# Amazon ASN

**X12 856**

## Version: 4010 Final


**Author:** **Amazon.com**



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# 856 Ship Notice/Manifest

## Functional Group=SH

**Purpose:** 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:

| Pos | Id | Segment Name | Req | Max Use | Repeat | Notes |
|---|---|---|---|---|---|---|
| 0100 | ISA | Interchange Control Header | M | 1 | | |
| 0200 | GS | Functional Group Header | M | 1 | | |

### Heading:

| Pos | Id | Segment Name | Req | Max Use | Repeat | Notes |
|---|---|---|---|---|---|---|
| 0100 | ST | Transaction Set Header | M | 1 | | |
| 0200 | BSN | Beginning Segment for Ship Notice | M | 1 | | |
| 0300 | DTM | Date/Time Reference | O | 10 | | |

### Detail:

| Pos | Id | Segment Name | Req | Max Use | Repeat | Notes |
|---|---|---|---|---|---|---|
| **LOOP ID - HL** | | | | | **200000** | **C2/0100L** |
| 0200 | HL | Hierarchical Level - Shipment | M | 1 | | C2/0200 |
| 1200 | TD1 | Carrier Details (Quantity and Weight) | M | 20 | | |
| 1300 | TD1 | Carrier Details (Quantity and Weight) | O | 20 | | |
| 1400 | TD5 | Carrier Details (Routing Sequence/Transit Time) | M | 12 | | |
| 1800 | REF | Bill of Lading | C | >1 | | |
| 1900 | REF | Pro Number/Tracking ID/Airbill Number | C | >1 | | |
| 2000 | REF | Seal Number | O | >1 | | |
| 3800 | DTM | Shipped Date | O | 10 | | N2/3800 |
| 4000 | FOB | F.O.B. Related Instructions | M | 1 | | |
| **LOOP ID - N1** | | | | | **200** | |
| 4300 | N1 | Name | M | 1 | | |
| 4500 | N3 | Address Information | O | 2 | | |
| 4600 | N4 | Geographic Location | M | 1 | | |
| **LOOP ID - N1** | | | | | **200** | |
| 5100 | N1 | Name | M | 1 | | |
| **LOOP ID - HL** | | | | | **200000** | **C2/7300L** |
| 7400 | HL | Hierarchical Level - Order | M | 1 | | C2/7400 |
| 7800 | PRF | Purchase Order Reference | M | 1 | | |
| **LOOP ID - HL** | | | | | **200000** | **C2/13300L** |
| 13400 | HL | Hierarchical Level - Package | C | 1 | | C2/13400 |
| 14400 | TD1 | Carrier Details (Quantity and Weight) | C | 20 | | |
| 15000 | REF | Tracking ID/Airbill Number | C | >1 | | |
| 16700 | MAN | Marks and Numbers | C | >1 | | |
| **LOOP ID - HL** | | | | | **200000** | **C2/19400L** |
| 19500 | HL | Hierarchical Level - Item | M | 1 | | C2/19500 |
| 19600 | LIN | Item Identification | M | 1 | | |
| 19700 | SN1 | Item Detail (Shipment) | M | 1 | | |

### Summary:

| Pos | Id | Segment Name | Req | Max Use | Repeat | Notes |
|---|---|---|---|---|---|---|

| Pos | Id | Segment Name | Req | Max Use | Repeat | Notes |
|---|---|---|---|---|---|---|
| 0100 | CTT | Transaction Totals | M | 1 | | N3/0100 |
| 0200 | SE | Transaction Set Trailer | M | 1 | | |

## Not Defined:

| Pos | Id | Segment Name | Req | Max Use | Repeat | Notes |
|---|---|---|---|---|---|---|
| 0100 | GE | Functional Group Trailer | M | 1 | | |
| 0200 | IEA | Interchange Control Trailer | M | 1 | | |

## Notes:

2/3800

3/0100 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:

| | |
|---|---|
| 2/0100L | The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning. |
| 2/0200 | The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning. |
| 2/7300L | The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning. |
| 2/7400 | The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning. |
| 2/13300L | The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning. |
| 2/13400 | The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning. |
| 2/19400L | The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning. |
| 2/19500 | The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning. |

