**ASN**

**856**

# HDMA Electronic Data Interchange (EDI) Guidelines for the 856 Advance Ship Notice to Support Implementation of DSCSA

**HDMA**
Healthcare Distribution
Management Association

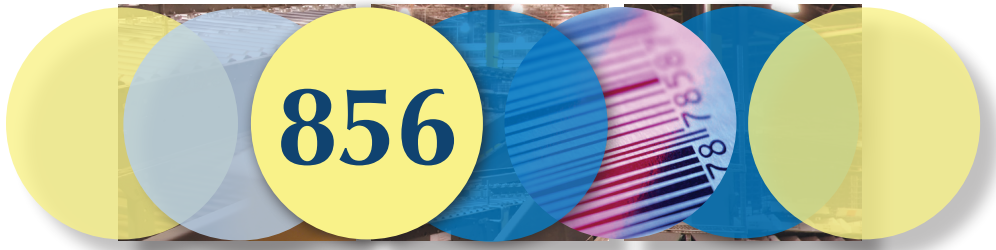Distributed by **Cardinal Health, Inc.** with permission from HDMA

# HDMA Electronic Data Interchange (EDI) Guidelines for the 856 Advance Ship Notice to Support Implementation of DSCSA*

**April 2014**

*DSCSA refers to the Drug Supply Chain and Security Act of 2013 (Title II of the Drug Quality and Security Act). HDMA has issued these guidelines based on interpretation of compliance requirements for DCSCA as of April 2014, and may issue revised guidelines following the US Food and Drug Administration's regulatory guidance expected in November, 2014.

**856**

# HDMA Electronic Data Interchange (EDI) Guidelines for the 856 Advance Ship Notice to Support Implementation of DSCSA*

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# 856 Ship Notice/Manifest

## INTRODUCTION

This implementation guideline for the 856 Ship Notice/Manifest — commonly referred to as the Advance Ship Notice or ASN — electronic data interchange (EDI) transaction set was developed by the Healthcare Distribution Management Association (HDMA). HDMA members provide business and technology expertise to develop voluntary healthcare industry implementation guidelines for use of EDI and other technology standards. HDMA distributor and manufacturer members advised on this guideline.

This version is intended to support compliance with the Drug Supply Chain Security Act (DSCSA) of 2013, Title II of the Drug Quality and Security Act. (Public Law 113-54). It provides a streamlined format for the exchange of Transaction Information (TI), Transaction History (TH) and a possible Transaction Statement (TS). The content and other requirements for the transaction statement will not be known until additional guidance from the U.S. Food and Drug Administration (FDA) is released, which is expected in November 2014.

Previously published HDMA implementation guidelines for the 856 Ship Notice/Manifest provided manufacturers with a systematic way to advise their distributor with advance information on shipments to better plan and automate the receipt of goods process.

This publication outlines the voluntary industry conventions and implementation guidelines for the ASC X12 approved 856 "Advance Ship Notice" (ASN) EDI standard used by manufacturers, repackagers, distributors, exclusive distributors and any other parties to send required information to their trading partners to document the movement of prescription drugs through the healthcare supply chain. This ASN can facilitate downstream product and shipping data collection, which may then be used to create a possible Transaction Statement upon which trading partners agree.

**Defined Scope of Use**
Please note these guidelines are based on evolving requirements and, as such, may change as the FDA issues guidance and regulation implementing the DSCSA. It is the responsibility of the users of the ASN to ensure the information contained in the ASN message is accurate and complete based on current regulatory and business requirements. This ASN is a framework message and allows trading partners the flexibility to determine which specific codes, identifiers, content, etc., are most appropriate for their business needs.

Changes made to the guideline to facilitate DSCSA compliance include:

**Shipment Level:**
- In the N1 loop, N3 and N4 are included in the guideline because it is mandatory to indicate the address of buyer and seller for DSCSA compliance; and,
- The YNQ segment is used to indicate DSCSA compliance.

**Item Level:**
- An N1 loop, including N3 and N4, is added for Transaction History required information, such as Original Manufacturer or Exclusive Distributor.

Note: Although lot number is not required in all DSCSA scenarios, it can be included in the LIN segment as trading partners may find it a helpful way to exchange information.

Two Business Examples are provided at the end of this guideline:

**Example 1: Direct Purchase Scenario** — Ship Notice for product sent by a manufacturer to a distributor where both parties are authorized as required under the DSCSA.

This initial transaction initiates the Transaction History that will be used on all subsequent transactions where the product's ownership changes. In the example, the Transaction Statement housed in the YNQ segment is a simplified statement of compliance that trading partners might agree to use.

**Example 2: Indirect Purchase Scenario** — Ship Notice for product sent by a distributor to a subsequent distributor that will ultimately sell to a dispenser, where both distributors are authorized as required under the DSCSA.

The product was purchased directly from the original manufacturer, so omission of the lot number is allowed through the DSCSA. Although lot number is not required in this example, trading partners may find it a helpful way to exchange information. In the example, the Transaction Statement housed in the YNQ segment is a simplified statement of compliance that trading partners might agree to use. An N1 loop for Original Manufacturer is included at the Item Level.

HDMA may publish further examples at a later date.

# 856

## Ship Notice/Manifest

| POS | ID | NAME | REQ | USE/REPEAT | USAGE |
|-----|-----|------|-----|-----------|-------|
| 010 | ST | Transaction Set Header | M | 1 | |
| 020 | BSN | Beginning Segment for Ship Notice | M | 1 | |
| **010** | **HL** | **Shipment Level** | **M** | **200000** | |
| 010 | HL | Hierarchical Level | M | 1 | |
| 110 | TD1 | Carrier Details (Quantity and Weight) | O | 20 | |
| 120 | TD5 | Carrier Details (Routing Sequence/Transit Time) | O | 12 | |
| 130 | TD3 | Carrier Details (Equipment) | O | 12 | |
| 150 | REF | Reference Identification | O | >1 | |
| 200 | DTM | Shipped Date | O | 10 | |
| 200 | DTM | Delivery Date | O | 10 | |
| **220** | **N1** | **N1-N3-N4-REF** | **O** | **200** | |
| 220 | N1 | Name | M | 1 | |
| 240 | N3 | Address Information | O | 2 | |
| 250 | N4 | Geographic Location | O | 1 | |
| 260 | REF | Reference Identification | O | 12 | |
| **220** | **N1** | **N1-N3-N4-REF-PER** | **O** | **200** | |
| 220 | N1 | Name | M | 1 | |
| 240 | N3 | Address Information | O | 2 | |
| 250 | N4 | Geographic Location | O | 1 | |
| 260 | REF | Reference Identification | O | 12 | |
| 270 | PER | Administrative Communications Contact | O | 3 | |
| 335 | YNQ | Yes/No Question | O | 10 | |
| **010** | **HL** | **Order Level** | **M** | **200000** | |
| 010 | HL | Hierarchical Level | M | 1 | |
| 050 | PRF | Purchase Order Reference | O | 1 | |
| 150 | REF | Reference Identification | O | >1 | |
| **010** | **HL** | **Tare Level** | **M** | **200000** | |
| 010 | HL | Hierarchical Level | M | 1 | |
| 150 | REF | Reference Identification | O | >1 | |
| 190 | MAN | Marks and Numbers | O | >1 | |
| **010** | **HL** | **Pack Level** | **M** | **200000** | |
| 010 | HL | Hierarchical Level | M | 1 | |
| 020 | LIN | Item Identification | O | 1 | |
| 060 | PO4 | Item Physical Details | O | 1 | |
| 150 | REF | Reference Identification | O | >1 | |
| 190 | MAN | Marks and Numbers | O | >1 | |
| 190 | MAN | Marks and Numbers | O | >1 | |

| | |
|---|---|
| POS | Position Number |
| ID | Segment ID, Segment/Group Tag |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| USE/REPEAT | Segment/Group Maximum Usage |

# 856

## Ship Notice/Manifest

| POS | ID | NAME | REQ | USE/REPEAT | USAGE |
|-----|-----|------|-----|-----------|-------|
| 200 | DTM | Date/Time Reference | O | 10 | |
| **010** | **HL** | **Inner Pack Level** | **M** | **200000** | |
| 010 | HL | Hierarchical Level | M | 1 | |
| 020 | LIN | Item Identification | O | 1 | |
| 060 | PO4 | Item Physical Details | O | 1 | |
| 150 | REF | Reference Identification | O | >1 | |
| 190 | MAN | Marks and Numbers | O | >1 | |
| 190 | MAN | Marks and Numbers | O | >1 | |
| 200 | DTM | Date/Time Reference | O | 10 | |
| **010** | **HL** | **Item Level** | **M** | **200000** | |
| 010 | HL | Hierarchical Level | M | 1 | |
| 020 | LIN | Item Identification | O | 1 | |
| 030 | SN1 | Item Detail (Shipment) | O | 1 | |
| 070 | PID | Product/Item Description | O | 200 | |
| 150 | REF | Reference Identification | O | >1 | |
| 150 | REF | Reference Identification | O | >1 | |
| 200 | DTM | Lot Expiration Date | O | 10 | |
| **220** | **N1** | **N1-N3-N4-REF** | **O** | **200** | |
| 220 | N1 | Name | M | 1 | |
| 240 | N3 | Address Information | O | 2 | |
| 250 | N4 | Geographic Location | O | 1 | |
| 260 | REF | Reference Identification | O | 12 | |
| 010 | CTT | Transaction Totals | O | 1 | |
| 020 | SE | Transaction Set Trailer | M | 1 | |

| | |
|---|---|
| POS | Position Number |
| ID | Segment ID, Segment/Group Tag |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| USE/REPEAT | Segment/Group Maximum Usage |

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## Ship Notice/Manifest



| | |
|---|---|
| to | 2 |

**Level 0**

| ST | BSN |
|---|---|
| M 1 | M 1 |

**Level 1**

| HL | HL |
|---|---|
| M 2000 | M 2000 |
| HL | HL |
| M 1 | M 1 |

| | |
|---|---|
| to | 1 |

**Level 2**

| | | | | | | N1 | N1 | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | O 200 | O 200 | | |
| TD1 | TD5 | TD3 | REF | DTM | DTM | N1 | N1 | YNQ | PRF |
| O 20 | O 12 | O 12 | O >1 | O 10 | O 10 | M 1 | M 1 | O 10 | O 1 |

**Level 3**

| N3 | N4 | REF | N3 | N4 | REF | PER |
|---|---|---|---|---|---|---|
| O 2 | O 1 | O 12 | O 2 | O 1 | O 12 | O 3 |

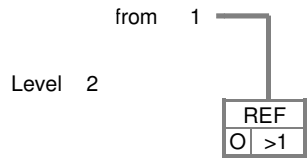| SEG. ID | | SEG. ID | Segment ID, Segment/Group Tag |
|---|---|---|---|
| RE | USE | REQ | Requirement (M=Mand., C=Conditional, R=Requ., O=Opt., A=Advised, D=Dependent) |
| | | USE | Segment/Group Maximum Usage |

## 856

## Ship Notice/Manifest

from    1

Level    2

| REF |
|-----|
| O | >1 |

SEG. ID          SEG. ID      Segment ID, Segment/Group Tag
RE     USE        REQ          Requirement (M=Mand., C=Conditional, R=Requ., O=Opt., A=Advised, D=Dependent)
                  USE          Segment/Group Maximum Usage

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## Ship Notice/Manifest

from 2 ————————————————————————————————————————————————— to 4

Level 0

Level 1

| HL | HL | HL | HL |
|---|---|---|---|
| M 2000 | M 2000 | M 2000 | M 2000 |
| HL | HL | HL | HL |
| M 1 | M 1 | M 1 | M 1 |

to 3

Level 2

| REF | MAN | LIN | PO4 | REF | MAN | MAN | DTM | LIN | PO4 | REF | MAN | MAN | DTM | LIN | SN1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| O >1 | O >1 | O 1 | O 1 | O >1 | O >1 | O >1 | O 10 | O 1 | O 1 | O >1 | O >1 | O >1 | O 10 | O 1 | O 1 |

| SEG. ID | SEG. ID | Segment ID, Segment/Group Tag |
|---|---|---|
| RE USE | REQ | Requirement (M=Mand., C=Conditional, R=Requ., O=Opt., A=Advised, D=Dependent) |
| | USE | Segment/Group Maximum Usage |

# 856

## Ship Notice/Manifest

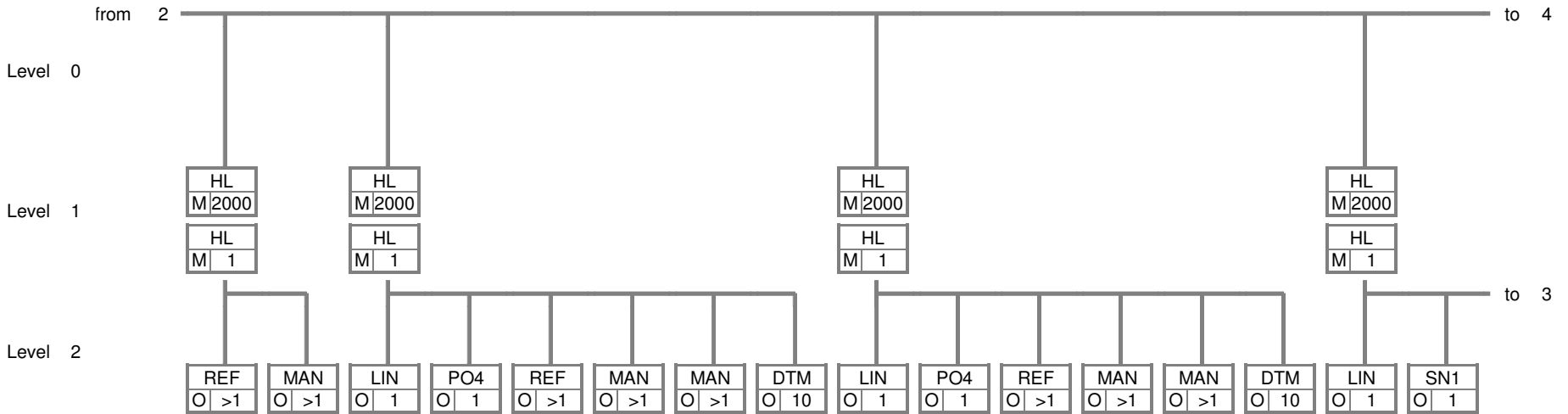| SEG. ID | | SEG. ID | Segment ID, Segment/Group Tag |
|---|---|---|---|
| RE | USE | REQ | Requirement (M=Mand., C=Conditional, R=Requ., O=Opt., A=Advised, D=Dependent) |
| | | USE | Segment/Group Maximum Usage |

