Ship Notice/Manifest
(856)

Advance Shipping Notice
(Incoming)

(This page intentionally left blank)

Ship Notice/Manifest – 856
Advance Shipping Notice (Incoming)

Functional Group ID=SH

Introduction

This standard provides the format and data contents of the Huf North America Ship Notice/Manifest Transaction Set (856) transaction within the context of an electronic data interchange (EDI) environment. The ship notice/manifest lists the contents of a shipment of goods, as well as additional information relating to the shipment, such as order information, product identification, physical characteristics, type of packaging, markings, carrier information, and configuration of goods within the transportation equipment.

The transaction set enables the sender to describe the contents and configuration of a shipment in various levels of detail and provides an ordered flexibility to convey information. The sender of this transaction is the organization responsible for detailing and communicating the contents of a shipment, or shipments, to one or more receivers of the transaction set. The receiver of this transaction set can be any organization having an interest in the contents of a shipment or information about the contents of a shipment.

HUFNA uses the Transaction Set 856 of the ANSI X.12 Standard, Version 003050. Each HUFNA 856 will contain only one transaction set (ST/SE) containing one shipment HL segment and up to 200 item HL segments.

HUFNA will provide a Functional Acknowledgement (997) in response to each Ship Notice/Manifest (856) received from a supplier.

Separators. The segment separator is an apostrophe ('). The element separator is an asterisk (*).

Transmission Time Frame. Suppliers are to transmit 856 documents to HUFNA on the same day as shipment.

LIST OF EFFECTIVE CHANGES

CHANGE NUMBER	DATE	SUMMARY
0	12/14/2007	Original publication.

HUFNA 856 LOOPING CONVENTION

```
ISA                     (Interchange control header)
GS                      (Functional group header)
ST                      (Transaction set header)
BSN                     (Beginning segment)
DTM                     (Shipment date/time)
DTM                     (Expected arrival date/time)

HL                      (Shipment hierarchical level) (Max of 1 per 856)
MEA                     (Shipment net weight)
TD1                     (Shipment quantity)
TD5                     (Transport data)
TD3                     (Equipment data)
REF                     (Supplier packing list data)
REF                     (Delivery dock information)

N1/N1                   (Supplier's name)
N1/N1                   (Ship-to name)
N1/N4                   (Ship-to location)
N1/FOB                  (Payment method)
```

HL LOOP (ITEM LEVEL) (Max of 200 per 856)

```
   +---> HL             (Item hierarchical level)
   |     LIN            (HUFNA part/contract/release/seller's part numbers)
   +<--- SN1            (Qty shipped, total qty shipped, total qty ordered)
```

END HL LOOP (ITEM LEVEL)

```
CTT                     (Total HL segments in transaction set)
SE                      (Transaction set trailer - total segments in set)
GE                      (Function group trailer - total transaction sets)
IEA                     (Interchange control trailer)
```

SAMPLE HUFNA 856 (INCOMING)

```
ISA*00*          *00*          *ZZ*YOURID         *01*927644294      *070911
*1535*U*00200*000000819*0*P*>'
GS*SH*SUPPLIER*927644294*070911*1535*819*X*003050'

ST*856*2044'                                      (Transaction Set Header & Control Number)
BSN*00*12234*070911*1530'                         (Advice Note Number, Document creation date/time)
DTM*011*070911*1500'                              (Shipment date/time)
DTM*017*070914*1700'                              (Expected arrival date/time)
HL*1**S'                                          (Shipment hierarchical level)
MEA*PD*N*480*KG'                                  (Net weight of shipment)
TD1*PCS*128'                                      (Total pieces in shipment)
TD5**2*AVRT*M'                                    (SCAC and type of transport)
TD3*TL*AVRT*11179'                                (Equipment type and vehicle identification)
REF*PK*124821A'                                   (Supplier's packing list number)
REF*DK*5'                                         (HUFNA dock number where shipment will be delivered)
N1*SU*ACME SUPPLY CO*92*ACMESU'                   (Supplier's name and HUFNA-assigned abbreviation)
N1*ST*HUF NORTH AMERICA*92*HUFNA'                 (Ship-to company name and abbreviation)
N4*GREENEVILLE*TN*37743'                          (City/state/zip where shipment will be delivered)
FOB*PP'                                           (Payment method)
HL*2*1*I'                                         (Item hierarchical level)
LIN**BP*36.901.613*CR*100002*RN*243847*VP*85234'  (HUFNA part/contract/release/seller's part numbers)
SN1*2*32*EA*128*160*EA'                           (Units shipped, total qty shipped, total qty ordered)
HL*3*1*I'                                         (Item hierarchical level)
LIN**BP*36.902.613*CR*100003*RN*243848*VP*83244'  (HUFNA part/contract/release/seller's part numbers)
SN1*3*32*EA*64*96*EA'                             (Units shipped, total qty shipped, total qty ordered)
HL*4*1*I'                                         (Item hierarchical level)
LIN**BP*36.903.604S*CR*100020*RN*243843*VP*81126'(HUFNA part/contract/release/seller's part numbers)
SN1*4*32*EA*96*128*EA'                            (Units shipped, total qty shipped, total qty ordered)
HL*5*1*I'                                         (Item hierarchical level)
LIN**BP*36.903.605S*CR*100043*RN*243822*VP*89993'(HUFNA part/contract/release/seller's part numbers)
SN1*5*32*EA*128*160*EA'                           (Units shipped, total qty shipped, total qty ordered)
CTT*5'                                            (Total number of HL segments in Transaction Set)
SE*30*2044'                                       (Total number of segments in Transaction Set, Control No.)

GE*1*819'
IEA*1*000000819'
```