# ISA Interchange Control Header

**Pos: 0100** **Max: 1**
**Not Defined - Mandatory**
**Loop: N/A** **Elements: 16**

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| ISA01 | I01 | **Authorization Information Qualifier** | M | ID | 2/2 | Must use |
| | | **Code Name**<br>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 |
| | | **Code Name**<br>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 |
| | | **External Information:** *This field will contain the unique sender ID which represents the message creator.* | | | | |
| ISA07 | I05 | **Interchange ID Qualifier** | M | ID | 2/2 | Must use |
| | | **Code Name**<br>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 |
| | | **External Information:** *This field will be the date that the EDI message was created.* | | | | |
| ISA10 | I09 | **Interchange Time** | M | TM | 4/4 | Must use |
| | | **External Information:** *This field will be the time that the EDI message was created.* | | | | |
| 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 |
| | | **Code Name**<br>00400 Standard Issued as ANSI X12.5-1997 | | | | |
| ISA13 | I12 | **Interchange Control Number** | M | N0 | 9/9 | Must use |
| | | **External Information:** *This field will contain a unique nine digit number representing this EDI transaction.* | | | | |
| ISA14 | I13 | **Acknowledgment Requested** | M | ID | 1/1 | Must use |
| | | **Code Name**<br>0 No Acknowledgment Requested | | | | |
| ISA15 | I14 | **Usage Indicator** | M | ID | 1/1 | Must use |
| | | **Code Name**<br>P Production Data<br>T Test Data | | | | |
| ISA16 | I15 | **Component Element Separator** | M | AN | 1/1 | Must use |

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| | | **External Information:** *This field will contain the character used to designate the subelement separation.* | | | | |

## Example:

*ISA*00* *00* *ZZ*VENDOR *ZZ*AMAZON *070801*0200*U*00400*000013229*0*P*>*

# GS Functional Group Header

| Pos: 0200 | Max: 1 |
|---|---|
| Not Defined - Mandatory | |
| Loop: N/A | Elements: 8 |

## Element Summary:

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

## Example:

*GS*SH*VENDOR*AMAZON*20070801*0200*5517*X*004010*

# ST Transaction Set Header

| Pos: 0100 | Max: 1 |
|---|---|
| Heading - Mandatory | |
| Loop: N/A | Elements: 2 |

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| ST01 | 143 | **Transaction Set Identifier Code** | M | ID | 3/3 | Must use |
| | | **Code Name**<br>856 Ship Notice/Manifest | | | | |
| ST02 | 329 | **Transaction Set Control Number** | M | AN | 4/9 | Must use |
| | | **External Information:** *This field will contain a unique number representing this ST-SE transaction.* | | | | |

## Semantics:

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

## Example:

*ST*856*000007317*

# BSN Beginning Segment for Ship Notice

**Pos: 0200** **Max: 1**
**Heading - Mandatory**
**Loop: N/A** **Elements: 5**

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| BSN01 | 353 | **Transaction Set Purpose Code** | M | ID | 2/2 | Must use |
| | | **Code Name**<br>00 Original<br>05 Replace | | | | |
| BSN02 | 396 | **Shipment Identification** | M | AN | 2/30 | Must use |
| | | **External Information:** *This field will be a unique ID which represents this ASN.* | | | | |
| BSN03 | 373 | **Date** | M | DT | 8/8 | Must use |
| | | **External Information:** *This field will be the date that the ASN information was pulled from the database.* | | | | |
| BSN04 | 337 | **Time** | M | TM | 4/8 | Must use |
| | | **External Information:** *This field is required.*<br><br>*note: The format must be reported in hours. minutes and seconds:*<br><br>*note: Local time must be converted to either Greenwich Mean Time or Universal Time Coordinates.* | | | | |
| | | **Formatting Notes:** *HHMMSS* | | | | |
| BSN05 | 1005 | **Hierarchical Structure Code** | M | ID | 4/4 | Must use |
| | | **Code Name**<br>0001 Shipment, Order, Packaging, Item<br>0003 Shipment, Packaging, Order, Item<br>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 BSN01.*