# 856

## Ship Notice/Manifest

from    4

Level    0

| CTT | SE |
|-----|-----|
| O  1 | M  1 |

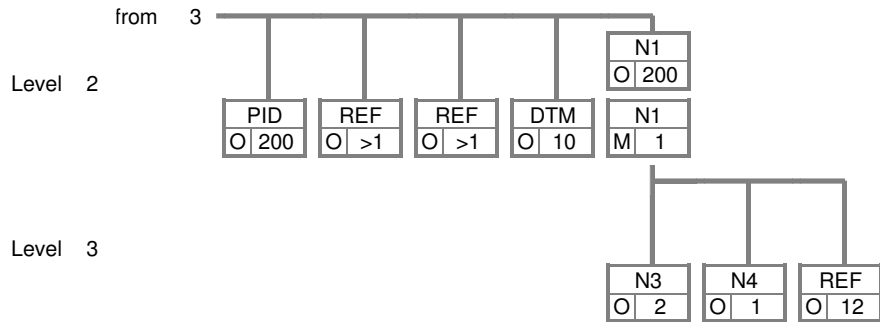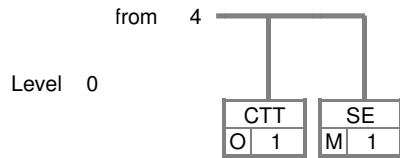| SEG. ID | SEG. ID | Segment ID, Segment/Group Tag |
|---------|---------|-------------------------------|
| RE    USE | REQ | Requirement (M=Mand., C=Conditional, R=Requ., O=Opt., A=Advised, D=Dependent) |
|  | USE | Segment/Group Maximum Usage |

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# 856 Ship Notice/Manifest

| | |
|---|---|
| **Segment:** | **ST** **Transaction Set Header** |
| **Requirement:** | M |
| **Max Use:** | 1 |
| **Purpose:** | To indicate the start of a transaction set and to assign a control number |

Semantic Notes:
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*0121~**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | ST 01 | **143** | **Transaction Set Identifier Code** <br> Code uniquely identifying a Transaction Set | M | ID 3/3 | 1 |
| | | | **856** **Ship Notice/Manifest** | | | |
| Must Use | ST 02 | **329** | **Transaction Set Control Number** <br> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <br> This is a sequential control number. | M | AN 4/9 | 1 |

| REF | Segment Tag and Position Number |
|---|---|
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

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# 856      Ship Notice/Manifest

| | |
|---|---|
| **Segment:** | **BSN    Beginning Segment for Ship Notice** |
| **Requirement:** | M |
| **Max Use:** | 1 |
| **Purpose:** | To transmit identifying numbers, dates, and other basic data relating to the transaction set |

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

Syntax Notes:
1. C0706 Conditional

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

**Example:**     **BSN*00*C2878510004*20091218*1117*0001*AS~**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | BSN 01 | **353** | **Transaction Set Purpose Code** <br> Code identifying purpose of transaction set <br><br> **00**     **Original** <br> **05**     **Replace** | M | ID 2/2 | 1 |
| Must Use | BSN 02 | **396** | **Shipment Identification** <br> A unique control number assigned by the original shipper to identify a specific shipment <br><br> Vendor Bill of Lading number or other shipment identifier | M | AN 2/30 | 1 |
| Must Use | BSN 03 | **373** | **Date** <br> Date expressed as CCYYMMDD <br><br> Document create date | M | DT 8/8 | 1 |
| Must Use | BSN 04 | **337** | **Time** <br> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | M | TM 4/8 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856   Ship Notice/Manifest

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | BSN 05 | **1005** | **Hierarchical Structure Code** <br> Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set <br><br> **0001**    **Shipment, Order, Packaging, Item** <br> **0004**    **Shipment, Order, Item** | O | ID 4/4 | 1 |
| Used | BSN 06 | **640** | **Transaction Type Code** <br> Code specifying the type of transaction <br><br> **AS**    **Shipment Advice** <br> Notification by an inventory management organization providing current shipping advice relating to the outstanding requisition or order <br> **DO**    **Drop Shipment Invoice** <br> Used to indicate a drop ship notice, not a drop ship invoice | C | ID 2/2 | 1 |

REF        Segment Tag and Position Number
ID          Element ID
REQ       Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR     Elements Representation

# 856

## Ship Notice/Manifest

---

| | |
|---|---|
| **Loop:** | **Shipment Level** |
| **Repeat:** | **200000** |

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| | |
|---|---|
| **Segment:** | **HL**     **Hierarchical Level** |
| **Requirement:** | M |
| **Max Use:** | 1 |
| **Purpose:** | To identify dependencies among and the content of hierarchically related groups of data segments |

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

| | |
|---|---|
| **Example:** | **HL*1**S*1~** |

---

**ELEMENT SUMMARY**

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | HL 01 | **628** | **Hierarchical ID Number**<br>A unique number assigned by the sender to identify a particular data segment in a hierarchical structure | M | AN 1/12 | 1 |

| | | |
|---|---|---|
| REF | Segment Tag and Position Number | |
| ID | Element ID | |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) | |
| REPR | Elements Representation | |

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### ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | HL 02 | **734** | **Hierarchical Parent ID Number**<br>Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to | O | AN 1/12 | 1 |
| Must Use | HL 03 | **735** | **Hierarchical Level Code**<br>Code defining the characteristic of a level in a hierarchical structure<br>**S**    **Shipment** | M | ID 1/2 | 1 |
| Must Use | HL 04 | **736** | **Hierarchical Child Code**<br>Code indicating if there are hierarchical child data segments subordinate to the level being described<br>**1**    **Additional Subordinate HL Data Segment in This Hierarchical Structure.** | O | ID 1/1 | 1 |

REF      Segment Tag and Position Number
ID      Element ID
REQ      Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR      Elements Representation

# 856

## Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Shipment Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **TD1  Carrier Details (Quantity and Weight)** |
| **Requirement:** | O |
| **Max Use:** | 20 |
| **Purpose:** | To specify the transportation details relative to commodity, weight, and quantity |

Syntax Notes:
1. C0102 Conditional
2. C0304 Conditional
3. C0607 Conditional
4. P0708 Paired Multiple
5. P0910 Paired Multiple

**Example:**    **TD1*PLT*2****G*1923*LB~**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | TD101 | **103** | **Packaging Code**<br>Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required<br><br>**CAS** **Case**<br>**CTN** **Carton**<br>**PLT** **Pallet** | O | AN 3/5 | 1 |
| Used | TD102 | **80** | **Lading Quantity**<br>Number of units (pieces) of the lading commodity | C | N0 1/7 | 1 |
| Not Rec. | TD103 | **23** | **Commodity Code Qualifier**<br>Code identifying the commodity coding system used for Commodity Code | O | ID 1/1 | 1 |
| Not Rec. | TD104 | **22** | **Commodity Code**<br>Code describing a commodity or group of commodities | C | AN 1/30 | 1 |
| Not Rec. | TD105 | **79** | **Lading Description**<br>Description of an item as required for rating and billing purposes | O | AN 1/50 | 1 |
| Used | TD106 | **187** | **Weight Qualifier**<br>Code defining the type of weight<br><br>**G**    **Gross Weight** | O | ID 1/2 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856        Ship Notice/Manifest

**ELEMENT SUMMARY**

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|-------|-----|----|--------------| ----|------|-----|
| Used | TD1 07 | **81** | **Weight**<br>Numeric value of weight | C | R 1/10 | 1 |
| Used | TD1 08 | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>**LB**     **Pound** | C | ID 2/2 | 1 |

REF         Segment Tag and Position Number
ID          Element ID
REQ        Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR      Elements Representation

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## Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Shipment Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **TD5    Carrier Details (Routing Sequence/Transit Time)** |
| **Requirement:** | O |
| **Max Use:** | 12 |
| **Purpose:** | To specify the carrier and sequence of routing and provide transit time information |

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

Syntax Notes:
1. R0204050612 Required
2. C0203 Conditional
3. C0708 Conditional
4. C1011 Conditional
5. C1312 Conditional
6. C1413 Conditional
7. C1512 Conditional

Semantic Notes:
1. TD515 is the country where the service is to be performed.

| | |
|---|---|
| **Example:** | **TD5\*O\*2\*CWCE\*M\*\*CC~** |

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | TD501 | **133** | **Routing Sequence Code**<br>Code describing the relationship of a carrier to a specific shipment movement<br><br>**O        Origin Carrier (Air, Motor, or Ocean)** | O | ID 1/2 | 1 |
| Used | TD502 | **66** | **Identification Code Qualifier**<br>Code designating the system/method of code structure used for Identification Code (67)<br><br>**2        Standard Carrier Alpha Code (SCAC)** | C | ID 1/2 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856      Ship Notice/Manifest

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | TD5 03 | **67** | **Identification Code**<br>Code identifying a party or other code | C | AN 2/80 | 1 |
| Used | TD5 04 | **91** | **Transportation Method/Type Code**<br>Code specifying the method or type of transportation for the shipment | C | ID 1/2 | 1 |

|  |  |  | **A** | **Air** |  |  |  |
|---|---|---|---|---|---|---|---|
|  |  |  | **AE** | **Air Express** |  |  |  |
|  |  |  | **H** | **Customer Pickup** |  |  |  |
|  |  |  | **M** | **Motor (Common Carrier)** |  |  |  |
|  |  |  | **R** | **Rail** |  |  |  |
|  |  |  | **S** | **Ocean** |  |  |  |
|  |  |  | **SR** | **Supplier Truck** |  |  |  |
|  |  |  | **X** | **Intermodal (Piggyback)** |  |  |  |

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Not Rec. | TD5 05 | **387** | **Routing**<br>Free-form description of the routing or requested routing for shipment, or the originating carrier's identity | C | AN 1/35 | 1 |
| Used | TD5 06 | **368** | **Shipment/Order Status Code**<br>Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction | C | ID 2/2 | 1 |

|  |  |  | **CC** | **Shipment Complete on (Date)** |
|---|---|---|---|---|
|  |  |  | **PR** | **Partial Shipment** |

REF      Segment Tag and Position Number
ID      Element ID
REQ      Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR      Elements Representation

# 856

## Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Shipment Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **TD3    Carrier Details (Equipment)** |
| **Requirement:** | O |
| **Max Use:** | 12 |
| **Purpose:** | To specify transportation details relating to the equipment used by the carrier |

Syntax Notes:
1. E0110 Exclusion
2. C0203 Conditional
3. C0405 Conditional
4. P0506 Paired Multiple

**Example:**     **TD3*TL**123456~**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | TD301 | **40** | **Equipment Description Code**<br>Code identifying type of equipment used for shipment | C | ID 2/2 | 1 |
| | | | **CN**     **Container**<br>**RR**     **Rail Car**<br>**TL**     **Trailer (not otherwise specified)**<br>**VE**     **Vessel, Ocean** | | | |
| Used | TD302 | **206** | **Equipment Initial**<br>Prefix or alphabetic part of an equipment unit's identifying number | O | AN 1/4 | 1 |
| Used | TD303 | **207** | **Equipment Number**<br>Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) | C | AN 1/10 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856

## Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Shipment Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **REF    Reference Identification** |
| **Requirement:** | O |
| **Max Use:** | >1 |
| **Purpose:** | To specify identifying information |

Syntax Notes:
1. R0203 Required

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

**Example:**      **REF*CN*14783516~**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | REF 01 | **128** | **Reference Identification Qualifier** <br> Code qualifying the Reference Identification | M | ID 2/3 | 1 |
| | | | **2I**   **Tracking Number** <br> **BM**   **Bill of Lading Number** <br> **CN**   **Carrier's Reference Number (PRO/Invoice)** <br> **MB**   **Master Bill of Lading** <br> **SN**   **Seal Number** | | | |
| Must Use | REF 02 | **127** | **Reference Identification** <br> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | C | AN 1/30 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856      Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Shipment Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **DTM    Date/Time Reference** |
| **Requirement:** | O |
| **Max Use:** | 10 |
| **Purpose:** | To specify pertinent dates and times |

Syntax Notes:
1. R020305 Required
2. C0403 Conditional
3. P0506 Paired Multiple

**Example:**      **DTM*011*20140130~**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | DTM01 | **374** | **Date/Time Qualifier**<br>Code specifying type of date or time, or both date and time | M | ID 3/3 | 1 |
| | | | **011**     **Shipped** | | | |
| Must Use | DTM02 | **373** | **Date**<br>Date expressed as CCYYMMDD | C | DT 8/8 | 1 |

| REF | Segment Tag and Position Number |
|---|---|
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

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# 856

## Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Shipment Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **DTM   Date/Time Reference** |
| **Requirement:** | O |
| **Max Use:** | 10 |
| **Purpose:** | To specify pertinent dates and times |

Syntax Notes:
1. R020305 Required
2. C0403 Conditional
3. P0506 Paired Multiple

**Example:**     **DTM*067*20140130**~

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | DTM01 | **374** | **Date/Time Qualifier** <br> Code specifying type of date or time, or both date and time | M | ID 3/3 | 1 |
| | | | **017**   **Estimated Delivery** <br> **067**   **Current Schedule Delivery** | | | |
| Must Use | DTM02 | **373** | **Date** <br> Date expressed as CCYYMMDD | C | DT 8/8 | 1 |

| REF | Segment Tag and Position Number |
|---|---|
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

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|---|---|---|---|---|---|
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# 856

## Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Shipment Level** |
| **Repeat:** | **200000** |
| **Loop:** | **N1-N3-N4-REF** |
| **Repeat:** | **200** |

| | |
|---|---|
| **Segment:** | **N1      Name** |
| **Requirement:** | M |
| **Max Use:** | 1 |
| **Purpose:** | To identify a party by type of organization, name, and code |

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.

Syntax Notes:
1. R0203 Required
2. P0304 Paired Multiple

**Example:**      **N1*ST*MOUNTAIN WHOLESALE*21*HIN678900~**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | N1 01 | **98** | **Entity Identifier Code**<br>Code identifying an organizational entity, a physical location, property or an individual<br>**BS**　　**Bill and Ship To**<br>**BT**　　**Bill-to-Party**<br>**ST**　　**Ship To** | M | ID 2/3 | 1 |
| Must Use | N1 02 | **93** | **Name**<br>Free-form name | C | AN 1/60 | 1 |
| Must Use | N1 03 | **66** | **Identification Code Qualifier**<br>Code designating the system/method of code structure used for Identification Code (67) | C | ID 1/2 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856      Ship Notice/Manifest

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| | | **1** | **D-U-N-S Number, Dun & Bradstreet** | | | |
| | | **9** | **D-U-N-S+4, D-U-N-S Number with Four Character Suffix** | | | |
| | | **11** | **Drug Enforcement Administration (DEA)** | | | |
| | | **21** | **Health Industry Number (HIN)** | | | |
| | | **91** | **Assigned by Seller or Seller's Agent** | | | |
| | | **92** | **Assigned by Buyer or Buyer's Agent** | | | |
| | | **UL** | **UCC/EAN Location Code** | | | |
| | | | Used for GS1-US Global Location Number (GLN). Standard 13-digit GLNs are used in business to business transactions.   The UL qualifier does not support the serialized GLN unless the serial number is truncated from the serialized GLN to result in the standard 13-digit GLN. | | | |
| Must Use | N1 04 | **67** | **Identification Code**<br>Code identifying a party or other code | C | AN 2/80 | 1 |

REF         Segment Tag and Position Number
ID          Element ID
REQ       Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR      Elements Representation

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# 856 Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Shipment Level** |
| **Repeat:** | **200000** |
| **Loop:** | **N1-N3-N4-REF** |
| **Repeat:** | **200** |

| | |
|---|---|
| **Segment:** | **N3    Address Information** |
| **Requirement:** | O |
| **Max Use:** | 2 |
| **Purpose:** | To specify the location of the named party |
| **Example:** | **N3\*219 MAIN ST\*BACK DOOR~** |

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | N301 | **166** | **Address Information**<br>Address information | M | AN 1/55 | 1 |
| Used | N302 | **166** | **Address Information**<br>Address information | O | AN 1/55 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856     Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Shipment Level** |
| **Repeat:** | **200000** |
| **Loop:** | **N1-N3-N4-REF** |
| **Repeat:** | **200** |

| | |
|---|---|
| **Segment:** | **N4**    **Geographic Location** |
| **Requirement:** | O |
| **Max Use:** | 1 |
| **Purpose:** | To specify the geographic place of the named party |

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.

