control Number	M	NO	9/9	Must use
		<i>External Information: This field will contain a unique nine digit number representing this EDI transaction.</i>				
ISA14	I13	Acknowledgment Requested	M	ID	1/1	Must use
		<u>Code</u> <u>Name</u>				
		0 No Acknowledgment Requested				
ISA15	I14	Usage Indicator	M	ID	1/1	Must use
		<u>Code</u> <u>Name</u>				
		P Production Data				
		T Test Data				
ISA16	I15	Component Element Separator	M	AN	1/1	Must use
		<i>External Information: This field will contain the character used to designate the subelement separation.</i>				

GS

Functional Group Header

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	Functional Identifier Code	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u>				
		SH Ship Notice/Manifest (856)				
GS02	142	Application Sender's Code	M	AN	2/15	Must use
		External Information: <i>This field will be a code identifying the sender.</i>				
GS03	124	Application Receiver's Code	M	AN	2/15	Must use
		Formatting Notes: <i>AMAZON</i>				
GS04	373	Date	M	DT	8/8	Must use
		External Information: <i>This field will be the date that the EDI message was created.</i>				
GS05	337	Time	M	TM	4/8	Must use
		External Information: <i>This field will be the time that the EDI message was created.</i>				
GS06	28	Group Control Number	M	N0	1/9	Must use
		External Information: <i>This field will contain a unique number representing this GS-GE transaction.</i>				
GS07	455	Responsible Agency Code	M	ID	1/2	Must use
		<u>Code</u> <u>Name</u>				
		X Accredited Standards Committee X12				
GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12	Must use
		<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. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

ST

Transaction Set Header

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

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
		Code Name				
		856 Ship Notice/Manifest				
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
		External Information: <i>This field will contain a unique number representing this ST-SE transaction.</i>				

Semantics:

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

BSN

Beginning Segment for Ship Notice

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

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 <table border="1"><thead><tr><th><u>Code</u></th><th><u>Name</u></th></tr></thead><tbody><tr><td>00</td><td>Original</td></tr><tr><td>05</td><td>Replace</td></tr></tbody></table>	<u>Code</u>	<u>Name</u>	00	Original	05	Replace	M	ID	2/2	Must use		
<u>Code</u>	<u>Name</u>													
00	Original													
05	Replace													
BSN02	396	Shipment Identification <i>External Information: This field will be a unique ID which represents this ASN.</i>	M	AN	2/30	Must use								
BSN03	373	Date <i>External Information: This field will be the date that the ASN information was pulled from the database.</i>	M	DT	8/8	Must use								
BSN04	337	Time <i>External Information: This field is required if the vendor intends to submit more than one ASN file per shipment ASN ID.</i> <i>note: The format must be reported in hours. minutes and seconds:</i> HHMMSS <i>note: Local time must be converted to either Greenwich Mean Time or Universal Time Coordinates.</i> Formatting Notes: HHMMSS	C	TM	4/8	Used								
BSN05	1005	Hierarchical Structure Code <table border="1"><thead><tr><th><u>Code</u></th><th><u>Name</u></th></tr></thead><tbody><tr><td>0001</td><td>Shipment, Order, Packaging, Item</td></tr><tr><td>0003</td><td>Shipment, Packaging, Order, Item</td></tr><tr><td>0004</td><td>Shipment, Order, Item</td></tr></tbody></table>	<u>Code</u>	<u>Name</u>	0001	Shipment, Order, Packaging, Item	0003	Shipment, Packaging, Order, Item	0004	Shipment, Order, Item	M	ID	4/4	Must use
<u>Code</u>	<u>Name</u>													
0001	Shipment, Order, Packaging, Item													
0003	Shipment, Packaging, Order, Item													
0004	Shipment, Order, Item													

Semantics:

1. BSN03 is the date the shipment transaction set is created.
2. BSN04 is the time the shipment transaction set is created.

Example:

```
BSN*00*0305140907*20030514**0001  
BSN*05*0305140907*20030515**0001
```

Please note::

If you send an ASN that is meant to replace the original, send the same shipment identification in the BSN02 and a value of 05 in the BSN02.