# DTM Date/Time Reference

**Pos: 0300** **Max: 10**
**Heading - Optional**
**Loop: N/A** **Elements: 4**

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| DTM01 | 374 | **Date/Time Qualifier** | M | ID | 3/3 | Must use |
| | | **Code Name**<br>017 Estimated Delivery | | | | |
| DTM02 | 373 | **Date** | M | DT | 8/8 | Used |
| DTM03 | 337 | **Time** | M | TM | 4/8 | Used |
| DTM04 | 623 | **Time Code** | O | ID | 2/2 | Recommended |
| | | **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.

## Example:

*DTM*017*20030507*0907*GM*

# Loop HL

**Pos: 0100** **Repeat: 200000**
**Mandatory**
**Loop: HL** **Elements: N/A**

## Loop Summary:

| Pos | Id | Segment Name | Req | Max Use | Repeat |
|---|---|---|---|---|---|
| 0200 | HL | Hierarchical Level - Shipment | M | 1 | |
| 1200 | TD1 | Carrier Details (Quantity and Weight) | M | 20 | |
| 1300 | TD1 | Carrier Details (Quantity and Weight) | O | 20 | |
| 1400 | TD5 | Carrier Details (Routing Sequence/Transit Time) | M | 12 | |
| 1800 | REF | Bill of Lading | C | >1 | |
| 1900 | REF | Pro Number/Tracking ID/Airbill Number | C | >1 | |
| 2000 | REF | Seal Number | O | >1 | |
| 3800 | DTM | Shipped Date | O | 10 | |
| 4000 | FOB | F.O.B. Related Instructions | M | 1 | |
| 4200 | | Loop N1 | M | | 200 |
| 5000 | | Loop N1 | M | | 200 |

# HL Hierarchical Level - Shipment

| Pos: 0200 | Max: 1 |
|---|---|
| Detail - Mandatory | |
| Loop: HL | Elements: 4 |

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| HL01 | 628 | **Hierarchical ID Number** | M | AN | 1/12 | Must use |
| | | **External Information:** *This will be a unique ID number which sequentially increase with each subsequent HL loop.* | | | | |
| HL02 | 734 | **Hierarchical Parent ID Number** | O | AN | 1/12 | Used |
| HL03 | 735 | **Hierarchical Level Code** | M | ID | 1/2 | Must use |
| | | **Code Name**<br>S Shipment | | | | |
| HL04 | 736 | **Hierarchical Child Code** | O | ID | 1/1 | Recommended |
| | | **Code Name**<br>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: 1200** **Max: 20**
**Detail - Mandatory**
**Loop: HL** **Elements: 7**

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| TD101 | 103 | **Packaging Code** | M | AN | 3/5 | Must use |
| | | **Code Name**<br>CTN Carton | | | | |
| TD102 | 80 | **Lading Quantity** | M | N0 | 1/7 | Must use |
| | | **External Information:** *This field will be the total number of cartons making up a shipment.* | | | | |
| TD104 | 22 | **Commodity Code** | O | AN | 1/30 | Used |
| TD105 | 79 | **Lading Description** | O | AN | 1/50 | Used |
| | | **External Information:** *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.* | | | | |
| TD106 | 187 | **Weight Qualifier** | M | ID | 1/2 | Must use |
| | | **Code Name**<br>G Gross Weight | | | | |
| TD107 | 81 | **Weight** | M | R | 1/10 | Must use |
| | | **External Information:** *This field will be the gross weight of the shipment.* | | | | |
| TD108 | 355 | **Unit or Basis for Measurement Code** | M | ID | 2/2 | Must use |
| | | **Code Name**<br>KG Kilogram<br>LB Pound | | | | |

## Syntax Rules:

1. C0102 - If TD101 is present, then TD102 is 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: 1300** **Max: 20**
**Detail - Optional**
**Loop: HL** **Elements: 2**