Syntax Notes:
1. C0605 Conditional

**Example:**    **N4*CHICAGO*IL*60614~**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | N4 01 | **19** | **City Name**<br>Free-form text for city name | O | AN 2/30 | 1 |
| Must Use | N4 02 | **156** | **State or Province Code**<br>Code (Standard State/Province) as defined by appropriate government agency | O | ID 2/2 | 1 |
| Must Use | N4 03 | **116** | **Postal Code**<br>Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | O | ID 3/15 | 1 |
| Used | N4 04 | **26** | **Country Code**<br>Code identifying the country | O | ID 2/3 | 1 |
| Used | N4 05 | **309** | **Location Qualifier**<br>Code identifying type of location | C | ID 1/2 | 1 |
| Used | N4 06 | **310** | **Location Identifier**<br>Code which identifies a specific location | O | AN 1/30 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

**CHDMA**

# 856        Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Shipment Level** |
| **Repeat:** | **200000** |
| **Loop:** | **N1-N3-N4-REF** |
| **Repeat:** | **200** |

| | |
|---|---|
| **Segment:** | **REF    Reference Identification** |
| **Requirement:** | O |
| **Max Use:** | 12 |
| **Purpose:** | To specify identifying information |

Syntax Notes:
1. R0203 Required

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

**Notes:**        Use when shipping out of state.

**Example:**        **REF*FW*IL2468001*IL~**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | REF 01 | **128** | **Reference Identification Qualifier**<br>Code qualifying the Reference Identification | M | ID 2/3 | 1 |
| | | **D3** | **National Association of Boards of Pharmacy Number**<br>Supplier's NABP provided VAWD (Verified Accredited Wholesale Distributors™) Number | | | |
| | | **FW** | **State License Identification Number**<br>A unique number assigned to each provider of service; this number is assigned by state governments and is the provider's legal identification number in the state that is assigned | | | |
| Must Use | REF 02 | **127** | **Reference Identification**<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier<br>The license number of the ship to entity | C | AN 1/30 | 1 |
| Used | REF 03 | **352** | **Description**<br>A free-form description to clarify the related data elements and their content<br>The standard 2-character abbreviation for the state in which the License Number is applicable | C | AN 1/80 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856

## Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Shipment Level** |
| **Repeat:** | **200000** |
| **Loop:** | **N1-N3-N4-REF-PER** |
| **Repeat:** | **200** |

| | |
|---|---|
| **Segment:** | **N1     Name** |
| **Requirement:** | M |
| **Max Use:** | 1 |
| **Purpose:** | To identify a party by type of organization, name, and code |

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.

Syntax Notes:
1. R0203 Required
2. P0304 Paired Multiple

**Notes:**     When shipping from a manufacturer to a distributor, an N1 loop containing the manufacturer principal name and address is required at the shipment level.

**Example:**     **N1*SF*BRICK PHARMACEUTICAL*21*HIN679900~**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | N1 01 | **98** | **Entity Identifier Code**<br>Code identifying an organizational entity, a physical location, property or an individual<br>**SF     Ship From** | M | ID 2/3 | 1 |
| Must Use | N1 02 | **93** | **Name**<br>Free-form name<br><br>The name of the business from whom ownership is being transferred | C | AN 1/60 | 1 |
| Must Use | N1 03 | **66** | **Identification Code Qualifier**<br>Code designating the system/method of code structure used for Identification Code (67) | C | ID 1/2 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856      Ship Notice/Manifest

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|-------|-----|----|--------------|-----|------|-----|
| | | **1** | **D-U-N-S Number, Dun & Bradstreet** | | | |
| | | **9** | **D-U-N-S+4, D-U-N-S Number with Four Character Suffix** | | | |
| | | **11** | **Drug Enforcement Administration (DEA)** | | | |
| | | **21** | **Health Industry Number (HIN)** | | | |
| | | **91** | **Assigned by Seller or Seller's Agent** | | | |
| | | **92** | **Assigned by Buyer or Buyer's Agent** | | | |
| | | **UL** | **UCC/EAN Location Code** | | | |
| | | | Used for GS1-US Global Location Number (GLN). Standard 13-digit GLNs are used in business to business transactions. The UL qualifier does not support the serialized GLN unless the serial number is truncated from the serialized GLN to result in the standard 13-digit GLN. | | | |
| Must Use | N1 04 | **67** | **Identification Code** | C | AN 2/80 | 1 |
| | | | Code identifying a party or other code | | | |

| REF | Segment Tag and Position Number |
|-----|--------------------------------|
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

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# 856

## Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Shipment Level** |
| **Repeat:** | **200000** |
| **Loop:** | **N1-N3-N4-REF-PER** |
| **Repeat:** | **200** |

| | |
|---|---|
| **Segment:** | **N3 Address Information** |
| **Requirement:** | O |
| **Max Use:** | 2 |
| **Purpose:** | To specify the location of the named party |
| **Notes:** | Must Use |
| **Example:** | **N3*7900 INDEPENDENCE PKWY*NORTH SIDE~** |

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | N301 | **166** | **Address Information**<br>Address information | M | AN 1/55 | 1 |
| Used | N302 | **166** | **Address Information**<br>Address information | O | AN 1/55 | 1 |

| REF | Segment Tag and Position Number |
|---|---|
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

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# 856

## Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Shipment Level** |
| **Repeat:** | **200000** |
| **Loop:** | **N1-N3-N4-REF-PER** |
| **Repeat:** | **200** |

| | |
|---|---|
| **Segment:** | **N4    Geographic Location** |
| **Requirement:** | O |
| **Max Use:** | 1 |
| **Purpose:** | To specify the geographic place of the named party |

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.

Syntax Notes:
1. C0605 Conditional

**Example:**     **N4\*ROCKVILLE\*MD\*20850\*AD\*10\*X~**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | N4 01 | **19** | **City Name**<br>Free-form text for city name | O | AN 2/30 | 1 |
| Must Use | N4 02 | **156** | **State or Province Code**<br>Code (Standard State/Province) as defined by appropriate government agency | O | ID 2/2 | 1 |
| Must Use | N4 03 | **116** | **Postal Code**<br>Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | O | ID 3/15 | 1 |
| Used | N4 04 | **26** | **Country Code**<br>Code identifying the country | O | ID 2/3 | 1 |
| Used | N4 05 | **309** | **Location Qualifier**<br>Code identifying type of location | C | ID 1/2 | 1 |
| Used | N4 06 | **310** | **Location Identifier**<br>Code which identifies a specific location | O | AN 1/30 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856

### Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Shipment Level** |
| **Repeat:** | **200000** |
| **Loop:** | **N1-N3-N4-REF-PER** |
| **Repeat:** | **200** |

| | |
|---|---|
| **Segment:** | **REF    Reference Identification** |
| **Requirement:** | O |
| **Max Use:** | 12 |
| **Purpose:** | To specify identifying information |

Syntax Notes:
1. R0203 Required

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

| **Notes:** | Use when shipping out of state. |
|---|---|
| **Example:** | **REF*FW*16001234*MD~** |

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | REF 01 | **128** | **Reference Identification Qualifier**<br>Code qualifying the Reference Identification | M | ID 2/3 | 1 |
| | | **D3** | **National Association of Boards of Pharmacy Number**<br>Supplier's NABP provided VAWD (Verified Accredited Wholesale Distributors™) Number. | | | |
| | | **FW** | **State License Identification Number**<br>A unique number assigned to each provider of service; this number is assigned by state governments and is the provider's legal identification number in the state that is assigned. | | | |
| Must Use | REF 02 | **127** | **Reference Identification**<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier<br>The license number of the ship from/selling entity. | C | AN 1/30 | 1 |
| Used | REF 03 | **352** | **Description**<br>A free-form description to clarify the related data elements and their content<br>The standard 2-character abbreviation for the state in which the License Number is applicable. | C | AN 1/80 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856

### Ship Notice/Manifest

---

**Loop:** **Shipment Level**
**Repeat:** **200000**

**Loop:** **N1-N3-N4-REF-PER**
**Repeat:** **200**

---

**Segment:** **PER   Administrative Communications Contact**
**Requirement:** O
**Max Use:** 3
**Purpose:** To identify a person or office to whom administrative communications should be directed

Syntax Notes:
1. P0304 Paired Multiple
2. P0506 Paired Multiple
3. P0708 Paired Multiple

**Notes:** Certifier is the person responsible for authenticating the pedigree for a company.

**Example:** PER*CE*JOE JONES*TE*18003217654*EM*JJONES@SUPPLIER.COM~

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | PER 01 | **366** | **Contact Function Code**<br>Code identifying the major duty or responsibility of the person or group named<br><br>**CE       Certifier** | M | ID 2/2 | 1 |
| Must Use | PER 02 | **93** | **Name**<br>Free-form name | O | AN 1/60 | 1 |
| Used | PER 03 | **365** | **Communication Number Qualifier**<br>Code identifying the type of communication number<br><br>**TE       Telephone** | C | ID 2/2 | 1 |
| Used | PER 04 | **364** | **Communication Number**<br>Complete communications number including country or area code when applicable<br><br>A valid telephone number must be provided. | C | AN 1/80 | 1 |
| Used | PER 05 | **365** | **Communication Number Qualifier**<br>Code identifying the type of communication number<br>**EM       Electronic Mail** | C | ID 2/2 | 1 |
| Used | PER 06 | **364** | **Communication Number**<br>Complete communications number including country or area code when Applicable<br><br>A valid email address must be provided. | C | AN 1/80 | 1 |

---

REF            Segment Tag and Position Number
ID             Element ID
REQ            Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR           Elements Representation

# 856 Ship Notice/Manifest

**Loop:** **Shipment Level**
**Repeat:** **200000**

**Segment:** **YNQ   Yes/No Question**
**Requirement:** O
**Max Use:** 10
**Purpose:** To identify and answer yes and no questions, including the date, time, and comments further qualifying the condition

Syntax Notes:
1. E010910 Exclusion
2. P0304 Paired Multiple
3. C0908 Conditional

Semantic Notes:
1. YNQ02 confirms or denies the statement made in YNQ01, YNQ09 or YNQ10. A "Y" indicates the statement is confirmed; an "N" indicates the statement is denied.
2. YNQ10 contains a free-form question when codified questions are not available.

**Notes:** The YNQ02 should have a value of 'Y' which indicates that DSCSA applies.

**Example:**   **YNQ*CX*Y***DSCSA COMPLIANT~**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|-------|-----|-----|--------------|-----|------|-----|
| Used | YNQ 01 | **1321** | **Condition Indicator** <br> Code indicating a condition | C | ID 2/2 | 1 |
| | | | **CX      Certification Status** | | | |
| Must Use | YNQ 02 | **1073** | **Yes/No Condition or Response Code** <br> Code indicating a Yes or No condition or response | M | ID 1/1 | 1 |
| | | | **Y      Yes** <br> "Y" indicates that the transaction is DSCSA compliant. | | | |
| Used | YNQ 05 | **933** | **Free-Form Message Text** <br> Free-form message text | O | AN 1/264 | 1 |
| Used | YNQ 06 | **933** | **Free-Form Message Text** <br> Free-form message text | O | AN 1/264 | 1 |
| Used | YNQ 07 | **933** | **Free-Form Message Text** <br> Free-form message text | O | AN 1/264 | 1 |
| Used | YNQ 10 | **933** | **Free-Form Message Text** <br> Free-form message text | C | AN 1/264 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856

## Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Order Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **HL   Hierarchical Level** |
| **Requirement:** | M |
| **Max Use:** | 1 |
| **Purpose:** | To identify dependencies among and the content of hierarchically related groups of data segments |

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

| | |
|---|---|
| **Example:** | **HL*2**O*1~** |

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | HL 01 | **628** | **Hierarchical ID Number**<br>A unique number assigned by the sender to identify a particular data segment in a hierarchical structure | M | AN 1/12 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856 Ship Notice/Manifest

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|-------|-----|-----|--------------|-----|------|-----|
| Used | HL 02 | **734** | **Hierarchical Parent ID Number**<br>Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to | O | AN 1/12 | 1 |
| Must Use | HL 03 | **735** | **Hierarchical Level Code**<br>Code defining the characteristic of a level in a hierarchical structure<br>**O    Order** | M | ID 1/2 | 1 |
| Must Use | HL 04 | **736** | **Hierarchical Child Code**<br>Code indicating if there are hierarchical child data segments subordinate to the level being described<br>**1    Additional Subordinate HL Data Segment in This Hierarchical Structure** | O | ID 1/1 | 1 |

REF          Segment Tag and Position Number
ID            Element ID
REQ         Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR        Elements Representation

# 856

## Ship Notice/Manifest

**Loop:** **Order Level**
**Repeat:** **200000**

**Segment:** **PRF    Purchase Order Reference**
**Requirement:** O
**Max Use:** 1
**Purpose:** To provide reference to a specific purchase order

Semantic Notes:
1. PRF04 is the date assigned by the purchaser to purchase order.