NOTE: See Interchange Control Structure section for instructions on completing ISA, GS, GE, & IEA segments.

Segment: **ST** **Transaction Set Header**
Loop: N/A
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number.

Data Element Summary

	Ref Des.	Data Element	Name	Attributes
M	**ST01**	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set 856 – Ship Notice/Manifest	**M ID 3/3**
M	**ST02**	**329**	**Transaction Set Control Number** 1-999999999	**M AN 4/9**

Example:

```
ST*856*2044'
```

Segment: **BSN** **Beginning Segment for Ship Notice**
Loop: N/A
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set.

Data Element Summary

	Ref Des.	Data Element	Name	Attributes
M	**BSN01**	**353**	**Transaction Set Purpose Code** Code identifying purpose of transaction set. 00 - Original 01 - Cancellation 05 – Replacement	**M ID 2/2**
M	**BSN02**	**396**	**Shipment Identification** A unique control number assigned by the original shipper to identify a specific shipment. This number must not be repeated within a one year period when BSN01 is "00". Hufna's EDI software restricts length of entry to 10 characters. (Supplier's ASN release number)	**M AN 2/10**
M	**BSN03**	**373**	**Date** YYMMDD – ASN creation date.	**M DT 6/6**
M	**BSN04**	**337**	**Time** HHMM – ASN creation time expressed in 24-hour clock time (time range: 0000 though 2359).	**M TM 4/4**

Example:

```
BSN*00*12234*070911*1530'
```

Segment: **DTM** **Date/Time/Period**
Loop: N/A
Usage: Mandatory
Max Use: 1
Purpose: To specify pertinent dates and times.

Data Element Summary

	Ref Des.	Data Element	Name	Attributes
M	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time of shipment. 011 – Shipped	**M ID 3/3**
M	**DTM02**	**373**	**Date** YYMMDD – Shipment date.	**M DT 6/6**
M	**DTM03**	**337**	**Time** HHMM – Shipment expressed in 24-hour clock time (time range: 0000 though 2359).	**M TM 4/4**

Example:

```
DTM*011*070911*1500'
```

Segment: **DTM** **Date/Time/Period**
Loop: N/A
Usage: Mandatory
Max Use: 1
Purpose: To specify pertinent dates and times.

Data Element Summary

	Ref Des.	Data Element	Name	Attributes
M	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time of shipment. 017 – Expected Arrival	**M ID 3/3**
M	**DTM02**	**373**	**Date** YYMMDD – Expected arrival date.	**M DT 6/6**
M	**DTM03**	**337**	**Time** HHMM – Arrival time expressed in 24-hour clock time (time range: 0000 though 2359).	**M TM 4/4**

Example:

```
DTM*017*070914*1700'
```

Segment: **HL** **Hierarchical Level (Shipment Loop)**
Loop: HL - Shipment
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments.

Data Element Summary

	Ref Des.	Data Element	Name	Attributes
M	**HL01**	**628**	**Hierarchical ID Number** 1 – Always for shipment loop	**M AN 1/12**
M	**HL03**	**735**	**Hierarchical Level Code** S – Shipment	**M ID 1/2**

Example:

```
HL*1**S'
```

Segment: **MEA** **Measurements**
Loop: HL
Usage: Mandatory
Max Use: 1
Purpose: To specify physical measurements, including dimension tolerances, weights and counts.

Data Element Summary

	Ref Des.	Data Element	Name	Attributes
M	**MEA01**	**737**	**Measurement Reference ID Code** Code specifying the application of physical measurement cited. PD - Physical Dimensions	**M ID 2/2**
M	**MEA02**	**738**	**Measurement Qualifier** N - Net Weight	**M ID 1/3**
M	**MEA03**	**739**	**Measurement Value** Net weight of parts in kilograms.	**M R 1/10**
M	**MEA04**	**355**	**Unit or Basis for Measurement Code** KG - Kilograms	**M ID 2/2**

Example:

```
MEA*PD*N*480*KG'
```

Segment: **TD1** **Carrier Details (Quantity and Weight)**
Loop: HL
Usage: Mandatory
Max Use: 1
Purpose: To specify the transportation details relative to commodity, weight, and quantity.