Loop HL

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>
010	HL	Hierarchical Level	M	1	
110	TD1	Carrier Details (Quantity and Weight)	M	20	
110	TD1	Carrier Details (Quantity and Weight)	O	20	
120	TD5	Carrier Details (Routing Sequence/Transit Time)	M	12	
150	REF	Bill of Lading	C	>1	
150	REF	Pro Number/Tracking ID/Airbill Number	C	>1	
150	REF	Seal Number	O	>1	
200	DTM	Shipped Date	M	10	
200	DTM	Estimated Arrival Date	M	10	
210	FOB	F.O.B. Related Instructions	M	1	
220		Loop N1	M		200
220		Loop N1	M		200

HL

Hierarchical Level

Pos: 010	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 4

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
HL01	628	Hierarchical ID Number <i>External Information: This will be a unique ID number which sequentially increase with each subsequent HL loop.</i>	M	AN	1/12	Must use				
HL02	734	Hierarchical Parent ID Number <i>External Information: This field will be the HL01 element for the HL loop that this loop belongs to.</i> <i>Orders => Shipments</i> <i>Packages => Orders</i> <i>Items => Packages or Orders</i>	O	AN	1/12	Recommended				
HL03	735	Hierarchical Level Code <table border="1"><thead><tr><th><u>Code</u></th><th><u>Name</u></th></tr></thead><tbody><tr><td>S</td><td>Shipment</td></tr></tbody></table>	<u>Code</u>	<u>Name</u>	S	Shipment	M	ID	1/2	Must use
<u>Code</u>	<u>Name</u>									
S	Shipment									
HL04	736	Hierarchical Child Code <table border="1"><thead><tr><th><u>Code</u></th><th><u>Name</u></th></tr></thead><tbody><tr><td>1</td><td>Additional Subordinate HL Data Segment in This Hierarchical Structure.</td></tr></tbody></table>	<u>Code</u>	<u>Name</u>	1	Additional Subordinate HL Data Segment in This Hierarchical Structure.	O	ID	1/1	Recommended
<u>Code</u>	<u>Name</u>									
1	Additional Subordinate HL Data Segment in This Hierarchical Structure.									

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.

Example:

HL*1**S

TD1

Carrier Details (Quantity and Weight)

Pos: 110	Max: 20
Detail - Mandatory	
Loop: HL	Elements: 6

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD101	103	Packaging Code <u>Code</u> <u>Name</u> CTN Carton	M	AN	3/5	Must use
TD102	80	Lading Quantity External Information: <i>This field will be the total number of cartons making up a shipment.</i>	M	NO	1/7	Must use
TD105	79	Lading Description External Information: <i>This field is used to indicate whether a shipment is floor loaded or not. A value of FLR indicates that the shipment is floor loaded. A value of PLT indicates a shipment of pallets. Please Note: All non-small parcel shipments must be palletized.</i>	O	AN	1/50	Used
TD106	187	Weight Qualifier <u>Code</u> <u>Name</u> G Gross Weight	M	ID	1/2	Must use
TD107	81	Weight External Information: <i>This field will be the gross weight of the shipment.</i>	M	R	1/10	Must use
TD108	355	Unit or Basis for Measurement Code <u>Code</u> <u>Name</u> KG Kilogram LB Pound	M	ID	2/2	Must use

Syntax:

1. C0102 - If TD101 is present, then all of TD102 are required

Example:

```
TD1*CTN*45***G*1297.03*LB
TD1*CTN*45***PLT*G*1297.03*LB
TD1*CTN*4***FLR*G*12.03*LB
```

TD1

Carrier Details (Quantity and Weight)

Pos: 110	Max: 20
Detail - Optional	
Loop: HL	Elements: 2

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD101	103	Packaging Code	O	AN	3/5	Used
		<u>Code</u> <u>Name</u>				
		PLT Pallet				
TD102	80	Lading Quantity	O	NO	1/7	Used
		External Information: <i>This field will be the total number of pallets making up the shipment.</i>				

Syntax:

1. C0102 - If TD101 is present, then all of TD102 are required

Example:

TD1*PLT*6

TD5

Carrier Details (Routing Sequence/Transit Time)

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD502	66	Identification Code Qualifier	M	ID	1/2	Must use
		<u>Code</u> <u>Name</u>				
		2 Standard Carrier Alpha Code (SCAC)				
TD503	67	Identification Code	M	AN	2/80	Must use

External Information: *The Standard Carrier Alpha Code (SCAC) is a unique two-to-four-letter code used to identify a carrier. Carrier SCAC codes are assigned and maintained by the NMFTA (National Motor Freight Association). To obtain a SCAC code or the list of all carrier SCAC codes contact the NMFTA at (703) 838-1868.*

NMFTA developed the SCAC identification codes in the late 1960's to facilitate computerization in the transportation industry.