**Example:** **PRF*PO123456***20140130**~

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|-------|-----|-----|--------------|-----|------|-----|
| Must Use | PRF 01 | **324** | **Purchase Order Number**<br>Identifying number for Purchase Order assigned by the orderer/purchaser | M | AN 1/22 | 1 |
| Used | PRF 02 | **328** | **Release Number**<br>Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction | O | AN 1/30 | 1 |
| Used | PRF 03 | **327** | **Change Order Sequence Number**<br>Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set | O | AN 1/8 | 1 |
| Used | PRF 04 | **373** | **Date**<br>Date expressed as CCYYMMDD<br>      Original Purchase Order Date | O | DT 8/8 | 1 |

REF            Segment Tag and Position Number
ID             Element ID
REQ            Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR           Elements Representation

**CHDMA**

# 856　　Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Order Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **REF　　Reference Identification** |
| **Requirement:** | O |
| **Max Use:** | >1 |
| **Purpose:** | To specify identifying information |

Syntax Notes:
1. R0203 Required

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

**Example:**　　**REF*IV*IN123456~**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | REF 01 | **128** | **Reference Identification Qualifier**<br>Code qualifying the Reference Identification | M | ID 2/3 | 1 |
| | | | **IV**　　**Seller's Invoice Number**<br>**VN**　　**Vendor Order Number** | | | |
| Must Use | REF 02 | **127** | **Reference Identification**<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | C | AN 1/30 | 1 |

REF　　　　　Segment Tag and Position Number
ID　　　　　Element ID
REQ　　　　Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR　　　Elements Representation

# 856      Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Tare Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **HL     Hierarchical Level** |
| **Requirement:** | M |
| **Max Use:** | 1 |
| **Purpose:** | To identify dependencies among and the content of hierarchically related groups of data segments |

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

        **Example:**     **HL*3*2*T*1~**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | HL 01 | **628** | **Hierarchical ID Number**<br>A unique number assigned by the sender to identify a particular data segment in a hierarchical structure | M | AN 1/12 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856

## Ship Notice/Manifest

### ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | HL 02 | **734** | **Hierarchical Parent ID Number**<br>Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to | O | AN 1/12 | 1 |
| Must Use | HL 03 | **735** | **Hierarchical Level Code**<br>Code defining the characteristic of a level in a hierarchical structure | M | ID 1/2 | 1 |
| | | | **T**     **Shipping Tare** | | | |
| Must Use | HL 04 | **736** | **Hierarchical Child Code**<br>Code indicating if there are hierarchical child data segments subordinate to the level being described | O | ID 1/1 | 1 |
| | | | **1**     **Additional Subordinate HL Data Segment in This Hierarchical Structure.** | | | |

REF         Segment Tag and Position Number
ID           Element ID
REQ        Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR       Elements Representation

# 856     Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Tare Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **REF    Reference Identification** |
| **Requirement:** | O |
| **Max Use:** | >1 |
| **Purpose:** | To specify identifying information |

Syntax Notes:
1. R0203 Required

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

**Notes:**    Use this REF only for serialization, using GS1 EPC.

**Example:**    **REF*SE**urn:epc:id:sscc:0309440.00000.00045~**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | REF 01 | **128** | **Reference Identification Qualifier** <br> Code qualifying the Reference Identification | M | ID 2/3 | 1 |
| | | | **SE    Serial Number** | | | |
| Used | REF 03 | **352** | **Description** <br> A free-form description to clarify the related data elements and their content | C | AN 1/80 | 1 |
| | | | **Serial Number in GS1 EPC format.** | | | |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856     Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Tare Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **MAN   Marks and Numbers** |
| **Requirement:** | O |
| **Max Use:** | >1 |
| **Purpose:** | To indicate identifying marks and numbers for shipping containers |

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

Syntax Notes:
1. P0405 Paired Multiple
2. C0605 Conditional

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

| | |
|---|---|
| **Notes:** | MAN segment should only contain numbers used for logistical purposes [to track containers]. |
| **Example:** | **MAN\*GM\*03094400000000045**~ |

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | MAN 01 | **88** | **Marks and Numbers Qualifier**<br>Code specifying the application or source of Marks and Numbers (87) | M | ID 1/2 | 1 |
| | | | **W**     **Pallet Number**<br>**GM**     **SSCC-18 and Application Identifier** | | | |
| Must Use | MAN 02 | **87** | **Marks and Numbers**<br>Marks and numbers used to identify a shipment or parts of a shipment | M | AN 1/48 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856

## Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Pack Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **HL    Hierarchical Level** |
| **Requirement:** | M |
| **Max Use:** | 1 |
| **Purpose:** | To identify dependencies among and the content of hierarchically related groups of data segments |

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

**Example:**    **HL*4*3*P*1~**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | HL 01 | **628** | **Hierarchical ID Number** <br> A unique number assigned by the sender to identify a particular data segment in a hierarchical structure | M | AN 1/12 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

CHDMA

# 856 Ship Notice/Manifest

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|-------|-----|-----|--------------|-----|------|-----|
| Used | HL 02 | **734** | **Hierarchical Parent ID Number**<br>Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to | O | AN 1/12 | 1 |
| Must Use | HL 03 | **735** | **Hierarchical Level Code**<br>Code defining the characteristic of a level in a hierarchical structure<br>**P**     **Pack** | M | ID 1/2 | 1 |
| Must Use | HL 04 | **736** | **Hierarchical Child Code**<br>Code indicating if there are hierarchical child data segments subordinate to the level being described<br>**1**     **Additional Subordinate HL Data Segment in This Hierarchical Structure** | O | ID 1/1 | 1 |

| REF | Segment Tag and Position Number |
|-----|-------------------------------|
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

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**CHDMA**

# 856     Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Pack Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **LIN**     **Item Identification** |
| **Requirement:** | O |
| **Max Use:** | 1 |
| **Purpose:** | To specify basic item identification data |

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

Syntax Notes:
1. P0405 Paired Multiple
2. P0607 Paired Multiple
3. P0809 Paired Multiple
4. P1011 Paired Multiple
5. P1213 Paired Multiple
6. P1415 Paired Multiple
7. P1617 Paired Multiple
8. P1819 Paired Multiple
9. P2021 Paired Multiple
10. P2223 Paired Multiple
11. P2425 Paired Multiple
12. P2627 Paired Multiple
13. P2829 Paired Multiple
14. P3031 Paired Multiple

Semantic Notes:
1. LIN01 is the line item identification

| | |
|---|---|
| **Notes:** | Only Applicable for Single (homogeneous) SKU Full Case Cartons |
| **Example:** | **LIN**\*\*N1\*0555333322\*A1\*X~ |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856     Ship Notice/Manifest

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | LIN 01 | **350** | **Assigned Identification**<br>Alphanumeric characters assigned for differentiation within a transaction set | O | AN 1/20 | 1 |
| Must Use | LIN 02 | **235** | **Product/Service ID Qualifier**<br>Code identifying the type/source of the descriptive number used in Product/ Service ID (234) | M | ID 2/2 | 1 |

    **LT**    **Lot Number**
    **MF**    **Manufacturer**
    **N1**    **National Drug Code in 4-4-2 Format**
           4-digit manufacturer ID, 4-digit product ID, 2-digit trade package size
    **N2**    **National Drug Code in 5-3-2 Format**
           5-digit manufacturer ID, 3-digit product ID, 2-digit trade package size
    **N3**    **National Drug Code in 5-4-1 Format**
           5-digit manufacturer ID, 4-digit product ID, 1-digit trade package size
    **N4**    **National Drug Code in 5-4-2 Format**
           5-digit manufacturer ID, 4-digit product ID, 2-digit trade package size
    **ND**    **National Drug Code (NDC)**
    **N5**    **National Health Related Item Code in 5-5 Format**
    **N6**    **National Health Related Item Code in 4-6 Format**
    **NH**    **National Health Related Item Code**
    **UA**    **U.P.C./EAN Case Code (2-5-5)**
           Retired from use by GS1-US.
    **UI**    **U.P.C. Consumer Package Code (1-5-5)**
           Retired from use by GS1-US.
    **UK**    **U.P.C./EAN Shipping Container Code (1-2-5-5-1)**
           Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN)
    **UP**    **U.P.C. Consumer Package Code (1-5-5-1)**
           Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)
    **UX**    **Universal Product Number**
           A unique identifier of a healthcare product
    **VC**    **Vendor's (Seller's) Catalog Number**

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | LIN 03 | **234** | **Product/Service ID**<br>Identifying number for a product or service | M | AN 1/48 | 1 |
| | LIN 04 | **235** | **Product/Service ID Qualifier**<br>Code identifying the type/source of the descriptive number used in Product/ Service ID (234) | C | ID 2/2 | 1 |
| | LIN 05 | **234** | **Product/Service ID**<br>Identifying number for a product or service | C | AN 1/48 | 1 |

REF             Segment Tag and Position Number
ID                Element ID
REQ           Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR         Elements Representation

**CHDMA**

# 856      Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Pack Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **PO4    Item Physical Details** |
| **Requirement:** | O |
| **Max Use:** | 1 |
| **Purpose:** | To specify the physical qualities, packaging, weights, and dimensions relating to the item |

Comments
1. PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
2. PO413 defines the unit of measure for PO410, PO411, and PO412.

Syntax Notes:
1. P0203 Paired Multiple
2. C0506 Conditional
3. P0607 Paired Multiple
4. P0809 Paired Multiple
5. C1013 Conditional
6. C1113 Conditional
7. C1213 Conditional
8. L13101112 List Conditional
9. C1716 Conditional
10. C1804 Conditional

Semantic Notes:
1. PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
2. PO416 is the package identifier or the beginning package identifier in a range of identifiers.
3. PO417 is the ending package identifier in a range of identifiers.
4. PO418 is the number of packages in this layer.

| | |
|---|---|
| **Notes:** | Only Applicable for Single SKU Full Case Cartons |
| **Example:** | **PO4*8*60*ME*****10*CC*****4~** |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856     Ship Notice/Manifest

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | PO4 01 | **356** | **Pack**<br>The number of inner containers, or number of eaches if there are no inner containers, per outer container | O | N0 1/6 | 1 |
| Must Use | PO4 02 | **357** | **Size**<br>Size of supplier units in pack | C | R 1/8 | 1 |
| Used | PO4 03 | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | C | ID 2/2 | 1 |

| | | |
|---|---|---|
| **AM** | **Ampoule** |
| **BO** | **Bottle** |
| **BX** | **Box** |
| **CA** | **Case** |
| **CH** | **Container** |
| **CT** | **Carton** |
| **DZ** | **Dozen** |
| **EA** | **Each** |
| **GS** | **Gross** |
| **KT** | **Kit** |
| **OZ** | **Ounce - Av** |
| **P1** | **Percent** |
| **PC** | **Piece** |
| **PF** | **Pallet (Lift)** |
| **PK** | **Package** |
| **SP** | **Shelf Package** |
| **SZ** | **Syringe** |
| **UN** | **Unit**<br>Use UN for pill counts or for partials. |
| **VI** | **Vial** |

Use any appropriate code from data element 355, as agreed by the trading partners.

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | PO4 04 | **103** | **Packaging Code**<br>Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required | C | AN 3/5 | 1 |
| Used | PO4 05 | **187** | **Weight Qualifier**<br>Code defining the type of weight | O | ID 1/2 | 1 |
| Used | PO4 06 | **384** | **Gross Weight per Pack**<br>Numeric value of gross weight per pack | C | R 1/9 | 1 |

---

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856      Ship Notice/Manifest

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|-------|-----|-----|--------------|-----|------|-----|
| Used | PO4 07 | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | C | ID 2/2 | 1 |
| Must Use | PO4 08 | **385** | **Gross Volume per Pack**<br>Numeric value of gross volume per pack | C | R 1/9 | 1 |
| Used | PO4 09 | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>**CC**    **Cubic Centimeter**<br>**CF**    **Cubic Feet**<br>**CI**    **Cubic Inches**<br>**CR**    **Cubic Meter**<br>**CY**    **Cubic Yard** | C | ID 2/2 | 1 |
| Used | PO4 10 | **82** | **Length**<br>Largest horizontal dimension of an object measured when the object is in the upright position | C | R 1/8 | 1 |
| Used | PO4 11 | **189** | **Width**<br>Shorter measurement of the two horizontal dimensions measured with the object in the upright position | C | R 1/8 | 1 |
| Used | PO4 12 | **65** | **Height**<br>Vertical dimension of an object measured when the object is in the upright position | C | R 1/8 | 1 |
| Used | PO4 13 | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>**CM**    **Centimeter**<br>**IN**    **Inch**<br>**MM**    **Millimeter** | C | ID 2/2 | 1 |
| Used | PO4 14 | **810** | **Inner Pack**<br>The number of eaches per inner container | O | N0 1/6 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

**CHDMA**

# 856     **Ship Notice/Manifest**

| | |
|---|---|
| **Loop:** | **Pack Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **REF    Reference Identification** |
| **Requirement:** | O |
| **Max Use:** | >1 |
| **Purpose:** | To specify identifying information |

Syntax Notes:
1. R0203 Required

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

**Notes:**    Use REF only for serialization, using GS1 EPC.

**Example:**    **REF*01**urn:epc:id:sgtin:0309440.049101.5265**~

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | REF 01 | **128** | **Reference Identification Qualifier** <br> Code qualifying the Reference Identification | M | ID 2/3 | 1 |
| | | | **SE     Serial Number** | | | |
| Used | REF 03 | **352** | **Description** <br> A free-form description to clarify the related data elements and their content | C | AN 1/80 | 1 |
| | | | **Serial Number in GS1 EPC format.** | | | |

| REF | Segment Tag and Position Number |
|---|---|
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

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|---|---|---|---|---|
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# 856

## Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Pack Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **MAN   Marks and Numbers** |
| **Requirement:** | O |
| **Max Use:** | >1 |
| **Purpose:** | To indicate identifying marks and numbers for shipping containers |

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

Syntax Notes:
1. P0405 Paired Multiple
2. C0605 Conditional

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

| | |
|---|---|
| **Example:** | **MAN\*AI\*00103003339876543218~** |

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | MAN 01 | **88** | **Marks and Numbers Qualifier**<br>Code specifying the application or source of Marks and Numbers (87) | M | ID 1/2 | 1 |
| | | | **AI**   **UCC/EAN-128 Application Identifier (AI) and Data**<br>Code AI should not be used for -21 serial number. | | | |
| Used | MAN 02 | **87** | **Marks and Numbers**<br>Marks and numbers used to identify a shipment or parts of a shipment | M | AN 1/48 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856

## Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Pack Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **MAN   Marks and Numbers** |
| **Requirement:** | O |
| **Max Use:** | >1 |
| **Purpose:** | To indicate identifying marks and numbers for shipping containers |

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

Syntax Notes:
1. P0405 Paired Multiple
2. C0605 Conditional

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

| | |
|---|---|
| **Example:** | **MAN*GM*00123456789098765432~** |

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | MAN 01 | **88** | **Marks and Numbers Qualifier** <br> Code specifying the application or source of Marks and Numbers (87) | M | ID 1/2 | 1 |
| | | | **GM**　　**SSCC-18 and Application Identifier** | | | |
| Used | MAN 02 | **87** | **Marks and Numbers** <br> Marks and numbers used to identify a shipment or parts of a shipment | M | AN 1/48 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

**CHDMA**

# 856     Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Pack Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **DTM    Date/Time Reference** |
| **Requirement:** | O |
| **Max Use:** | 10 |
| **Purpose:** | To specify pertinent dates and times |