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| TD101 | 103 | **Packaging Code** | M | AN | 3/5 | Used |
| | | **Code** **Name**<br>PLT Pallet | | | | |
| TD102 | 80 | **Lading Quantity** | C | N0 | 1/7 | Used |
| | | **External Information:** *This field will be the total number of pallets making up the shipment.* | | | | |

## Syntax Rules:

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

## Example:

*TD1*PLT*6*

# TD5 Carrier Details (Routing Sequence/Transit Time)

**Pos: 1400** **Max: 12**
**Detail - Mandatory**
**Loop: HL** **Elements: 2**

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| TD502 | 66 | **Identification Code Qualifier** | M | ID | 1/2 | Must use |
| | | **Code Name**<br>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.*<br><br>*NMFTA developed the SCAC identification codes in the late 1960's to facilitate computerization in the transportation industry.*<br><br>*Please find a list of preferred Amazon.com carriers and their corresponding SCAC code in the ASN Appendix of the Amazon EDI Package.* | | | | |
| | | **Formatting Notes:** *AAAA* | | | | |

## Example:

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

# REF Bill of Lading

| Pos: 1800 | Max: >1 |
|---|---|
| Detail - Conditional | |
| Loop: HL | Elements: 2 |

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| REF01 | 128 | **Reference Identification Qualifier** | M | ID | 2/3 | Must use |
| | | **Code Name**<br>BM Bill of Lading Number | | | | |
| REF02 | 127 | **Reference Identification**<br>**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.*<br>*Note: the BOL reference number on the paper BOL should match the reference number provided in this data element.* | M | AN | 1/30 | Must use |

## Example:

*REF*BM*600305100059*

# REF Pro Number/Tracking ID/Airbill Number

| Pos: 1900 | Max: >1 |
|---|---|
| Detail - Conditional | |
| Loop: HL | Elements: 2 |

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| REF01 | 128 | **Reference Identification Qualifier** | M | ID | 2/3 | Must use |
| | | **Code Name**<br>CN Carrier's Shipment Reference Number<br>**User Note 1:**<br>*A value of CN is used to qualify the following values:*<br>*=> carrier PRO Number for LTL and TL Carriers*<br>*=> carrier tracking number for small parcel carriers*<br>*=> carrier airbill number for air freight* | | | | |
| REF02 | 127 | **Reference Identification**<br>**External Information:** *PRO number is required for truckload and less than truckload (LTL) shipments.*<br>*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.*<br>*Note regarding small parcel shipments:*<br>*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.*<br>*Note regarding air freight:*<br>*The airbill number replaces the tracking number or PRO number for air freight shipments.*<br>*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.*<br>*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.* | M | AN | 1/30 | Must use |

## 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: 2000 | Max: >1 |
|---|---|
| Detail - Optional | |
| Loop: HL | Elements: 2 |

## Element Summary:

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

# DTM Shipped Date

| Pos: 3800 | Max: 10 |
|---|---|
| Detail - Optional | |
| Loop: HL | Elements: 4 |

## Element Summary:

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

## Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.

## Example:

*(example with mandatory fields)*
*DTM*011*20030507*
*(example with mandatory and optional fields)*
*DTM*011*20030507*0907*GM*

# FOB F.O.B. Related Instructions

| Pos: 4000 | Max: 1 |
|---|---|
| Detail - Mandatory | |
| Loop: HL | Elements: 1 |

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| FOB01 | 146 | **Shipment Method of Payment** | M | ID | 2/2 | Must use |

| Code | Name |
|---|---|
| CC | Collect |
| PO | Prepaid Only |

## Semantics:

1. FOB01 indicates which party will pay the carrier.

## Example:

*FOB*CC*
*FOB*PO*

# Loop N1

| Pos: 4200 | Repeat: 200 |
|---|---|
| Mandatory | |
| Loop: N1 | Elements: N/A |

## Loop Summary:

| Pos | Id | Segment Name | Req | Max Use | Repeat |
|---|---|---|---|---|---|
| 4300 | N1 | Name | M | 1 | |
| 4500 | N3 | Address Information | O | 2 | |
| 4600 | N4 | Geographic Location | M | 1 | |

## Example:

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

# N1 Name

| Pos: 4300 | Max: 1 |
|---|---|
| Detail - Mandatory | |
| Loop: N1 | Elements: 4 |