The following is a list of preferred Amazon.com carriers and their corresponding SCAC code:

RBTW - CH Robinson
PHTS - Phoenix
SUSE - SuperSaver
ABFS - ABF Freight -
YFSY - Yellow Freight-
FXFW - Fedexfreight West
FXFE - Fedexfreight East
FDEN - Federal Express Heavy Weight (Air freight > 250lb)
EXP - Federal Express Parcel/Package/Overnight
RPSI - FedEx Ground
UPSN - UPS Small Parcel Carrier
AIRB - Airborne

Formatting Notes: *aaaa*

Syntax:

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

Example:

TD5**2*ABFS
TD5**2*UPSN

REF

Bill of Lading

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Code Name				
		BM Bill of Lading Number				
REF02	127	Reference Identification	M	AN	1/30	Must use

External Information: *Bill of Lading (BOL) reference number is required for truckload and less than truckload (LTL) shipments. The Amazon.com definition of BOL is defined in reference to truckload and LTL shipments only. BOL reference number is the unique number assigned by the shipper in creating the Bill of Lading. This is a number that identifies a unique shipment.*

Note: the BOL reference number on the paper BOL should match the reference number provided in this data element.

Syntax:

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

Semantics:

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

Example:

REF*BM*600305100059

REF

Pro Number/Tracking ID/Airbill Number

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

Element Summary:

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

<u>Code</u>	<u>Name</u>
CN	Carrier's Shipment Reference Number

User Note 1:

A value of CN is used to qualify the following values:

- => carrier PRO Number for LTL and TL Carriers
- => carrier tracking number for small parcel carriers
- => carrier airbill number for air freight.

REF02	127	Reference Identification	M	AN	1/30	Must use
-------	-----	--------------------------	---	----	------	----------

External Information: PRO number is required for truckload and less than truckload (LTL) shipments.

The PRO Number (Pro Number) is a unique number assigned by the carrier. It is used to identify and track the shipment that goes out for delivery.

Note regarding small parcel shipments:
For small parcel carriers the tracking number per package is required in this field. If you are unable to provide a tracking number per package at the shipment level, you may provide each tracking number in the package level REF segment.

Note regarding air freight:
The airbill number replaces the tracking number or PRO number for air freight shipments.

An airbill number is the unique identifier air carriers use to identify a package or pallet. The carrier may use this number to invoice as well. The airbill number is assigned by the carrier to either the package for small parcel shipments or to the pallet for large shipments.

The airbill number per package/pallet is required in this field. If you are unable to provide an airbill number per package/pallet at the shipment level, you may provide each airbill number in the package level REF segment.

Syntax:

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

Semantics:

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

Segment Use:

If there is only one PRO/Tracking number/Airbill number, the REF segment must exist at the Shipment Level.

If there are multiple unique PRO/Tracking Numbers/Airbill numbers, you may use the REF segment in the Package Level.

Example:

(example of valid Pro Number from trucking company)

*REF*CN*009447616*

(example of valid tracking number from small parcel carrier)

*REF*CN*1ZE1628E0340236740*

REF

Seal Number

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	O	ID	2/3	Used
		Code Name				
		SN Seal Number				
REF02	127	Reference Identification	O	AN	1/30	Used
		External Information: <i>This field will be the container's seal number.</i>				

Syntax:

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

Semantics:

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

DTM Shipped Date

Pos: 200	Max: 10
Detail - Mandatory	
Loop: HL	Elements: 4

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use
		<u>Code</u> <u>Name</u>				
		011 Shipped				
DTM02	373	Date	M	DT	8/8	Must use
		External Information: <i>This field will contain the date/time that the shipment departed.</i>				
		Formatting Notes: CCYYMMDD				
DTM03	337	Time	C	TM	4/8	Used
DTM04	623	Time Code	C	ID	2/2	Used
		<u>Code</u> <u>Name</u>				
		GM Greenwich Mean Time				
		UT Universal Time Coordinate				

Syntax:

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

Example:

(example with mandatory fields)

DTM*011*20030507

(example with mandatory and optional fields)

DTM*011*20030507*0907*GM

DTM Estimated Arrival Date

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use
		Code Name				
		017 Estimated Delivery				
DTM02	373	Date	M	DT	8/8	Must use
External Information: <i>This field will be the estimated date of arrival will be for this shipment.</i>						
Formatting Notes: CCYYMMDD						

Syntax:

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

Example:

DTM*017*20030514

FOB

F.O.B. Related Instructions

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

Element Summary:

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

Semantics:

1. FOB01 indicates which party will pay the carrier.

Example:

FOB*CC
FOB*PO

Loop N1

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>
220	N1	Name	M	1	
250	N4	Geographic Location	M	1	