Data Element Summary

	Ref Des.	Data Element	Name	Attributes
M	**TD101**	**103**	**Packaging Code** PCS – Pieces	**M ID 1/5**
M	**TD102**	**80**	**Lading Quantity** Number of pieces in shipment	**M N0 1/7**

Example:

```
TD1*PCS*128'
```

Segment: **TD5** **Carrier Details (Routing Sequence/Transit Time)**
Loop: HL
Usage: Mandatory
Max Use: 1
Purpose: To specify the carrier and sequence of routing and provide transit time information.

Data Element Summary

	Ref Des.	Data Element	Name	Attributes
M	**TD502**	**66**	**Identification Code Qualifier** 2 – Standard Carrier Alpha Code (SCAC)	**M ID 2/2**
M	**TD503**	**67**	**Identification Code** SCAC for Carrier transporting shipment	**M AN 2/20**
M	**TD504**	**91**	**Transportation Method/Type Code** A – Air M – Motor (Common Carrier) R – Rail S – Ocean H – Customer Pickup	**M ID 1/2**

Example:

```
TD5**2*AVRT*M'
```

Segment: **TD3** **Carrier Details (Equipment)**
Loop: HL
Usage: Mandatory
Max Use: 1
Purpose: To specify transportation details relating to the equipment used by the carrier.

Data Element Summary

	Ref Des.	Data Element	Name	Attributes
M	**TD301**	**40**	**Equipment Description Code** Code identifying type of equipment used for shipment. AC - Aircraft CN - Container (Ship) RR - Rail TL - Trailer	**M ID 2/2**
M	**TD302**	**206**	**Equipment Initials** SCAC Code	**M AN 1/4**
M	**TD303**	**207**	**Equipment Number** Serial/ID number of container, trailer or rail car	**M AN 1/10**

Example:

```
TD3*TL*AVRT*11179'
```

Segment: **REF** **Reference Numbers**
Loop: HL
Usage: Mandatory
Max Use: 1
Purpose: To specify numbers identifying the shipment.

Data Element Summary

	Ref Des.	Data Element	Name	Attributes
M	**REF01**	**128**	**Reference Number Qualifier** Code qualifying the Reference Number. PK - Supplier's packing list number	**M ID 2/2**
M	**REF02**	**127**	**Reference Number** Supplier's packing list number	**M AN 1/30**

Example:

```
REF*PK*124821A'
```

Segment: **REF** **Reference Numbers**
Loop: HL
Usage: Mandatory
Max Use: 1
Purpose: To specify numbers identifying the shipment.

Data Element Summary

	Ref Des.	Data Element	Name	Attributes
M	**REF01**	**128**	**Reference Number Qualifier** Code qualifying the Reference Number. DK - Buyer's dock number	**M ID 2/2**
M	**REF02**	**127**	**Reference Number** HUFNA's dock number 1 – Milwaukee, WI 5 – Greeneville, TN	**M AN 1/30**

Example:

```
REF*DK*5'
```

Segment: **N1** **Name**
Loop: N1
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code.

Data Element Summary

	Ref Des.	Data Element	Name	Attributes
M	**N101**	**98**	**Entity Identifier Code** SU - Supplier	**M ID 2/2**
M	**N102**	**93**	**Name** Supplier company's name	**M AN 1/35**
M	**N103**	**66**	**Identification Code Qualifier** 92 - Code assigned by HUFNA	**M ID 1/2**
M	**N104**	**67**	**Identification Code** Supplier code assigned by HUFNA	**M AN 6/6**

Example:

```
N1*SU*ACME SUPPLY CO*92*ACMESU'
```

Segment: **N1** **Name**
Loop: N1
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code.

Data Element Summary

	Ref Des.	Data Element	Name	Attributes
M	**N101**	**98**	**Entity Identifier Code** ST - Ship-To	**M ID 2/2**
M	**N102**	**93**	**Name** HUF NORTH AMERICA	**M AN 1/35**
M	**N103**	**66**	**Identification Code Qualifier** 92 - Code assigned by HUFNA	**M ID 1/2**
M	**N104**	**67**	**Identification Code** HUFNA	**M AN 5/5**

Example:

```
N1*ST*HUF NORTH AMERICA*92*HUFNA'
```

Segment: **N4** **Geographic Location (of Ship-To)**
Loop: N1
Usage: Mandatory
Max Use: 1
Purpose: To provide city, state and zip code of HUFNA site.