## Element Summary:

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

## 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.

## Example:

*N1*SF*SUPPLIER*15*1234567*

# N3 Address Information

| Pos: 4500 | Max: 2 |
|---|---|
| Detail - Optional | |
| Loop: N1 | Elements: 2 |

## Element Summary:

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

# N4 Geographic Location

| Pos: 4600 | Max: 1 |
|---|---|
| Detail - Mandatory | |
| Loop: N1 | Elements: 4 |

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| N401 | 19 | **City Name** | M | AN | 2/30 | Must use |
| N402 | 156 | **State or Province Code** | O | ID | 2/2 | Recommended |
| 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 Kingdon - GB*

*France - FR*

*Germany - DE*

*Japan - JP*

## Comments:

1. N402 is required only if city name (N401) is in the U.S. or Canada.

## Example:

*N4*NASHVILLE*TN*37214*US*

# Loop N1

| Pos: 5000 | Repeat: 200 |
|---|---|
| Mandatory | |
| Loop: N1 | Elements: N/A |

## Loop Summary:

| Pos | Id | Segment Name | Req | Max Use | Repeat |
|---|---|---|---|---|---|
| 5100 | N1 | Name | M | 1 | |

# N1 Name

| Pos: 5100 | Max: 1 |
|---|---|
| Detail - Mandatory | |
| Loop: N1 | Elements: 4 |

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| N101 | 98 | **Entity Identifier Code** | M | ID | 2/3 | Must use |
| | | **Code Name**<br>ST Ship To | | | | |
| N102 | 93 | **Name** | O | AN | 1/60 | Used |
| N103 | 66 | **Identification Code Qualifier** | M | ID | 1/2 | Must use |
| | | **Code Name**<br>15 Standard Address Number (SAN)<br>92 Assigned by Buyer or Buyer's Agent | | | | |
| N104 | 67 | **Identification Code** | M | AN | 2/80 | Must use |
| | | **External Information:** *This field will be a unique ID representing the Amazon FC where this shipment will be delivered.* | | | | |
| | | **Formatting Notes:** *Please see the list of Amazon Ship-To locations and their corresponding SANs in the ASN Appendix.* | | | | |

## 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.

## Segment Use:

*This needs to be the value that was sent in the corresponding 850 N104 ship-to code.*

## Example:

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

# Loop HL

**Pos: 7300** **Repeat: 200000**
**Conditional**
**Loop: HL** **Elements: N/A**

## Loop Summary:

| Pos | Id | Segment Name | Req | Max Use | Repeat |
|---|---|---|---|---|---|
| 7400 | HL | Hierarchical Level - Order | M | 1 | |
| 7800 | PRF | Purchase Order Reference | M | 1 | |

# HL Hierarchical Level - Order

| Pos: 7400 | Max: 1 |
|---|---|
| Detail - Mandatory | |
| Loop: HL | Elements: 4 |

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| HL01 | 628 | **Hierarchical ID Number**<br>**External Information:** *This will be a unique ID number which sequentially increase with each subsequent HL loop.* | M | AN | 1/12 | Must use |
| HL02 | 734 | **Hierarchical Parent ID Number**<br>**External Information:**<br>*This field will be the HL01 element for the HL loop that this loop belongs to.*<br><br>*Orders => Shipments*<br>*Packages => Orders*<br>*Items => Packages or Orders*<br><br>*HL*1**S*<br>*...*<br>*HL*2***1***O*<br>*...*<br>*HL*3***2***P*<br>*...*<br>*HL*4***3***I*<br>*...*<br>*HL*5***2***P*<br>*...*<br>*HL*6***5***I*<br>*...*<br>*HL*7***1***O* | M | AN | 1/12 | Must use |
| HL03 | 735 | **Hierarchical Level Code**<br>**Code** **Name**<br>O Order | M | ID | 1/2 | Must use |
| HL04 | 736 | **Hierarchical Child Code**<br>**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.