Example:

```
N1*SF*SUPPLIER*15*1234567  
N4*NASHVILLE*TN*37214
```

N1

Name

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Reg</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use
		Code Name				
		SF Ship From				
N102	93	Name	O	AN	1/60	Used
N103	66	Identification Code Qualifier	M	ID	1/2	Must use
		Code Name				
		1 D-U-N-S Number, Dun & Bradstreet				
		15 Standard Address Number (SAN)				
		ZZ Mutually Defined				
N104	67	Identification Code	M	AN	2/80	Must use
		External Information: <i>This field will be a unique ID that represents the warehouse where this shipment originated from.</i>				

Syntax:

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

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

N4

Geographic Location

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	M	AN	2/30	Must use
N402	156	State or Province Code	M	ID	2/2	Must use
N403	116	Postal Code	M	ID	3/15	Must use
N404	26	Country Code	M	ID	2/3	Must use

Formatting Notes:

United States - US
Canada - CA
United Kingdom - GB
France - FR
Germany - DE
Japan - JP

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.

Loop N1

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>
220	N1	Name

<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>
M	1	

N1

Name

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use
		Code Name				
		ST Ship To				
N102	93	Name	O	AN	1/60	Used
N103	66	Identification Code Qualifier	X	ID	1/2	Used
		Code Name				
		15 Standard Address Number (SAN)				
		92 Assigned by Buyer or Buyer's Agent				
N104	67	Identification Code	X	AN	2/80	Used
		External Information: <i>This field will be a unique ID representing the Amazon FC where this shipment will be delivered.</i>				
		Formatting Notes:				
		<i>PHL1 => New Castle, DE</i>				
		<i>RNO1 => Fernley, NV</i>				
		<i>LEX1 => Lexington, KY</i>				
		<i>TUL1 => Coffeerville, KS</i>				
		<i>SDF1 => Campbellsville, KY</i>				
		<i>PRT0 => Mississauga, ON</i>				

Syntax:

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

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

Example:

```
N1*ST*AMAZON COM INC*92*RNO1  
N1*ST*AMAZON COM INC*15*1566008
```

Loop HL

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

Loop Summary:

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

HL

Hierarchical Level

Pos: 010	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 4

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
HL01	628	Hierarchical ID Number <i>External Information: This will be a unique ID number which sequentially increase with each subsequent HL loop.</i>	M	AN	1/12	Must use				
HL02	734	Hierarchical Parent ID Number <i>External Information: This field will be the HL01 element for the HL loop that this loop belongs to.</i> <i>Orders => Shipments</i> <i>Packages => Orders</i> <i>Items => Packages or Orders</i>	O	AN	1/12	Used				
HL03	735	Hierarchical Level Code <table border="1"><thead><tr><th><u>Code</u></th><th><u>Name</u></th></tr></thead><tbody><tr><td>O</td><td>Order</td></tr></tbody></table>	<u>Code</u>	<u>Name</u>	O	Order	M	ID	1/2	Must use
<u>Code</u>	<u>Name</u>									
O	Order									
HL04	736	Hierarchical Child Code All valid standard codes are used.	O	ID	1/1	Used				

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.

PRF

Purchase Order Reference

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

Element Summary:

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

External Information: *This field will contain the Amazon purchase order number. It will be supplied for all Amazon.com Purchase Order numbers relevant to each shipment and that shipment's paper bill of lading (BOL).*

Formatting Notes: *annnnnnn*

Semantics:

- 1.

Example:

PRF*S3993317

Loop HL

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>
010	HL	Hierarchical Level	C	1	
110	TD1	Carrier Details (Quantity and Weight)	O	20	
150	REF	Tracking ID/Airbill Number	C	>1	
190	MAN	Marks and Numbers	C	>1	

Segment Use:

The HL-Package loop is only required when license plate receive is in progress or multiple tracking numbers exist for a single ASN.

HL

Hierarchical Level

Pos: 010	Max: 1
Detail - Conditional	
Loop: HL	Elements: 4

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
HL01	628	Hierarchical ID Number <i>External Information: This will be a unique ID number which sequentially increase with each subsequent HL loop.</i>	M	AN	1/12	Must use				
HL02	734	Hierarchical Parent ID Number <i>External Information: This field will be the HL01 element for the HL loop that this loop belongs to.</i> <i>Orders => Shipments</i> <i>Packages => Orders</i> <i>Items => Packages or Orders</i>	O	AN	1/12	Used				
HL03	735	Hierarchical Level Code <table border="1"><thead><tr><th><u>Code</u></th><th><u>Name</u></th></tr></thead><tbody><tr><td>P</td><td>Pack</td></tr></tbody></table>	<u>Code</u>	<u>Name</u>	P	Pack	M	ID	1/2	Must use
<u>Code</u>	<u>Name</u>									
P	Pack									
HL04	736	Hierarchical Child Code All valid standard codes are used.	O	ID	1/1	Used				

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.