Syntax Notes:
1. R020305 Required
2. C0403 Conditional
3. P0506 Paired Multiple

| | |
|---|---|
| **Notes:** | Only Applicable for Single (homogeneous) SKU Full Case Cartons |
| **Example:** | **DTM\*208\*20140225~** |

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | DTM01 | **374** | **Date/Time Qualifier**<br>Code specifying type of date or time, or both date and time | M | ID 3/3 | 1 |
| | | **208** | **Lot Number Expiration** | | | |
| Used | DTM02 | **373** | **Date**<br>Date expressed as CCYYMMDD | C | DT 8/8 | 1 |

REF      Segment Tag and Position Number
ID      Element ID
REQ      Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR      Elements Representation

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| | |
|---|---|
| **Loop:** | **Inner Pack Level** |
| **Repeat:** | **200000** |
| **Notes:** | **Used for Inner Packs that have their own unique identifier.** |

| | |
|---|---|
| **Segment:** | **HL    Hierarchical Level** |
| **Requirement:** | M |
| **Max Use:** | 1 |
| **Purpose:** | To identify dependencies among and the content of hierarchically related groups of data segments |

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

| | |
|---|---|
| **Example:** | **HL*4*3*Q*1~** |

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | HL 01 | **628** | **Hierarchical ID Number**<br>A unique number assigned by the sender to identify a particular data segment in a hierarchical structure | M | AN 1/12 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856      Ship Notice/Manifest

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | HL 02 | **734** | **Hierarchical Parent ID Number**<br>Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to | O | AN 1/12 | 1 |
| Must Use | HL 03 | **735** | **Hierarchical Level Code**<br>Code defining the characteristic of a level in a hierarchical structure | M | ID 1/2 | 1 |
| | | | **Q**      **Subpack** | | | |
| Must Use | HL 04 | **736** | **Hierarchical Child Code**<br>Code indicating if there are hierarchical child data segments subordinate to the level being described | O | ID 1/1 | 1 |
| | | | **1**      **Additional Subordinate HL Data Segment in This Hierarchical Structure.** | | | |

| REF | Segment Tag and Position Number |
|---|---|
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

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# 856     Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Inner Pack Level** |
| **Repeat:** | **200000** |
| **Notes:** | **Used for Inner Packs that have their own unique identifier.** |

| | |
|---|---|
| **Segment:** | **LIN     Item Identification** |
| **Requirement:** | O |
| **Max Use:** | 1 |
| **Purpose:** | To specify basic item identification data |

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

Syntax Notes:
1. P0405 Paired Multiple
2. P0607 Paired Multiple
3. P0809 Paired Multiple
4. P1011 Paired Multiple
5. P1213 Paired Multiple
6. P1415 Paired Multiple
7. P1617 Paired Multiple
8. P1819 Paired Multiple
9. P2021 Paired Multiple
10. P2223 Paired Multiple
11. P2425 Paired Multiple
12. P2627 Paired Multiple
13. P2829 Paired Multiple
14. P3031 Paired Multiple

Semantic Notes:
1. LIN01 is the line item identification

| | |
|---|---|
| **Notes:** | Only Applicable for Single (homogeneous) SKU Full Case Cartons |
| **Example:** | **LIN**\*\*N1\*0555333322~ |

| REF | Segment Tag and Position Number |
|---|---|
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

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## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|-------|-----|-----|--------------|-----|------|-----|
| Used | LIN 01 | **350** | **Assigned Identification**<br>Alphanumeric characters assigned for differentiation within a transaction set | O | AN 1/20 | 1 |
| Must Use | LIN 02 | **235** | **Product/Service ID Qualifier**<br>Code identifying the type/source of the descriptive number used in Product/ Service ID (234) | M | ID 2/2 | 1 |

| | | | |
|---|---|---|---|
| | **LT** | **Lot Number** | |
| | **MF** | **Manufacturer** | |
| | **N1** | **National Drug Code in 4-4-2 Format**<br>4-digit manufacturer ID, 4-digit product ID, 2-digit trade package size | |
| | **N2** | **National Drug Code in 5-3-2 Format**<br>5-digit manufacturer ID, 3-digit product ID, 2-digit trade package size | |
| | **N3** | **National Drug Code in 5-4-1 Format**<br>5-digit manufacturer ID, 4-digit product ID, 1-digit trade package size | |
| | **N4** | **National Drug Code in 5-4-2 Format**<br>5-digit manufacturer ID, 4-digit product ID, 2-digit trade package size | |
| | **ND** | **National Drug Code (NDC)** | |
| | **N5** | **National Health Related Item Code in 5-5 Format** | |
| | **N6** | **National Health Related Item Code in 4-6 Format** | |
| | **NH** | **National Health Related Item Code** | |
| | **UA** | **U.P.C./EAN Case Code (2-5-5)**<br>Retired from use by GS1-US. | |
| | **UI** | **U.P.C. Consumer Package Code (1-5-5)**<br>Retired from use by GS1-US. | |
| | **UK** | **U.P.C./EAN Shipping Container Code (1-2-5-5-1)**<br>Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN) | |
| | **UP** | **U.P.C. Consumer Package Code (1-5-5-1)**<br>Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.) | |
| | **UX** | **Universal Product Number**<br>A unique identifier of a healthcare product | |
| | **VC** | **Vendor's (Seller's) Catalog Number** | |

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|-------|-----|-----|--------------|-----|------|-----|
| Must Use | LIN 03 | **234** | **Product/Service ID**<br>Identifying number for a product or service | M | AN 1/48 | 1 |

REF        Segment Tag and Position Number
ID         Element ID
REQ        Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR       Elements Representation

# 856

## Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Inner Pack Level** |
| **Repeat:** | **200000** |
| **Notes:** | **Used for Inner Packs that have their own unique identifier.** |

| | |
|---|---|
| **Segment:** | **PO4   Item Physical Details** |
| **Requirement:** | O |
| **Max Use:** | 1 |
| **Purpose:** | To specify the physical qualities, packaging, weights, and dimensions relating to the item |

Comments
1. PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
2. PO413 defines the unit of measure for PO410, PO411, and PO412.

Syntax Notes:
1. P0203 Paired Multiple
2. C0506 Conditional
3. P0607 Paired Multiple
4. P0809 Paired Multiple
5. C1013 Conditional
6. C1113 Conditional
7. C1213 Conditional
8. L13101112 List Conditional
9. C1716 Conditional
10. C1804 Conditional

Semantic Notes:
1. PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
2. PO416 is the package identifier or the beginning package identifier in a range of identifiers.
3. PO417 is the ending package identifier in a range of identifiers.
4. PO418 is the number of packages in this layer.

| | |
|---|---|
| **Notes:** | Only Applicable for Single SKU Full Inner Pack |
| **Example:** | **PO4*8*60*ME*****10*CC*****4~** |

| REF | Segment Tag and Position Number |
|---|---|
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

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## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|-------|-----|-----|-------------|-----|------|-----|
| Must Use | PO4 01 | **356** | **Pack**<br>The number of inner containers, or number of eaches if there are no inner containers, per outer container | O | N0 1/6 | 1 |
| Must Use | PO4 02 | **357** | **Size**<br>Size of supplier units in pack | C | R 1/8 | 1 |
| Used | PO4 03 | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | C | ID 2/2 | 1 |

|  |  |  | **AM**    **Ampoule** | | | |
|--|--|--|-------------------------------|---|---|---|
|  |  |  | **BO**    **Bottle** | | | |
|  |  |  | **BX**    **Box** | | | |
|  |  |  | **CA**    **Case** | | | |
|  |  |  | **CH**    **Container** | | | |
|  |  |  | **CT**    **Carton** | | | |
|  |  |  | **DZ**    **Dozen** | | | |
|  |  |  | **EA**    **Each** | | | |
|  |  |  | **GS**    **Gross** | | | |
|  |  |  | **KT**    **Kit** | | | |
|  |  |  | **OZ**    **Ounce - Av** | | | |
|  |  |  | **P1**    **Percent** | | | |
|  |  |  | **PC**    **Piece** | | | |
|  |  |  | **PF**    **Pallet (Lift)** | | | |
|  |  |  | **PK**    **Package** | | | |
|  |  |  | **SP**    **Shelf Package** | | | |
|  |  |  | **SZ**    **Syringe** | | | |
|  |  |  | **UN**    **Unit**<br>Use UN for pill counts or for partials. | | | |
|  |  |  | **VI**    **Vial** | | | |

Use any appropriate code from data element 355, as agreed by the trading partners.

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|-------|-----|-----|-------------|-----|------|-----|
| Used | PO4 04 | **103** | **Packaging Code**<br>Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required | C | AN 3/5 | 1 |
| Used | PO4 05 | **187** | **Weight Qualifier**<br>Code defining the type of weight | O | ID 1/2 | 1 |
| Used | PO4 06 | **384** | **Gross Weight per Pack**<br>Numeric value of gross weight per pack | C | R 1/9 | 1 |

| REF | Segment Tag and Position Number |
|-----|--------------------------------|
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

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**ELEMENT SUMMARY**

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | PO4 07 | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | C | ID 2/2 | 1 |
| Must Use | PO4 08 | **385** | **Gross Volume per Pack**<br>Numeric value of gross volume per pack | C | R 1/9 | 1 |
| Used | PO4 09 | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>**CC** **Cubic Centimeter**<br>**CF** **Cubic Feet**<br>**CI** **Cubic Inches**<br>**CR** **Cubic Meter**<br>**CY** **Cubic Yard** | C | ID 2/2 | 1 |
| Used | PO4 10 | **82** | **Length**<br>Largest horizontal dimension of an object measured when the object is in the upright position | C | R 1/8 | 1 |
| Used | PO4 11 | **189** | **Width**<br>Shorter measurement of the two horizontal dimensions measured with the object in the upright position | C | R 1/8 | 1 |
| Used | PO4 12 | **65** | **Height**<br>Vertical dimension of an object measured when the object is in the upright position | C | R 1/8 | 1 |
| Used | PO4 13 | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>**CM** **Centimeter**<br>**IN** **Inch**<br>**MM** **Millimeter** | C | ID 2/2 | 1 |
| Used | PO4 14 | **810** | **Inner Pack**<br>The number of eaches per inner container | O | N0 1/6 | 1 |

REF       Segment Tag and Position Number
ID        Element ID
REQ       Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR      Elements Representation

# 856

## Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Inner Pack Level** |
| **Repeat:** | **200000** |
| **Notes:** | **Used for Inner Packs that have their own unique identifier.** |

| | |
|---|---|
| **Segment:** | **REF    Reference Identification** |
| **Requirement:** | O |
| **Max Use:** | >1 |
| **Purpose:** | To specify identifying information |

Syntax Notes:
1. R0203 Required

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

**Notes:** Use REF only for serialization, using GS1 EPC.

**Example:** **REF*SE**urn:epc:id:sgtin:0309440.049101.5201~**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | REF 01 | **128** | **Reference Identification Qualifier** <br> Code qualifying the Reference Identification | M | ID 2/3 | 1 |
| | | | **SE    Serial Number** | | | |
| Used | REF 03 | **352** | **Description** <br> A free-form description to clarify the related data elements and their content | C | AN 1/80 | 1 |
| | | | **Serial Number in GS1 EPC format** | | | |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

**CHDMA**

# 856

### Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Inner Pack Level** |
| **Repeat:** | **200000** |
| **Notes:** | **Used for Inner Packs that have their own unique identifier.** |

| | |
|---|---|
| **Segment:** | **MAN   Marks and Numbers** |
| **Requirement:** | O |
| **Max Use:** | >1 |
| **Purpose:** | To indicate identifying marks and numbers for shipping containers |

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

Syntax Notes:
1. P0405 Paired Multiple
2. C0605 Conditional

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

| | |
|---|---|
| **Example:** | **MAN*AI*03094400491015201~** |

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | MAN 01 | **88** | **Marks and Numbers Qualifier**<br>Code specifying the application or source of Marks and Numbers (87) | M | ID 1/2 | 1 |
| | | | **AI**      **UCC/EAN-128 Application Identifier (AI) and Data** | | | |
| Used | MAN 02 | **87** | **Marks and Numbers**<br>Marks and numbers used to identify a shipment or parts of a shipment | M | AN 1/48 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

**CHDMA**

# 856

## Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Inner Pack Level** |
| **Repeat:** | **200000** |
| **Notes:** | **Used for Inner Packs that have their own unique identifier.** |

| | |
|---|---|
| **Segment:** | **MAN   Marks and Numbers** |
| **Requirement:** | O |
| **Max Use:** | >1 |
| **Purpose:** | To indicate identifying marks and numbers for shipping containers |

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

Syntax Notes:
1. P0405 Paired Multiple
2. C0605 Conditional

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

**Example:**   **MAN*GM*00333444555666777883~**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | MAN 01 | **88** | **Marks and Numbers Qualifier**<br>Code specifying the application or source of Marks and Numbers (87) | M | ID 1/2 | 1 |
| | | | **GM**     **SSCC-18 and Application Identifier** | | | |
| Used | MAN 02 | **87** | **Marks and Numbers**<br>Marks and numbers used to identify a shipment or parts of a shipment | M | AN 1/48 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

**CHDMA**

# 856    Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Inner Pack Level** |
| **Repeat:** | **200000** |
| **Notes:** | **Used for Inner Packs that have their own unique identifier.** |

| | |
|---|---|
| **Segment:** | **DTM    Date/Time Reference** |
| **Requirement:** | O |
| **Max Use:** | 10 |
| **Purpose:** | To specify pertinent dates and times |

Syntax Notes:
1. R020305 Required
2. C0403 Conditional
3. P0506 Paired Multiple

| | |
|---|---|
| **Notes:** | Only Applicable for Single (homogeneous) SKU Full Inner Pack |
| **Example:** | DTM*208*20140225~ |

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | DTM01 | **374** | **Date/Time Qualifier**<br>Code specifying type of date or time, or both date and time | M | ID 3/3 | 1 |
| | | **208** | **Lot Number Expiration** | | | |
| Used | DTM02 | **373** | **Date**<br>Date expressed as CCYYMMDD | C | DT 8/8 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856

## Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Item Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **HL Hierarchical Level** |
| **Requirement:** | M |
| **Max Use:** | 1 |
| **Purpose:** | To identify dependencies among and the content of hierarchically related groups of data segments |

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

**Example:** **HL\*5\*4\*I\*0~**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | HL 01 | **628** | **Hierarchical ID Number** <br> A unique number assigned by the sender to identify a particular data segment in a hierarchical structure | M | AN 1/12 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856 Ship Notice/Manifest

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|-------|-----|-----|--------------|-----|------|-----|
| Used | HL 02 | **734** | **Hierarchical Parent ID Number**<br>Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to | O | AN 1/12 | 1 |
| Must Use | HL 03 | **735** | **Hierarchical Level Code**<br>Code defining the characteristic of a level in a hierarchical structure<br>**I**      **Item** | M | ID 1/2 | 1 |
| Used | HL 04 | **736** | **Hierarchical Child Code**<br>Code indicating if there are hierarchical child data segments subordinate to the level being described<br>**0**      **No Subordinate HL Segment in This Hierarchical Structure.** | O | ID 1/1 | 1 |