## Example:

*HL*2*1*O*

# PRF Purchase Order Reference

| Pos: 7800 | Max: 1 |
|---|---|
| Detail - Mandatory | |
| Loop: HL | Elements: 1 |

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| PRF01 | 324 | **Purchase Order Number**<br>**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).*<br>**Formatting Notes:** *Annnnnnn* | M | AN | 1/22 | Must use |

## Example:

*PRF*S3993317*

# Loop HL

**Pos: 13300** **Repeat: 200000**
**Conditional**
**Loop: HL** **Elements: N/A**

## Loop Summary:

| Pos | Id | Segment Name | Req | Max Use | Repeat |
|---|---|---|---|---|---|
| 13400 | HL | Hierarchical Level - Package | C | 1 | |
| 14400 | TD1 | Carrier Details (Quantity and Weight) | C | 20 | |
| 15000 | REF | Tracking ID/Airbill Number | C | >1 | |
| 16700 | 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 - Package

| Pos: 13400 | Max: 1 |
|---|---|
| Detail - Conditional | |
| Loop: HL | Elements: 4 |

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| HL01 | 628 | **Hierarchical ID Number**<br>**External Information:** *This will be a unique ID number which sequentially increase with each subsequent HL loop.* | M | AN | 1/12 | Must use |
| HL02 | 734 | **Hierarchical Parent ID Number**<br>**External Information:**<br>*This field will be the HL01 element for the HL loop that this loop belongs to.*<br><br>*Orders => Shipments*<br>*Packages => Orders*<br>*Items => Packages or Orders*<br><br>*HL*__1__**S*<br>*...*<br>*HL*2*__1__*O*<br>*...*<br>*HL*3*__2__*P*<br>*...*<br>*HL*4*__3__*I*<br>*...*<br>*HL*5*__2__*P*<br>*...* | M | AN | 1/12 | Must use |
| HL03 | 735 | **Hierarchical Level Code**<br>**Code** **Name**<br>P Pack | M | ID | 1/2 | Must use |
| HL04 | 736 | **Hierarchical Child Code**<br>**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.

## Example:

*HL*3*2*P*

# TD1 Carrier Details (Quantity and Weight)

**Pos: 14400** **Max: 20**
**Detail - Conditional**
**Loop: HL** **Elements: 8**

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| TD101 | 103 | **Packaging Code** | M | AN | 3/5 | Must use |
| | | **Code Name**<br>CTN Carton<br>PLT Pallet | | | | |
| TD102 | 80 | **Lading Quantity** | M | 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** | M | ID | 1/2 | Used |
| | | **Code Name**<br>G Gross Weight | | | | |
| TD107 | 81 | **Weight** | M | R | 1/10 | Used |
| TD108 | 355 | **Unit or Basis for Measurement Code** | M | ID | 2/2 | Used |
| | | **Code Name**<br>KG Kilogram<br>LB Pound | | | | |

## Syntax Rules:

1. C0607 - If TD106 is present, then TD107 is required.

## Example:

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

# REF Tracking ID/Airbill Number

| Pos: 15000 | Max: >1 |
|---|---|
| Detail - Conditional | |
| Loop: HL | Elements: 2 |

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| REF01 | 128 | **Reference Identification Qualifier** | M | ID | 2/3 | Must use |
| | | **Code Name**<br>CN Carrier's Tracking/Airbill Number<br>**User Note 1:**<br>*A value of CN is used to qualify the following values:*<br>*=> carrier tracking number for small parcel carriers*<br>*=> 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.*<br>*For air freight, this field may contain the air bill (assigned by the carrier) per package/pallet.* | | | | |

## Example:

*REF*CN*1ZE1628E0340236740*

# MAN Marks and Numbers

| Pos: 16700 | Max: >1 |
|---|---|
| Detail - Conditional | |
| Loop: HL | Elements: 2 |

## Element Summary:

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

## 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: 19400** **Repeat: 200000**
**Mandatory**
**Loop: HL** **Elements: N/A**

## Loop Summary:

| Pos | Id | Segment Name | Req | Max Use | Repeat |
|---|---|---|---|---|---|
| 19500 | HL | Hierarchical Level - Item | M | 1 | |
| 19600 | LIN | Item Identification | M | 1 | |
| 19700 | SN1 | Item Detail (Shipment) | M | 1 | |