TD1

Carrier Details (Quantity and Weight)

Pos: 110	Max: 20
Detail - Optional	
Loop: HL	Elements: 10

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD101	103	Packaging Code	O	AN	3/5	Not used
		<u>Code</u> <u>Name</u>				
		CTN Carton				
		PLT Pallet				
TD102	80	Lading Quantity	X	N0	1/7	Used
TD103	23	Commodity Code Qualifier	O	ID	1/1	Not used
TD104	22	Commodity Code	O	AN	1/30	Not used
TD105	79	Lading Description	O	AN	1/50	Used
TD106	187	Weight Qualifier	O	ID	1/2	Used
		<u>Code</u> <u>Name</u>				
		G Gross Weight				
TD107	81	Weight	O	R	1/10	Used
TD108	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		<u>Code</u> <u>Name</u>				
		KG Kilogram				
		LB Pound				
TD109	183	Volume	X	R	1/8	Used
TD110	355	Unit or Basis for Measurement Code	X	ID	2/2	Used

All valid standard codes are used.

Syntax:

1. C0607 - If TD106 is present, then all of TD107 are required
2. P0708 - If either TD107,TD108 is present, then all are required
3. P0910 - If either TD109,TD110 is present, then all are required

Example:

```
TD1*CTN*1****G*2.5*LB
TD1*PLT*1****G*50.75*LB
```

REF

Tracking ID/Airbill Number

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

Element Summary:

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

<u>Code</u>	<u>Name</u>
CN	Carrier's Tracking/Airbill Number

User Note 1:

A value of CN is used to qualify the following values:

- => carrier tracking number for small parcel carriers
- => carrier airbill number for air freight.

REF02	127	Reference Identification	M	AN	1/30	Must use
-------	-----	--------------------------	---	----	------	----------

External Information: For small parcel shipments, this field may contain the carrier tracking number per package.

For air freight, this field may contain the air bill (assigned by the carrier) per package/pallet.

Syntax:

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

Semantics:

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

Segment Use:

Example:

REF*CN*1ZE1628E0340236740

MAN Marks and Numbers

Pos: 190	Max: >1
Detail - Conditional	
Loop: HL	Elements: 2

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
MAN01	88	Marks and Numbers Qualifier	M	ID	1/2	Must use				
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>GM</td> <td>SSCC-18 and Application Identifier</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	GM	SSCC-18 and Application Identifier				
<u>Code</u>	<u>Name</u>									
GM	SSCC-18 and Application Identifier									
MAN02	87	Marks and Numbers	M	AN	1/48	Must use				
		External Information: <i>This field will be the UCC-128 code associated with this package. Refer to Appendix A for more information regarding LP Receive with Amazon.com and our label specifications.</i>								

Syntax:

1. P0405 - If either MAN04,MAN05 is present, then all are required
2. C0605 - If MAN06 is present, then all of MAN05 are required

Segment Use:

This segment must be used if companies are involved in the Amazon license plate receive process.

Example:

MAN*GM*00000388080758591512

Loop HL

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>
010	HL	Hierarchical Level	M	1	
020	LIN	Item Identification	M	1	
030	SN1	Item Detail (Shipment)	M	1	
040	SLN	Subline Item Detail	O	1000	

HL

Hierarchical Level

Pos: 010	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 4

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
HL01	628	Hierarchical ID Number <i>External Information: This will be a unique ID number which sequentially increase with each subsequent HL loop.</i>	M	AN	1/12	Must use				
HL02	734	Hierarchical Parent ID Number <i>External Information: This field will be the HL01 element for the HL loop that this loop belongs to.</i> <i>Orders => Shipments</i> <i>Packages => Orders</i> <i>Items => Packages or Orders</i>	O	AN	1/12	Used				
HL03	735	Hierarchical Level Code <table border="1"><thead><tr><th><u>Code</u></th><th><u>Name</u></th></tr></thead><tbody><tr><td>I</td><td>Item</td></tr></tbody></table>	<u>Code</u>	<u>Name</u>	I	Item	M	ID	1/2	Must use
<u>Code</u>	<u>Name</u>									
I	Item									
HL04	736	Hierarchical Child Code All valid standard codes are used.	O	ID	1/1	Used				

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.