REF      Segment Tag and Position Number
ID      Element ID
REQ      Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR      Elements Representation

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# 856

### Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Item Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **LIN     Item Identification** |
| **Requirement:** | O |
| **Max Use:** | 1 |
| **Purpose:** | To specify basic item identification data |

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

Syntax Notes:
1. P0405 Paired Multiple
2. P0607 Paired Multiple
3. P0809 Paired Multiple
4. P1011 Paired Multiple
5. P1213 Paired Multiple
6. P1415 Paired Multiple
7. P1617 Paired Multiple
8. P1819 Paired Multiple
9. P2021 Paired Multiple
10. P2223 Paired Multiple
11. P2425 Paired Multiple
12. P2627 Paired Multiple
13. P2829 Paired Multiple
14. P3031 Paired Multiple

Semantic Notes:
1. LIN01 is the line item identification

| **Example:** | **LIN**N4*0555333322*LT*BR109876~** |
|---|---|

REF          Segment Tag and Position Number
ID           Element ID
REQ          Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR         Elements Representation

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## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|-------|-----|-----|--------------|-----|------|-----|
| Used | LIN 01 | **350** | **Assigned Identification**<br>Alphanumeric characters assigned for differentiation within a transaction set<br><br>ASN Line Number or Original PO Line Number | O | AN 1/20 | 1 |
| Must Use | LIN 02 | **235** | **Product/Service ID Qualifier**<br>Code identifying the type/source of the descriptive number used in Product/ Service ID (234) | M | ID 2/2 | 1 |

|  |  | | |
|---|---|---|---|
| **LT** | **Lot Number** | | |
| **MF** | **Manufacturer** | | |
| **N1** | **National Drug Code in 4-4-2 Format**<br>4-digit manufacturer ID, 4-digit product ID, 2-digit trade package size | | |
| **N2** | **National Drug Code in 5-3-2 Format**<br>5-digit manufacturer ID, 3-digit product ID, 2-digit trade package size | | |
| **N3** | **National Drug Code in 5-4-1 Format**<br>5-digit manufacturer ID, 4-digit product ID, 1-digit trade package size | | |
| **N4** | **National Drug Code in 5-4-2 Format**<br>5-digit manufacturer ID, 4-digit product ID, 2-digit trade package size | | |
| **ND** | **National Drug Code (NDC)** | | |
| **N5** | **National Health Related Item Code in 5-5 Format** | | |
| **N6** | **National Health Related Item Code in 4-6 Format** | | |
| **NH** | **National Health Related Item Code** | | |
| **UA** | **U.P.C./EAN Case Code (2-5-5)**<br>Retired from use by GS1-US. | | |
| **UI** | **U.P.C. Consumer Package Code (1-5-5)**<br>Retired from use by GS1-US. | | |
| **UK** | **U.P.C./EAN Shipping Container Code (1-2-5-5-1)**<br>Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN) | | |
| **UP** | **U.P.C. Consumer Package Code (1-5-5-1)**<br>Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.) | | |
| **UX** | **Universal Product Number**<br>A unique identifier of a healthcare product | | |
| **VC** | **Vendor's (Seller's) Catalog Number** | | |

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|-------|-----|-----|--------------|-----|------|-----|
| Must Use | LIN 03 | **234** | **Product/Service ID**<br>Identifying number for a product or service | M | AN 1/48 | 1 |
| Use | LIN 04 | **235** | **Product/Service ID Qualifier**<br>Code identifying the type/source of the descriptive number used in Product/ Service ID (234) | C | ID 2/2 | 1 |

---

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856　　Ship Notice/Manifest

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|-------|-----|-----|--------------|-----|------|-----|
| Must Use | LIN 05 | **234** | **Product/Service ID**<br>Identifying number for a product or service | C | AN 1/48 | 1 |
| Used | LIN 06 | **235** | **Product/Service ID Qualifier**<br>Code identifying the type/source of the descriptive number used in Product/ Service ID (234) | C | ID 2/2 | 1 |
| Used | LIN 07 | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>　　Refer to 004010 Data Element Dictionary for acceptable code values. | C | AN 1/48 | 1 |
| Used | LIN 08 | **235** | **Product/Service ID Qualifier**<br>Code identifying the type/source of the descriptive number used in Product/ Service ID (234) | C | ID 2/2 | 1 |
| Used | LIN 09 | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>　　Refer to 004010 Data Element Dictionary for acceptable code values. | C | AN 1/48 | 1 |
| Used | LIN 10 | **235** | **Product/Service ID Qualifier**<br>Code identifying the type/source of the descriptive number used in Product/ Service ID (234) | C | ID 2/2 | 1 |
| Used | LIN 11 | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>　　Refer to 004010 Data Element Dictionary for acceptable code values. | C | AN 1/48 | 1 |
| Used | LIN 12 | **235** | **Product/Service ID Qualifier**<br>Code identifying the type/source of the descriptive number used in Product/ Service ID (234) | C | ID 2/2 | 1 |
| Used | LIN 13 | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>　　Refer to 004010 Data Element Dictionary for acceptable code values. | C | AN 1/48 | 1 |
| Used | LIN 14 | **235** | **Product/Service ID Qualifier**<br>Code identifying the type/source of the descriptive number used in Product/ Service ID (234) | C | ID 2/2 | 1 |
| Used | LIN 15 | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>　　Refer to 004010 Data Element Dictionary for acceptable code values. | C | AN 1/48 | 1 |
| Used | LIN 16 | **235** | **Product/Service ID Qualifier**<br>Code identifying the type/source of the descriptive number used in Product/ Service ID (234) | C | ID 2/2 | 1 |

REF　　　　　Segment Tag and Position Number
ID　　　　　Element ID
REQ　　　　　Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR　　　　　Elements Representation

CHDMA

# 856     Ship Notice/Manifest

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|-------|-----|-----|--------------|-----|------|-----|
| Used | LIN 17 | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>    Refer to 004010 Data Element Dictionary for acceptable code values. | C | AN 1/48 | 1 |
| Used | LIN 18 | **235** | **Product/Service ID Qualifier**<br>Code identifying the type/source of the descriptive number used in Product/ Service ID (234) | C | ID 2/2 | 1 |
| Used | LIN 19 | **234** | **Product/Service ID**<br>Identifying number for a product or service<br>    Refer to 004010 Data Element Dictionary for acceptable code values. | C | AN 1/48 | 1 |
| Used | LIN 20 | **235** | **Product/Service ID Qualifier**<br>Code identifying the type/source of the descriptive number used in Product/ Service ID (234) | C | ID 2/2 | 1 |

REF        Segment Tag and Position Number
ID         Element ID
REQ       Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR      Elements Representation

# 856

## Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Item Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **SN1** **Item Detail (Shipment)** |
| **Requirement:** | O |
| **Max Use:** | 1 |
| **Purpose:** | To specify line-item detail relative to shipment |

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

Syntax Notes:
1. P0506 Paired Multiple

Semantic Notes:
1. SN101 is the ship notice line-item identification.

**Example:** **SN1**\*\***50**\***UN**~

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | SN1 01 | **350** | **Assigned Identification** <br> Alphanumeric characters assigned for differentiation within a transaction set <br><br> ASN Line Number or Original PO Line Number, as referenced in LIN01 | O | AN 1/20 | 1 |
| Must Use | SN1 02 | **382** | **Number of Units Shipped** <br> Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set | M | R 1/10 | 1 |
| Must Use | SN1 03 | **355** | **Unit or Basis for Measurement Code** <br> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | M | ID 2/2 | 1 |

REF         Segment Tag and Position Number
ID           Element ID
REQ        Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR       Elements Representation

**CHDMA**

# 856      Ship Notice/Manifest

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| | | | AM    Ampoule | | | |
| | | | BO    Bottle | | | |
| | | | BX    Box | | | |
| | | | CA    Case | | | |
| | | | CH    Container | | | |
| | | | CT    Carton | | | |
| | | | DZ    Dozen | | | |
| | | | EA    Each | | | |
| | | | GS    Gross | | | |
| | | | KT    Kit | | | |
| | | | OZ    Ounce - Av | | | |
| | | | P1    Percent | | | |
| | | | PC    Piece | | | |
| | | | PF    Pallet (Lift) | | | |
| | | | PK    Package | | | |
| | | | SP    Shelf Package | | | |
| | | | SZ    Syringe | | | |
| | | | UN    Unit<br>Use UN for pill counts or for partials. | | | |
| | | | VI    Vial | | | |
| | | | Use any appropriate code from data element 355, as agreed by the trading partners. | | | |
| Used | SN1 04 | **646** | **Quantity Shipped to Date**<br>Number of units shipped to date | O | R 1/15 | 1 |
| Used | SN1 05 | **330** | **Quantity Ordered**<br>Quantity ordered | C | R 1/15 | 1 |
| Used | SN1 06 | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | C | ID 2/2 | 1 |

REF          Segment Tag and Position Number
ID            Element ID
REQ        Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR      Elements Representation

# 856      Ship Notice/Manifest

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|-------|-----|----|-------------|-----|------|-----|
| | | AM | **Ampoule** | | | |
| | | BO | **Bottle** | | | |
| | | BX | **Box** | | | |
| | | CA | **Case** | | | |
| | | CH | **Container** | | | |
| | | CT | **Carton** | | | |
| | | DZ | **Dozen** | | | |
| | | EA | **Each** | | | |
| | | GS | **Gross** | | | |
| | | KT | **Kit** | | | |
| | | OZ | **Ounce - Av** | | | |
| | | P1 | **Percent** | | | |
| | | PC | **Piece** | | | |
| | | PF | **Pallet (Lift)** | | | |
| | | PK | **Package** | | | |
| | | SP | **Shelf Package** | | | |
| | | SZ | **Syringe** | | | |
| | | UN | **Unit** | | | |
| | | | Use UN for pill counts or for partials. | | | |
| | | VI | **Vial** | | | |

Use any appropriate code from data element 355, as agreed by the trading partners.

REF      Segment Tag and Position Number
ID      Element ID
REQ      Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR      Elements Representation

**CHDMA**

## 856

### Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Item Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **PID     Product/Item Description** |
| **Requirement:** | O |
| **Max Use:** | 200 |
| **Purpose:** | To describe a product or process in coded or free-form format |

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

Syntax Notes:
1. C0403 Conditional
2. R0405 Required
3. C0703 Conditional
4. C0804 Conditional
5. C0905 Conditional

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

| | |
|---|---|
| **Example:** | **PID*F****IBUPROFEN TABLETS 300 MG 70~** |

### ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | PID 01 | **349** | **Item Description Type**<br>Code indicating the format of a description | M | ID 1/1 | 1 |
| | | | **F         Free-form** | | | |

REF         Segment Tag and Position Number
ID           Element ID
REQ         Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR        Elements Representation

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## Ship Notice/Manifest

### ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|-------|-----|-----|-------------|-----|------|-----|
| Used | PID 02 | **750** | **Product/Process Characteristic Code**<br>Code identifying the general class of a product or process characteristic | O | ID 2/3 | 1 |
| Used | PID 03 | **559** | **Agency Qualifier Code**<br>Code identifying the agency assigning the code values | C | ID 2/2 | 1 |
| Used | PID 04 | **751** | **Product Description Code**<br>A code from an industry code list which provides specific data about a product characteristic | C | AN 1/12 | 1 |
| Must Use | PID 05 | **352** | **Description**<br>A free-form description to clarify the related data elements and their content<br><br>The description should contain prescription (Rx) drug product information, such as product name, strength, dosage form and container size. | C | AN 1/80 | 1 |

REF       Segment Tag and Position Number
ID        Element ID
REQ     Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR   Elements Representation

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**CHDMA**

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| | |
|---|---|
| **Loop:** | **Item Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **REF    Reference Identification** |
| **Requirement:** | O |
| **Max Use:** | >1 |
| **Purpose:** | To specify identifying information |

Syntax Notes:
1. R0203 Required

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

| | |
|---|---|
| **Notes:** | Used for consolidated billing invoicing – multiple invoices per shipment. |
| **Example:** | **REF*IV*222333444~** |

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | REF 01 | **128** | **Reference Identification Qualifier**<br>Code qualifying the Reference Identification | M | ID 2/3 | 1 |
| | | | **IV**      **Seller's Invoice Number** | | | |
| Used | REF 02 | **127** | **Reference Identification**<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | C | AN 1/30 | 1 |

| | | |
|---|---|---|
| REF | Segment Tag and Position Number | |
| ID | Element ID | |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) | |
| REPR | Elements Representation | |

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| | |
|---|---|
| **Loop:** | **Item Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **REF**    **Reference Identification** |
| **Requirement:** | O |
| **Max Use:** | >1 |
| **Purpose:** | To specify identifying information |

Syntax Notes:
1. R0203 Required

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

**Notes:**    Use REF only for serialization, using GS1 EPC.

**Example:**    **REF*SE**urn:epc:id:sgtin:0010300333.987654.3212~**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | REF 01 | **128** | **Reference Identification Qualifier**<br>Code qualifying the Reference Identification | M | ID 2/3 | 1 |
| | | | **SE**    **Serial Number** | | | |
| Used | REF 03 | **352** | **Description**<br>A free-form description to clarify the related data elements and their content | C | AN 1/80 | 1 |
| | | | **Serial Number in GS1 EPC format.** | | | |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

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## Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Item Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Segment:** | **DTM   Date/Time Reference** |
| **Requirement:** | O |
| **Max Use:** | 10 |
| **Purpose:** | To specify pertinent dates and times |

Syntax Notes:
1. R020305 Required
2. C0403 Conditional
3. P0506 Paired Multiple

**Example:**      **DTM\*208\*20150130**~

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | DTM01 | **374** | **Date/Time Qualifier**<br>Code specifying type of date or time, or both date and time | M | ID 3/3 | 1 |
| | | | **208**      **Lot Number Expiration** | | | |
| Must Use | DTM02 | **373** | **Date**<br>Date expressed as CCYYMMDD | C | DT 8/8 | 1 |

| | | |
|---|---|---|
| REF | Segment Tag and Position Number | |
| ID | Element ID | |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) | |
| REPR | Elements Representation | |

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# 856

## Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Item Level** |
| **Repeat:** | **200000** |
| **Loop:** | **N1-N3-N4-REF** |
| **Repeat:** | **200** |
| **Notes:** | **The following N1 loops are used for conveying Transaction History (TH) for DSCSA.** |

| | |
|---|---|
| **Segment:** | **N1** **Name** |
| **Requirement:** | M |
| **Max Use:** | 1 |
| **Purpose:** | To identify a party by type of organization, name, and code |

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.