# HL Hierarchical Level - Item

| Pos: 19500 | Max: 1 |
|---|---|
| Detail - Mandatory | |
| Loop: HL | Elements: 4 |

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| HL01 | 628 | **Hierarchical ID Number**<br>**External Information:** *This will be a unique ID number which sequentially increase with each subsequent HL loop.* | M | AN | 1/12 | Must use |
| HL02 | 734 | **Hierarchical Parent ID Number**<br>**External Information:**<br>*This field will be the HL01 element for the HL loop that this loop belongs to.*<br><br>*Orders => Shipments*<br>*Packages => Orders*<br>*Items => Packages or Orders*<br><br>*HL*__1__**S*<br>*...*<br>*HL*2*__1__*O*<br>*...*<br>*HL*3*__2__*P*<br>*...*<br>*HL*4*__3__*I* | M | AN | 1/12 | Must use |
| HL03 | 735 | **Hierarchical Level Code**<br>**Code** **Name**<br>I Item | M | ID | 1/2 | Must use |
| HL04 | 736 | **Hierarchical Child Code**<br>**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.

## Example:

*HL*4*3*I*

# LIN Item Identification

| Pos: 19600 | Max: 1 |
|---|---|
| Detail - Mandatory | |
| Loop: HL | Elements: 3 |

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| LIN01 | 350 | **Assigned Identification** | M | AN | 1/20 | Used |
| | | **External Information:** *This will be a unique line number representing this item.* | | | | |
| LIN02 | 235 | **Product/Service ID Qualifier** | M | ID | 2/2 | Must use |
| | | **Code Name**<br>BP Buyer's Part Number<br>EN European Article Number (EAN) (2-5-5-1)<br>IB International Standard Book Number (ISBN)<br>UA U.P.C./EAN Case Code (2-5-5)<br>UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)<br>UP U.P.C. Consumer Package Code (1-5-5-1)<br>VN Vendor's (Seller's) Item Number | | | | |
| LIN03 | 234 | **Product/Service ID** | M | AN | 1/48 | Must use |
| | | **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.* | | | | |

## Semantics:

1. LIN01 is the line item identification

## Example:

*LIN*1*IB*0718002431*

# SN1 Item Detail (Shipment)

| Pos: 19700 | Max: 1 |
|---|---|
| Detail - Mandatory | |
| Loop: HL | Elements: 3 |

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| SN101 | 350 | **Assigned Identification** | O | AN | 1/20 | Used |
| | | **External Information:** *This element should contain the same number as the corresponding LIN01.* | | | | |
| SN102 | 382 | **Number of Units Shipped** | M | R | 1/10 | Must use |
| | | **External Information:** *This field will be the number of units shipped for this item related to this order.* | | | | |
| SN103 | 355 | **Unit or Basis for Measurement Code** | M | ID | 2/2 | Must use |

| Code | Name |
|---|---|
| CA | Case |
| EA | Each |
| UN | Unit |

## Semantics:

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

## Comments:

1. SN103 defines the unit of measurement for SN102.

## Example:

*SN1**1*EA*

# CTT Transaction Totals

**Pos: 0100** **Max: 1**
**Summary - Mandatory**
**Loop: N/A** **Elements: 2**

## Element Summary:

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

## 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: 0200 | Max: 1 |
|---|---|
| Summary - Mandatory | |
| Loop: N/A | Elements: 2 |

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| SE01 | 96 | **Number of Included Segments** | M | N0 | 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.

## Example:

*SE*14*000007317*

# GE Functional Group Trailer

| Pos: 0100 | Max: 1 |
|---|---|
| Not Defined - Mandatory | |
| Loop: N/A | Elements: 2 |

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
|---|---|---|---|---|---|---|
| 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.

## Example:

*GE*1*5517*

# IEA Interchange Control Trailer

| Pos: 0200 | Max: 1 |
|---|---|
| Not Defined - Mandatory | |
| Loop: N/A | Elements: 2 |

## Element Summary:

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

## Example:

*IEA*1*000013229*