LIN

Item Identification

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>								
LIN01	350	Assigned Identification <i>External Information: This will be a unique line number representing this item.</i>	O	AN	1/20	Used								
LIN02	235	Product/Service ID Qualifier <table border="1"><thead><tr><th><u>Code</u></th><th><u>Name</u></th></tr></thead><tbody><tr><td>EN</td><td>European Article Number (EAN) (2-5-5-1)</td></tr><tr><td>IB</td><td>International Standard Book Number (ISBN)</td></tr><tr><td>UP</td><td>U.P.C. Consumer Package Code (1-5-5-1)</td></tr></tbody></table>	<u>Code</u>	<u>Name</u>	EN	European Article Number (EAN) (2-5-5-1)	IB	International Standard Book Number (ISBN)	UP	U.P.C. Consumer Package Code (1-5-5-1)	M	ID	2/2	Must use
<u>Code</u>	<u>Name</u>													
EN	European Article Number (EAN) (2-5-5-1)													
IB	International Standard Book Number (ISBN)													
UP	U.P.C. Consumer Package Code (1-5-5-1)													
LIN03	234	Product/Service ID <i>External Information: The value in this field should match the line item identifier supplied by Amazon.com when the order was placed either via EDI or some alternative method such as email.</i>	M	AN	1/48	Must use								

Semantics:

1. LIN01 is the line item identification

Example:

LIN**IB*0718002431

SN1 Item Detail (Shipment)

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SN101	350	Assigned Identification <i>External Information: This will be a unique line number representing this item.</i>	O	AN	1/20	Used
SN102	382	Number of Units Shipped <i>External Information: This field will be the number of units shipped for this item related to this order.</i>	M	R	1/10	Must use
SN103	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u>				
		EA Each				
		UN Unit				

Syntax:

1. P0506 - If either SN105,SN106 is present, then all are required

Semantics:

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

Comments:

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

Example:

SN1**1*EA

SLN

Subline Item Detail

Pos: 040	Max: 1000
Detail - Optional	
Loop: HL	Elements: 5

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>
SLN01	350	Assigned Identification <i>External Information: This will be a unique line number representing this item.</i>	M	AN	1/20	Must use
SLN02	350	Assigned Identification	O	AN	1/20	Not used
SLN03	662	Relationship Code	M	ID	1/1	Must use
		<u>Code</u> <u>Name</u>				
		I Included				
SLN06	212	Unit Price	M	R	1/17	Must use
SLN07	639	Basis of Unit Price Code	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u>				
		NT Net				

Syntax:

1. P0405 - If either SLN04,SLN05 is present, then all are required
2. C0706 - If SLN07 is present, then all of SLN06 are required
3. C0806 - If SLN08 is present, then all of SLN06 are required
4. P0910 - If either SLN09,SLN10 is present, then all are required
5. P1112 - If either SLN11,SLN12 is present, then all are required
6. P1314 - If either SLN13,SLN14 is present, then all are required
7. P1516 - If either SLN15,SLN16 is present, then all are required
8. P1718 - If either SLN17,SLN18 is present, then all are required
9. P1920 - If either SLN19,SLN20 is present, then all are required
10. P2122 - If either SLN21,SLN22 is present, then all are required
11. P2324 - If either SLN23,SLN24 is present, then all are required
12. P2526 - If either SLN25,SLN26 is present, then all are required
13. P2728 - If either SLN27,SLN28 is present, then all are required

Semantics:

1. SLN01 is the identifying number for the subline item.
2. SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
3. SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

Comments:

1. See the Data Element Dictionary for a complete list of IDs.
2. SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.

Example:

SLN*PRICE**O***6.5*NT

CTT

Transaction Totals

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items <i>External Information: Logical count of all HL loops in the message.</i>	M	N0	1/6	Must use
CTT02	347	Hash Total <i>External Information: Sum of all SN102 segments.</i>	M	R	1/10	Must use

Syntax:

1. P0304 - If either CTT03,CTT04 is present, then all are required
2. P0506 - If either CTT05,CTT06 is present, then all are required

Comments:

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

Example:

CTT*537*2426

SE

Transaction Set Trailer

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments	M	NO	1/10	Must use
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use

Comments:

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

GE

Functional Group Trailer

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GE01	97	Number of Transaction Sets Included	M	N0	1/6	Must use
GE02	28	Group Control Number	M	N0	1/9	Must use

Semantics:

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

Comments:

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

IEA

Interchange Control Trailer

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IEA01	I16	Number of Included Functional Groups	M	N0	1/5	Must use
IEA02	I12	Interchange Control Number	M	N0	9/9	Must use

Appendix A



Sample Paper BOL

Your paper BOL is required to always include your BOL Number, Carrier Reference Number (PRO Number). It is also required that the paper bill of lading reference **ALL Purchase Orders** that are included in this shipment so we may tie back to invoice if there are any problems.

In turn your EDI Advance Shipment Notification must always reference the Bill of Lading Number and Pro Number as referenced below on the paper bill of lading and your ASN must provide details for all **ALL Purchase Orders** included on your shipment and in turn on the paper bill of lading.