Data Element Summary

	Ref Des.	Data Element	Name	Attributes
M	**N401**	**19**	**Ship-To City Name**	**M AN 2/30**
M	**N402**	**156**	**Ship-To State**	**M ID 2/2**
M	**N403**	**116**	**Ship-To Postal Code**	**M ID 3/11**

Example:

```
N4+GREENEVILLE+TN+37743'
```

Segment: **FOB** **F.O.B. Related Instructions**
Loop: N1
Usage: Mandatory
Max Use: 1
Purpose: To specify FOB information for customs purposes.

Data Element Summary

	Ref Des.	Data Element	Name	Attributes
M	**FOB01**	**146**	**Shipment Method of Payment** Code identifying payment terms for transportation charges. CC - Collect PP - Prepaid (by Seller)	**M ID 2/2**

Example:

```
FOB*PP'
```

Segment: **HL** **Hierarchical Level (Item Loop)**
Loop: HL - Item
Usage: Mandatory
Max Use: 200 (1 for each HUFNA Part Number being shipped)
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments.

Data Element Summary

	Ref Des.	Data Element	Name	Attributes
M	**HL01**	**628**	**Hierarchical ID Number** Sequence Number (2 and above)	**M AN 1/12**
M	**HL02**	**734**	**Hierarchical Parent ID Number** Always "1" for Shipment level	**M AN 1/12**
M	**HL03**	**735**	**Hierarchical Level Code** I - Item Level	**M ID 1/2**

Example:

```
HL*2*1*I'
```

Segment: **LIN** **Item Identification**
Loop: HL - Item
Usage: Mandatory
Max Use: 1 for each HL – Item segment
Purpose: To specify basic item identification data on HUFNA items being shipped.

Note: HUF North America uses contract numbers instead of order numbers for purchase schedules. Schedules are tracked by the Release Number associated with a particular part's contract number.

Data Element Summary

	Ref Des.	Data Element	Name	Attributes
M	**LIN02**	**235**	**Product/Service ID Qualifier** BP - Buyer's Part Number	**M ID 2/2**
M	**LIN03**	**234**	**Product/Service ID** HUFNA Part Number	**M AN 1/40**
M	**LIN04**	**235**	**Product/Service ID Qualifier** CR - Contract Number	**M ID 2/2**
M	**LIN05**	**234**	**Product/Service ID** HUFNA Contract Number for this part	**M AN 1/40**
M	**LIN06**	**235**	**Product/Service ID Qualifier** RN - Release Number	**M ID 2/2**
M	**LIN07**	**234**	**Product/Service ID** HUFNA Release Number for this part	**M AN 1/40**
M	**LIN08**	**235**	**Product/Service ID Qualifier** VP - Vendor's Part Number	**M ID 2/2**
M	**LIN09**	**234**	**Product/Service ID** Seller's Part Number	**M AN 1/40**

Example:

```
LIN**BP*36.901.613*CR*100002*RN*243847*VP*85234'
```

Segment: **SN1** **Item Detail (Shipment)**
Loop: HL - Item
Usage: Mandatory
Max Use: 1 for each HL – Item segment
Purpose: Identifies line-item detail for the shipment.

Data Element Summary

	Ref Des.	Data Element	Name	Attributes
M	**SN101**	**350**	**Assigned Identification** Use the Sequence Number from current HL segment	**M AN 1/11**
M	**SN102**	**382**	**Number of Units Shipped** Number of units shipped	**M R 1/10**
M	**SN103**	**355**	**Unit or Basis for Measurement Code** EA - Individual pieces	**M ID 2/2**
M	**SN104**	**646**	**Quantity Shipped to Date** Total number of units shipped to date	**M R 1/9**
M	**SN105**	**330**	**Quantity Ordered** Total number of units ordered to date	**M R 1/9**
M	**SN106**	**355**	**Unit or Basis for Measurement Code** EA - Individual pieces	**M ID 2/2**

Example:

```
SN1*2*32*EA*128*160*EA'
```

Segment: **CTT** **Transaction Totals**
Loop: None
Usage: Mandatory
Max Use: 1
Purpose: Total number of item lines in transaction set.

Data Element Summary

	Ref Des.	Data Element	Name	Attributes
M	**CTT01**	**354**	**Number of Line Items** Total number of line items in the transaction set (number of HL segments).	**M N0 1/6**

Example:

```
CTT*5'
```

Segment: **SE** **Transaction Set Trailer**
Loop: None
Usage: Mandatory
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).

Data Element Summary

	Ref Des.	Data Element	Name	Attributes
M	**SE01**	**96**	**Number of Included Segments**	**M N0 1/10**
M	**SE02**	**329**	**Transaction Set Control Number** Same as position ST02 in ST segment.	**M AN 4/9**

Example:

```
SE*30*2044'
```