Syntax Notes:
1. R0203 Required
2. P0304 Paired Multiple

**Example:** **N1*MF*BRICK PHARMACEUTICALS*UL*12345678901~**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | N1 01 | **98** | **Entity Identifier Code**<br>Code identifying an organizational entity, a physical location, property or an individual | M | ID 2/3 | 1 |
| | | | **DS** **Distributor**<br>Exclusive Distributor | | | |
| | | | **MF** **Manufacturer of Goods**<br>Original manufacturer | | | |
| | | | **SU** **Supplier/Manufacturer**<br>Use for Supplier or Distributor for Indirect Shipments | | | |
| Must Use | N1 02 | **93** | **Name**<br>Free-form name<br>This is the legal company name. | C | AN 1/60 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

**CHDMA**

# 856     **Ship Notice/Manifest**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| | N1 03 | **66** | **Identification Code Qualifier** <br> Code designating the system/method of code structure used for Identification <br> Code (67) | C | ID 1/2 | 1 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | **1** | **D-U-N-S Number, Dun & Bradstreet** | | | | |
| | **9** | **D-U-N-S+4, D-U-N-S Number with Four Character Suffix** | | | | |
| | **11** | **Drug Enforcement Administration (DEA)** | | | | |
| | **21** | **Health Industry Number (HIN)** | | | | |
| | **91** | **Assigned by Seller or Seller's Agent** | | | | |
| | **92** | **Assigned by Buyer or Buyer's Agent** | | | | |
| | **UL** | **UCC/EAN Location Code** | | | | |

Used for GS1-US Global Location Number (GLN). Standard 13-digitGLNs are used in business to business transactions. The UL qualifier does not support the serialized GLN unless the serial number is truncated from the serialized GLN to result in the standard 13-digit GLN.

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| | N1 04 | **67** | **Identification Code** <br> Code identifying a party or other code | C | AN 2/80 | 1 |

---

REF       Segment Tag and Position Number
ID        Element ID
REQ      Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR     Elements Representation

# 856     Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Item Level** |
| **Repeat:** | **200000** |
| **Loop:** | **N1-N3-N4-REF** |
| **Repeat:** | **200** |
| **Notes:** | **The following N1 loops are used for conveying Transaction History (TH) for DSCSA.** |

| | |
|---|---|
| **Segment:** | **N3**     **Address Information** |
| **Requirement:** | O |
| **Max Use:** | 2 |
| **Purpose:** | To specify the location of the named party |
| **Example:** | **N3*456 MAIN STREET**~ |

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | N3 01 | **166** | **Address Information**<br>Address information | M | AN 1/55 | 1 |
| Used | N3 02 | **166** | **Address Information**<br>Address information | O | AN 1/55 | 1 |

REF     Segment Tag and Position Number
ID     Element ID
REQ     Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR     Elements Representation

# 856 Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Item Level** |
| **Repeat:** | **200000** |

| | |
|---|---|
| **Loop:** | **N1-N3-N4-REF** |
| **Repeat:** | **200** |
| **Notes:** | **The following N1 loops are used for conveying Transaction History (TH) for DSCSA.** |

| | |
|---|---|
| **Segment:** | **N4    Geographic Location** |
| **Requirement:** | O |
| **Max Use:** | 1 |
| **Purpose:** | To specify the geographic place of the named party |

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.

Syntax Notes:
1. C0605 Conditional

**Example:**    **N4\*CLEVELAND\*OH\*44114~**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Used | N401 | **19** | **City Name**<br>Free-form text for city name | O | AN 2/30 | 1 |
| Used | N402 | **156** | **State or Province Code**<br>Code (Standard State/Province) as defined by appropriate government agency | O | ID 2/2 | 1 |
| Used | N403 | **116** | **Postal Code**<br>Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | O | ID 3/15 | 1 |
| Used | N404 | **26** | **Country Code**<br>Code identifying the country | O | ID 2/3 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856

## Ship Notice/Manifest

| | |
|---|---|
| **Loop:** | **Item Level** |
| **Repeat:** | **200000** |
| **Loop:** | **N1-N3-N4-REF** |
| **Repeat:** | **200** |
| **Notes:** | **The following N1 loops are used for conveying Transaction History (TH) for DSCSA.** |

| | |
|---|---|
| **Segment:** | **REF   Reference Identification** |
| **Requirement:** | O |
| **Max Use:** | 12 |
| **Purpose:** | To specify identifying information |

Syntax Notes:
1. R0203 Required

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

**Example:     REF*KK*20140128*1832050~**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| | REF 01 | **128** | **Reference Identification Qualifier**<br>Code qualifying the Reference Identification | M | ID 2/3 | 1 |
| | | | **KK      Delivery Reference** | | | |
| | REF 02 | **127** | **Reference Identification**<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | C | AN 1/30 | 1 |
| | | | Delivery Reference Date | | | |
| | REF 03 | **352** | **Description**<br>A free-form description to clarify the related data elements and their content | C | AN 1/80 | 1 |
| | | | Advance Ship Notice Reference Number | | | |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856     Ship Notice/Manifest

| | |
|---|---|
| **Segment:** | **CTT    Transaction Totals** |
| **Requirement:** | O |
| **Max Use:** | 1 |
| **Purpose:** | To transmit a hash total for a specific element in the transaction set |

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

Syntax Notes:
1. P0304 Paired Multiple
2. P0506 Paired Multiple

**Example:**    **CTT*5*12345~**

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | CTT 01 | **354** | **Number of Line Items**<br>Total number of line items in the transaction set<br><br>On the 856 document, this value represents the number of HL Segments in the transaction set, not the number of actual line items, as stated in the Transaction Set Notes. | M | N0 1/6 | 1 |
| Used | CTT 02 | **347** | **Hash Total**<br>Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs.<br>Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.<br><br>Example:<br>-.0018   First occurrence of value being hashed.<br>.18   Second occurrence of value being hashed.<br>1.8   Third occurrence of value being hashed.<br>18.01   Fourth occurrence of value being hashed.<br>------<br>1855   Hash total prior to truncation.<br>855   Hash total after truncation to three digit field. | O | R 1/10 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856     Ship Notice/Manifest

| | |
|---|---|
| **Segment:** | **SE    Transaction Set Trailer** |
| **Requirement:** | M |
| **Max Use:** | 1 |
| **Purpose:** | To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments) |
| | Comments<br>1. SE is the last segment of each transaction set. |
| **Example:** | **SE*58*00100~** |

## ELEMENT SUMMARY

| USAGE | REF | ID | ELEMENT NAME | REQ | REPR | REP |
|---|---|---|---|---|---|---|
| Must Use | SE 01 | **96** | **Number of Included Segments**<br>Total number of segments included in a transaction set including ST and SE segments | M | N0 1/10 | 1 |
| Must Use | SE 02 | **329** | **Transaction Set Control Number**<br>Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | M | AN 4/9 | 1 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

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# 856

## Ship Notice/Manifest

## Business Use Case Examples

### 856 Ship Notice/Manifest

**Example 1: Direct Purchase Scenario** — Ship Notice for product sent by a manufacturer to a distributor where both parties are authorized as required under the Drug Supply Chain Security Act (DSCSA). This initial transaction initiates the "Transaction History" that will be used on all subsequent transactions where the product's ownership changes. In the following example the "Transaction Statement" housed in the YNQ segment is a simplified statement of compliance to which the trading partners have agreed.

Note: The content and other requirements for the transaction statement will not be known until additional FDA guidance is released, which is expected in November 2014.

The manufacturer, Brick Pharmaceutical, is sending an Advance Ship Notice (ASN) to the distributor, Mountain Wholesale Drug, to provide information regarding the order shipment. The ASN also facilitates the transfer of information from the manufacturer to the purchaser as required by the DSCSA. In accordance with the law the purchaser must receive this information prior to or at the time ownership is claimed.

Brick Pharmaceutical GS1 Company Prefix = 0309999
Brick Pharmaceutical HIN is HIN123400 and GLN is 0309999234569
Mountain Wholesale HIN is HIN567800 and GLN is 0367891234567

The pertinent shipment information is summarized below:
**Bill of Lading Number** C28785100029
**Shipment Date** 04/28/2014
**Expected Delivery Date** 04/29/2014
**Purchase Order Number** PO29878
**Purchase Order Date** 02/02/14
**Carrier** Common Carrier UPSC
**Trailer Number** 129953

REF             Segment Tag and Position Number
ID              Element ID
REQ             Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR            Elements Representation

# 856     Ship Notice/Manifest

**Sequential Segment Layout — Example 1**

The following is a narrative of each segment. The number on the left corresponds to the segment number.

| Seg. No. | Segment Name | Data Values |
|---|---|---|
| **1** | **TRANSACTION SET HEADER** | **ST** |
| ST01 | Transaction Set ID Code | 856 |
| ST02 | Transaction Set Control Number | 0102 |
| | | |
| **2** | **BEGINNING SEGMENT** | **BSN** |
| BSN01 | Transaction Set Purpose Code *(Original)* | 00 |
| BSN02 | Shipment Identification | 1832050-000114823 |
| BSN03 | Date *(CCYYMMDD)* | 20140428 |
| BSN04 | Time | 110056 |
| | | |
| **3** | **HIERARCHICAL LEVEL** | **HL** |
| HL01 | Hierarchical ID Number | 1 |
| HL03 | Hierarchical Level Code *(Shipment)* | S |
| HL04 | Hierarchical Child Code | 1 |
| | *(Additional Subordinate HL Data Segment in this Hierarchical Structure)* | |
| | | |
| **4** | **CARRIER DETAILS (QUANTITY AND WEIGHT)** | **TD1** |
| TD101 | Packaging Code *(Carton)* | CTN |
| TD102 | Lading Quantity | 1 |
| TD106 | Weight Qualifier *(Gross Weight)* | G |
| TD107 | Weight | 36 |
| TD108 | Unit or Basis for Measurement Code *(Pound)* | LB |
| | | |
| **5** | **CARRIER DETAILS (ROUTING SEQUENCE/TRANSIT TIME)** | **TD5** |
| TD502 | ID Code Qualifier *(Standard Carrier Alpha Code (SCAC))* | 2 |
| TD503 | ID Code | UPSC |
| | | |
| **6** | **REFERENCE IDENTIFICATION** | **REF** |
| REF01 | Reference Identification Qualifier *(Bill of Lading Number)* | BM |
| REF02 | Reference Identification | 000114823 |
| | | |
| **7** | **DATE/TIME REFERENCE** | **DTM** |
| DTM01 | Date/Time Qualifier *(Shipped)* | 011 |
| DTM02 | Date *(CCYYMMDD)* | 20140428 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856     Ship Notice/Manifest

| 8 | **DATE/TIME REFERENCE** | **DTM** |
|---|---|---|
| DTM01 | Date/Time Qualifier *(Current Schedule Delivery)* | 067 |
| DTM02 | Date *(CCYYMMDD)* | 20140429 |

| 9 | **NAME** | **N1** |
|---|---|---|
| N101 | Entity ID Code *(Ship To)* | ST |
| N102 | Name | MOUNTAIN WHOLESALE |
| N103 | ID Code Qualifier *(GLN)* | UL |
| N104 | ID Code | 0367891234567 |

| 10 | **ADDRESS INFORMATION** | **N3** |
|---|---|---|
| N301 | Address Information | 219 MAIN STREET |

| 11 | **GEOGRAPHIC LOCATION** | **N4** |
|---|---|---|
| N401 | City Name | CHICAGO |
| N402 | State or Province Code | IL |
| N403 | Postal Code | 60614 |

| 12 | **NAME** | **N1** |
|---|---|---|
| N101 | Entity ID Code *(Ship From)* | SF |
| N102 | Name | BRICK PHARMACEUTICAL |
| N103 | ID Code Qualifier *(GLN)* | UL |
| N104 | ID Code | 0309999234569 |

| 13 | **ADDRESS INFORMATION** | **N3** |
|---|---|---|
| N301 | Address Information | 1 BAKER BLVD |

| 14 | **GEOGRAPHIC LOCATION** | **N4** |
|---|---|---|
| N401 | City Name | AURORA |
| N402 | State or Province Code | IL |
| N403 | Postal Code | 60625 |

| 15 | **YES/NO QUESTION** | **YNQ** |
|---|---|---|
| YNQ01 | Condition Indicator | CX |
| YNQ02 | Yes/No Condition or Response Code | Y |
| YNQ05 | Free Format Message Text | DSCSA COMPLIANT |

| 16 | **HIERARCHICAL LEVEL** | **HL** |
|---|---|---|
| HL01 | Hierarchical ID Number | 2 |
| HL02 | Hierarchical Parent ID Number | 1 |
| HL03 | Hierarchical Level Code *(Order Level)* | O |
| HL04 | Hierarchical Child Code *(Additional Subordinate HL Data Segment in this Hierarchical Structure)* | 1 |

| 17 | **PURCHASE ORDER REFERENCE** | **PRF** |
|---|---|---|
| PRF01 | Purchase Order Number | PO29878 |
| PRF04 | Date | 20140202 |

---

| REF | Segment Tag and Position Number |
|---|---|
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

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## Ship Notice/Manifest

| 18 | **HIERARCHICAL LEVEL** | **HL** |
|---|---|---|
| HL01 | Hierarchical ID Number | 3 |
| HL02 | Hierarchical Parent ID Number | 2 |
| HL03 | Hierarchical Level Code *(Pack)* | P |
| HL04 | Hierarchical Child Code | 1 |
| | *(Additional Subordinate HL Data Segment in this Hierarchical Structure)* | |

| 19 | **MARKS AND NUMBERS** | **MAN** |
|---|---|---|
| MAN01 | Marks and Numbers Qualifier *(SSCC and Application Identifier)* | GM |
| MAN02 | Marks and Numbers *(for logistical movements only)* | 00103099991234567921 |

| 20 | **HIERARCHICAL LEVEL** | **HL** |
|---|---|---|
| HL01 | Hierarchical ID Number | 4 |
| HL02 | Hierarchical Parent ID Number | 3 |
| HL03 | Hierarchical Level Code *(Item)* | I |
| HL04 | Hierarchical Child Code | 0 |
| | *(No Subordinate HL Data Segment in this Hierarchical Structure)* | |

| 21 | **ITEM IDENTIFICATION** | **LIN** |
|---|---|---|
| LIN01 | Assigned Identification | 0001 |
| LIN02 | Product/Service ID Qualifier *(NDC)* | N4 |
| LIN03 | Product/Service ID | 09999166272 |
| LIN04 | Product/Service ID Qualifier *(Lot Number)* | LT |
| LIN05 | Product/Service ID | 418053C |

| 22 | **ITEM DETAIL (SHIPMENT)** | **SN1** |
|---|---|---|
| SN101 | Assigned Identification | 0001 |
| SN102 | Number of Units Shipped | 72 |
| SN103 | Unit or Basis for Measurement Code *(Each)* | EA |
| SN104 | Quantity Shipped to Date | 72 |
| SN105 | Quantity Ordered | 72 |
| SN106 | Unit or Basis for Measurement Code *(Each)* | EA |

| 23 | **Product/Item Description** | **PID** |
|---|---|---|
| PID01 | Item Description Type *(Free Form)* | F |
| PID05 | Description | IBUPROFEN TABLETS 300 MG 70 |

| 24 | **DATE/TIME REFERENCE** | **DTM** |
|---|---|---|
| DTM01 | Date/Time Qualifier *(Lot Number Expiration)* | 208 |
| DTM02 | Date *(CCYYMMDD)* | 20150531 |

| REF | Segment Tag and Position Number |
|---|---|
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