Characteristics: Carrier Information lists total cartons per NMFC#

VICS Standard BOL: WWW.VICS.ORG For Complete VICS BOL Guideline Information

Date: 02/01/1999		BILL OF LADING		Page 1			
SHIP FROM			Bill of Lading Number: <u>06141411234567890</u>  (402) 06141411234567890				
Name: <u>ABC Company</u> Address: <u>1000 ABC Drive</u> City/State/Zip: <u>Any City, AB, 10000</u> SID#: _____							
SHIP TO			CARRIER NAME: <u>LTL Transportation</u> Trailer number: _____ Seal number(s): _____				
Name: <u>XYZ Company</u> Location #: <u>0669</u> Address: <u>9000 XYZ Drive</u> City/State/Zip: <u>Some City, ZY 90000</u> CID#: _____							
THIRD PARTY FREIGHT CHARGES BILL TO:			SCAC: <u>ABCD</u> Pro number: <u>12345678901234567890</u>  (9012K) ABCD12345678901234567890				
Name: _____ Address: _____ City/State/Zip: _____							
SPECIAL INSTRUCTIONS:			Freight Charge Terms: <i>(freight charges are prepaid unless marked otherwise)</i> Prepaid _____ Collect <u>X</u> 3 rd Party _____ <input type="checkbox"/> (check box) Master Bill of Lading: with attached underlying Bills of Lading				
			CUSTOMER ORDER INFORMATION				
CUSTOMER ORDER NUMBER	# PKGS	WEIGHT	PALLET/SLIP		ADDITIONAL SHIPPER INFO		
<u>45012345698</u>	<u>144 ctns</u>	<u>1152 lbs</u>	Y	N			
<u>6805673</u>	<u>15 ctns</u>	<u>45 lbs</u>	Y	N			
			Y	N			
			Y	N			
			Y	N			
GRAND TOTAL	<u>159 ctns</u>	<u>1197 lbs</u>					
CARRIER INFORMATION							
HANDLING UNIT		PACKAGE		COMMODITY DESCRIPTION		LTL ONLY	
QTY	TYPE	QTY	TYPE	WEIGHT	H.M. (X)	NMFC #	CLASS
1	<u>plts</u>	48	<u>ctns</u>	384 lbs		154865 00	70
2	<u>plts</u>	96	<u>ctns</u>	768 lbs		168955 03	92.5
15	<u>ctns</u>	15	<u>ctns</u>	45 lbs		168945 01	100
18		159		1197 lbs		GRAND TOTAL	
Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property as follows: "The agreed or declared value of the property is specifically stated by the shipper to be not exceeding _____ per _____."					COD Amount: \$ _____ Fee Terms: Collect: <input type="checkbox"/> Prepaid: <input type="checkbox"/> Customer check acceptable: <input type="checkbox"/>		
NOTE Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. ** 14706(c)(1)(A) and (B).						RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request. The shipper hereby certifies that he/she is familiar with all the terms and conditions of the NMFC Uniform Straight Bill of Lading, including those on the back thereof, and the said terms and conditions are hereby agreed to by the shipper and accepted for him/herself and his/her assigns.	
SHIPPER SIGNATURE / DATE This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the DOT.				Trailer Loaded: <input checked="" type="checkbox"/> By Shipper <input type="checkbox"/> By Driver		Freight Counted: <input checked="" type="checkbox"/> By Shipper <input type="checkbox"/> By Driver/pallets said to contain <input type="checkbox"/> By Driver/Pieces	
CARRIER SIGNATURE / PICKUP DATE Carrier acknowledges receipt of packages and required placards. Carrier certifies emergency response information was made available and/or carrier has the DOT emergency response guidebook or equivalent documentation in the vehicle. <i>Property described above is received in good order, except as noted.</i>						_____ Shipper Signature	

Appendix B

LP Receive With Amazon.com

Operational Requirements:

A. Shipping label should include the SSCC information and:

- (1) The words "SSCC Label"
- (2) Numeric SSCC (in case bar code doesn't scan)
- (3) Scannable SSCC Barcode that is UCC-128 compliant that is at least 14 pt font
(<http://www.uc-council.org/reflib/00603/01/010403.html>)
- (4) PO Number (preferably scannable)

SSCC codes must always be present at the carton level. If only pallet or trailer level SSCC codes are available, please contact Robin Stebbins (stebbins@amazon.com).

B. Placement of label

Label should be placed on the **side of the carton** 1 to 2" from the side or top edge. The label should not be placed over the carton seam or in a place where it can get obstructed by tape or another label. Clear tape creates "reflection," which causes the label to be unreadable.

The SSCC should not be placed on the top of the carton.

C. Reuse of the SSCC number:

SSCC codes must be unique and **not reused within 12 months** from the time it is shipped to Amazon.com

D. Stacking of pallets, when applicable

Build pallets with SSCC labels facing outwards and clearly visible, whenever possible without compromising stability and density of pallet, so receiver can scan the barcode without breaking down the pallet.

E. Item level defects must be within reasonable limits

- i. All products must have a valid and functional bar code
- ii. Products bar code must be linked to proper ASIN (Amazon Standard Identification Number)

F. Timing: ASNs must be received prior to the physical receipt of the product

It is the supplier's responsibility to ensure that information is provided before the shipment arrives at any fulfillment center.

Certification of Vendors

Gold Certification

"Allows for one scan receive"

- (1) Must be on EDI with Amazon using 856s ([see ASN details](#))
- (2) ASN Loading
 - a. SSCC barcodes must have a minimum of a 98% load rate, while code is being developed to process replacements (purpose codes) for a period of 3 weeks. Once code is complete, 99% load rate for 3 weeks will be required
 - b. Shipping label approved by Amazon.com
 - c. Package sent to FC with approved shipping label to validate that the barcode scans
 - d. Load rate calculation: $(\text{Total SSCC labels sent} - \text{No / bad SSCC label} + \text{SSCC not on file}) / (\text{Total number of SSCC labels received} + \text{No / bad SSCC label} + \text{SSCC not on file})$
- (3) Test shipment: Vendor and Amazon will work together to audit a shipment to one of Amazon.com's FC. Audit will verify compliant shipping label, product defects, overage / shortages in order and within containers, "switcheroos" within containers and in order, damages, etc.
 - a. Inventory accuracy (overage, shortage) must be 99.4% Note that Amazon.com reserves the right to change this number at any time throughout the certification process
 - b. Product defect rate remain between 0 and 5% of units shipped.

- (4) If accuracy level drops below required levels or SSCC load rate drops below 98% for more than 7 consecutive days, vendor will be suspended from license plate receive program and will be audited until performance is back to 98% for seven consecutive days.

Platinum Certification:

“Allows for one scan receive and stow”



Note: Certification levels will freeze during Q4

In addition to maintaining the gold level performance, vendor must also:

- (1) Maintain a gold level certification for 3 months
- (2) Inventory accuracy (container vs. ASN) must be 99.9%; vendor must maintain accuracy rate for 2 months prior to achieving Platinum status.

Vendors dropping below performance targets for more than 5 days out of a week will return to Gold Certification status and will restart the clock on Platinum certification.

UCC128 Label Specifications

SHIP FROM: HAPPY PUBLISHER, INC. 1234 BESTSELLER LANE PUBVILLE US 54321	SHIP TO: FINAL STOP BOOKSTORE STORE # 9999 123 MAIN STREET ANYTOWN US 12345
 (420) 12345	Best Freight PRO #: 123456789 B/L #: 65432
Purchase Order: 1234567890 Department #: B-1234 Carton Quantity: 35	
Invoice #: 987654321 Carton #: 1 of 10 Shipping Lane: BF-03	
SSCC-18  (00) 0 1234567 012345678 9	

Other additions:

FULL CASE PACKS. Please include a scannable UPC either on the shipping label (with the quantity inside the box) or on the outside of the box.

MULTIPLE Pos PER BOX: Please list all Pos in box if not we require a carton packing slip inside the carton and a PO that reads MIXED SKUS. If you are an ASN vendor on LP Receive, if you meet accuracy standard we will relax this requirement.

PARTIAL CARTONS: If you are sending a carton with incomplete quantities, there must be a sticker on the outside of the box telling us it's a partial order.

MIXED SKUS: If you are approved to send boxes with Mixed SKUs, you must label the container with MIXED SKU label.

Placement of the label:

We prefer that the shipping label code is in the bottom right hand corner. If it must go on top (UPS or automated process), it must be offset so the label does not cover the seam (we lose valuable info this way resulting in potential misreceives.)

Appendix C

General Contact Information

EDI Hotline Number: 206-266-7188

EDI Fax Number: 206-266-7665

e-mail: ei-procurement@amazon.com

Technical Contacts Enterprise Integration Implementation:

Carolyn Waldow

Systems Integration Analyst

206-266-6817

carolyn@amazon.com

Miche'le Giannini

Systems Integration Analyst

206-266-2953

Giannini@amazon.com

Technical Contact Enterprise Integration Operations (post production):

Amazon.com EI-Operations Hotline: 206-266-6800

electronic-orders@amazon.com

Enterprise Integration Implementation Manager

Kyle Hurst

206-266-1576

khurst@amazon.com