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# 856      Ship Notice/Manifest

| 25 | **TRANSACTION TOTALS** | **CTT** |
|---|---|---|
| CTT01 | Number of HL Segments | 4 |

| 26 | **TRANSACTION SET TRAILER** | **SE** |
|---|---|---|
| SE01 | Number of Included Segments | 26 |
| SE02 | Transaction Set Control Number | 0102 |

REF      Segment Tag and Position Number
ID      Element ID
REQ      Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR      Elements Representation

**CHDMA**

# 856      Ship Notice/Manifest

**Transmission File — Example 1**

| Seg.No. | Segment Data |
|---------|--------------|
| 1 | ST*856*0102~ |
| 2 | BSN*00*1832050-000114823*20140428*110056~ |
| 3 | HL*1**S*1~ |
| 4 | TD1*CTN*1****G*36*LB~ |
| 5 | TD5**2*UPSC~ |
| 6 | REF*BM*000114823~ |
| 7 | DTM*011*20140428~ |
| 8 | DTM*067*20140429~ |
| 9 | N1*ST*MOUNTAIN WHOLESALE*UL*0367891234567~ |
| 10 | N3*219 MAIN STREET~ |
| 11 | N4*CHICAGO*IL*60614~ |
| 12 | N1*SF*BRICK PHARMACEUTICAL*UL*0309999234569~ |
| 13 | N3*1 BAKER BLVD~ |
| 14 | N4*AURORA*IL*60625~ |
| 15 | YNQ*CX*Y*DSCSA COMPLIANT~ |
| 16 | HL*2*1*O*1~ |
| 17 | PRF* PO29878***20140202~ |
| 18 | HL*3*2*P*1~ |
| 19 | MAN*GM*00103099991234567921~ |
| 20 | HL*4*3*I*0~ |
| 21 | LIN*0001*N4*09999166272*LT*418053C~ |
| 22 | SN1*0001*72*EA*72*72*EA~ |
| 23 | PID*F****IBUPROFEN TABLETS 300 MG 70~ |
| 24 | DTM*208*20150531~ |
| 25 | CTT*4~ |
| 26 | SE*26*0102~ |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856

## Ship Notice/Manifest

### 856 Ship Notice/Manifest

**Example 2: Indirect Purchase Scenario** — Ship Notice for product sent by a distributor to a subsequent distributor that will ultimately sell to the dispenser, where both distributors are authorized as required under the DSCSA. The product was purchased directly from the original manufacturer, so omission of the lot number is allowed through the DSCSA. Although lot number is not required in this example, trading partners may find it a helpful way to exchange information. In the following example the "Transaction Statement" housed in the YNQ segment is a simplified statement of compliance to which the trading partners have agreed.

Note: The content and other requirements for the transaction statement will not be known until additional FDA guidance is released, which is expected in November 2014.

Mountain Wholesale purchased the products directly from the original manufacturer Brick Pharmaceutical, but Mountain Wholesale is not an exclusive distributor. Mountain Wholesale is now shipping to FRD Distributor. Mountain Wholesale at the time of shipment will create an 856 (ASN) for FRD Distributor containing the required DSCSA information. At the item level of this ASN, you will find an N1 loop for the original manufacturer (Brick Pharmaceutical). This N1 loop is for "Transaction History."

Brick Pharmaceutical GS1 Company Prefix = 0309999
Brick Pharmaceutical HIN is HIN123400 and GLN is 0309999234569
Mountain Wholesale HIN is HIN567800 and GLN is 0367891234567
FRD Distributor GLN is 0358743247214

The pertinent shipment information is summarized below:
**Bill of Lading Number** 1832050-000115111
**Shipment Date** 04/30/2014
**Expected Delivery Date** 05/01/2014
**Purchase Order Number** PO12125
**Purchase Order Date** 02/15/14
**Carrier** Common Carrier UPSC

REF         Segment Tag and Position Number
ID          Element ID
REQ         Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR        Elements Representation

**CHDMA**

# 856

## Ship Notice/Manifest

**Sequential Segment Layout — Example 2**

The following is a narrative of each segment. The number on the left corresponds to the segment number.

| Seg. No. | Segment Name | Data Values |
|---|---|---|
| **1** | **TRANSACTION SET HEADER** | **ST** |
| ST01 | Transaction Set ID Code | 856 |
| ST02 | Transaction Set Control Number | 0102 |
| **2** | **BEGINNING SEGMENT** | **BSN** |
| BSN01 | Transaction Set Purpose Code *(Original)* | 00 |
| BSN02 | Shipment Identification | 1832050-000115111 |
| BSN03 | Date *(CCYYMMDD)* | 20140428 |
| BSN04 | Time | 110056 |
| **3** | **HIERARCHICAL LEVEL** | **HL** |
| HL01 | Hierarchical ID Number | 1 |
| HL03 | Hierarchical Level Code *(Shipment)* | S |
| HL04 | Hierarchical Child Code *(Additional Subordinate HL Data Segment in this Hierarchical Structure)* | 1 |
| **4** | **CARRIER DETAILS (QUANTITY AND WEIGHT)** | **TD1** |
| TD101 | Packaging Code *(Carton)* | CTN |
| TD102 | Lading Quantity | 1 |
| TD106 | Weight Qualifier *(Gross Weight)* | G |
| TD107 | Weight | 36 |
| TD108 | Unit or Basis for Measurement Code *(Pound)* | LB |
| **5** | **CARRIER DETAILS (ROUTING SEQUENCE/TRANSIT TIME)** | **TD5** |
| TD502 | ID Code Qualifier *(Standard Carrier Alpha Code (SCAC))* | 2 |
| TD503 | ID Code | UPSC |
| **6** | **REFERENCE IDENTIFICATION** | **REF** |
| REF01 | Reference Identification Qualifier *(Bill of Lading Number)* | BM |
| REF02 | Reference Identification | 1832050-000115111 |
| **7** | **DATE/TIME REFERENCE** | **DTM** |
| DTM01 | Date/Time Qualifier *(Shipped)* | 011 |
| DTM02 | Date *(CCYYMMDD)* | 201400430 |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

# 856     Ship Notice/Manifest

| | | |
|---|---|---|
| **8** | **DATE/TIME REFERENCE** | **DTM** |
| DTM01 | Date/Time Qualifier | 067 |
| | *(Current Schedule Delivery)* | |
| DTM02 | Date *(CCYYMMDD)* | 20140501 |
| | | |
| **9** | **NAME** | **N1** |
| N101 | Entity ID Code *(Ship To)* | ST |
| N102 | Name | FRD DISTRIBUTOR |
| N103 | ID Code Qualifier *(GLN)* | UL |
| N104 | ID Code | 0358743247214 |
| | | |
| **10** | **ADDRESS INFORMATION** | **N3** |
| N301 | Address Information | 423 OAK STREET |
| | | |
| **11** | **GEOGRAPHIC LOCATION** | **N4** |
| N401 | City Name | CHICAGO |
| N402 | State or Province Code | IL |
| N403 | Postal Code | 60614 |
| | | |
| **12** | **NAME** | **N1** |
| N101 | Entity ID Code *(Ship From)* | SF |
| N102 | Name | MOUNTAIN WHOLESALE |
| N103 | ID Code Qualifier *(GLN)* | UL |
| N104 | ID Code | 0367891234567 |
| | | |
| **13** | **ADDRESS INFORMATION** | **N3** |
| N301 | Address Information | 219 MAIN STREET |
| | | |
| **14** | **GEOGRAPHIC LOCATION** | **N4** |
| N401 | City Name | CHICAGO |
| N402 | State or Province Code | IL |
| N403 | Postal Code | 60614 |
| | | |
| **15** | **YES/NO QUESTION** | **YNQ** |
| YNQ01 | Condition Indicator | CX |
| YNQ02 | Yes/No Condition or Response Code | Y |
| YNQ05 | Free Format Message Text | DSCSA COMPLIANT |
| | | |
| **16** | **HIERARCHICAL LEVEL** | **HL** |
| HL01 | Hierarchical ID Number | 2 |
| HL02 | Hierarchical Parent ID Number | 1 |
| HL03 | Hierarchical Level Code *(Order Level)* | O |
| HL04 | Hierarchical Child Code | 1 |
| | *(Additional Subordinate HL Data Segment in this Hierarchical Structure)* | |
| | | |
| **17** | **PURCHASE ORDER REFERENCE** | **PRF** |
| PRF01 | Purchase Order Number | PO12125 |
| PRF04 | Date | 20140215 |

REF     Segment Tag and Position Number
ID     Element ID
REQ     Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
REPR     Elements Representation

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## Ship Notice/Manifest

| 18 | **HIERARCHICAL LEVEL** | **HL** |
|---|---|---|
| HL01 | Hierarchical ID Number | 3 |
| HL02 | Hierarchical Parent ID Number | 2 |
| HL03 | Hierarchical Level Code *(Pack)* | P |
| HL04 | Hierarchical Child Code | 1 |
| | *(Additional Subordinate HL Data Segment in this Hierarchical Structure)* | |

| 19 | **MARKS AND NUMBERS** | **MAN** |
|---|---|---|
| MAN01 | Marks and Numbers Qualifier | GM |
| | *(SSCC and Application Identifier)* | |
| MAN02 | Marks and Numbers | 00103678912456789879 |
| | *(for logistical movements only)* | |

| 20 | **HIERARCHICAL LEVEL** | **HL** |
|---|---|---|
| HL01 | Hierarchical ID Number | 4 |
| HL02 | Hierarchical Parent ID Number | 3 |
| HL03 | Hierarchical Level Code *(Item)* | I |
| HL04 | Hierarchical Child Code | 0 |
| | *(No Subordinate HL Data Segment in this Hierarchical Structure)* | |

| 21 | **ITEM IDENTIFICATION** | **LIN** |
|---|---|---|
| LIN01 | Assigned Identification | 0001 |
| LIN02 | Product/Service ID Qualifier *(NDC)* | N4 |
| LIN03 | Product/Service ID | 09999166272 |

| 22 | **ITEM DETAIL (SHIPMENT)** | **SN1** |
|---|---|---|
| SN101 | Assigned Identification | 0001 |
| SN102 | Number of Units Shipped | 72 |
| SN103 | Unit or Basis for Measurement Code *(Each)* | EA |
| SN104 | Quantity Shipped to Date | 72 |
| SN105 | Quantity Ordered | 72 |
| SN106 | Unit or Basis for Measurement Code *(Each)* | EA |

| 23 | **Product/Item Description** | **PID** |
|---|---|---|
| PID01 | Item Description Type *(Free Form)* | F |
| PID05 | Description | IBUPROFEN TABLETS 300 MG 70 |

| 24 | **DATE/TIME REFERENCE** | **DTM** |
|---|---|---|
| DTM01 | Date/Time Qualifier *(Lot Number Expiration)* | 208 |
| DTM02 | Date *(CCYYMMDD)* | 20150531 |

| REF | Segment Tag and Position Number |
|---|---|
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

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| 25 | **NAME** | **N1** |
|---|---|---|
| N101 | Entity ID Code *(Original Manufacturer)* | MF |
| N102 | Name | BRICK PHARMACEUTICAL |
| N103 | ID Code Qualifier *(GLN)* | UL |
| N104 | ID Code | 0309999234569 |

| 26 | **ADDRESS INFORMATION** | **N3** |
|---|---|---|
| N301 | Address Information | 1 BAKER BLVD |

| 27 | **GEOGRAPHIC LOCATION** | **N4** |
|---|---|---|
| N401 | City Name | AURORA |
| N402 | State or Province Code | IL |
| N403 | Postal Code | 60625 |

| 28 | **REFERENCE IDENTIFICATION** | **REF** |
|---|---|---|
| REF01 | Reference Identification Qualifier *(Delivery Reference)* | KK |
| REF02 | Reference Identification | 2010428 |
| REF03 | Description | 1832050-000114823 |

| 29 | **TRANSACTION TOTALS** | **CTT** |
|---|---|---|
| CTT01 | Number of HL Segments | 4 |

| 30 | **TRANSACTION SET TRAILER** | **SE** |
|---|---|---|
| SE01 | Number of Included Segments | 30 |
| SE02 | Transaction Set Control Number | 0102 |

| REF | Segment Tag and Position Number |
|---|---|
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

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## Ship Notice/Manifest

**Transmission File — Example 2**

| Seg.No. | Segment Data |
|---|---|
| 1 | ST*856*0102~ |
| 2 | BSN*00*1832050-000115111*20140428*110056~ |
| 3 | HL*1**S*1~ |
| 4 | TD1*CTN*1****G*36*LB~ |
| 5 | TD5*O*2*UPSC~ |
| 6 | REF*BM*1832050-000115111~ |
| 7 | DTM*011*20140430~ |
| 8 | DTM*067*20140501~ |
| 9 | N1*ST*FRD DISTRIBUTOR*UL*0358743247214~ |
| 10 | N3*423 OAK STREET~ |
| 11 | N4*CHICAGO*IL*60614~ |
| 12 | N1*SF* MOUNTAIN WHOLESALE*UL*0367891234567~ |
| 13 | N3*219 MAIN STREET~ |
| 14 | N4* CHICAGO*IL*60614~ |
| 15 | YNQ*CX*Y*DSCSA COMPLIANT~ |
| 16 | HL*2*1*O*1~ |
| 17 | PRF* PO12125***20140215~ |
| 18 | HL*3*2*T*1~ |
| 19 | MAN*GM*00103678912456789879~ |
| 20 | HL*4*3*I*0~ |
| 21 | LIN*0001*N4*09999166272~ |
| 22 | SN1*0001*72*EA*72*72*EA~ |
| 23 | PID*F****IBUPROFEN TABLETS 300MG 70~ |
| 24 | DTM*208*20150531~ |
| 25 | N1*MF* BRICK PHARMACEUTICAL*UL*0309999234569~ |
| 26 | N3*1 BAKER BLVD~ |
| 27 | N4*AURORA*IL*60625~ |
| 28 | REF*KK*2010428*1832050-000114823~ |
| 29 | CTT*4~ |
| 30 | SE*28*0102~ |

| | |
|---|---|
| REF | Segment Tag and Position Number |
| ID | Element ID |
| REQ | Requirement (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent) |
| REPR | Elements Representation |

901 North Glebe Road, Suite 1000
Arlington, VA  22203
Phone: (703) 787-0000  Fax: (703) 812-5282
www.HealthcareDistribution.org

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