



X12 Implementation Guideline - USS Outside Processing

Shipping Notice **Example 856-3, Outbound From Processor**

X12 856 Format

HEADER AREA

Transaction Set Header

ST*856*0001
Transaction Set Identifier Code (143)
ST01 856 Ship Notice / Manifest
Transaction Set Control Number (329)
ST02 0001

Beginning Segment for Ship Notice

BSN*00*B06751*20000219*1754 Transaction Set Purpose Code (353)
BSN01 00 Original See 856-1 for acceptable codes
Shipment Identification (396)
BSN02 B06751 Reference Number
Date (373)
BSN03 20000219 Transaction Create Date
Time (337)
BSN04 1754 Transaction Create Time

Date/Time Reference

DTM*011*20000219*1652*ES
Date/Time Qualifier (374)
DTM01 011 Shipped
Date (373)
DTM02 20000219 Activity Date
Time (337)
DTM03 1652 Activity Time
Time Code (623)
DTM04 ES Eastern Standard



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Shipping Notice **Example 856-3, Outbound From Processor**

DETAIL AREA - Shipment Level

Hierarchical Level

HL*1**S*1
Hierarchical ID Number (628)
HL01 1
Hierarchical Level Code (735)
HL03 S Shipment
Hierarchical Child Code (736)
HL04 1

Carrier Details (Quantity & Weight)

TD1*COL52*2****G*15660*LB (LIF52 for Cut-to-Length)
Packaging Code (103)
TD101 COL52 Coils
Lading Quantity (80)
TD102 2 2 Coils on load
Weight Qualifier (187)
TD106 G Gross Weight
Weight (81)
TD107 15660 Weight
Unit or Basis for Measurement Code (355)
TD108 LB Pounds

Carrier Details (Quantity & Weight)

TD1*COL52*2****CD*230*LB
Packaging Code (103)
TD101 COL52 Coils
Lading Quantity (80)
TD102 2 2 Coils on load
Weight Qualifier (187)
TD106 CD Chargeable Dunnage
Weight (81)
TD107 230 Weight
Unit or Basis for Measurement Code (355)
TD108 LB Pounds

Carrier Details (Quantity & Weight)

TD1*COL52*2****ND*100*LB
Packaging Code (103)
TD101 COL52 Coils
Lading Quantity (80)
TD102 2 2 Coils on load
Weight Qualifier (187)
TD106 ND Non Chargeable Dunnage
Weight (81)
TD107 100 Weight
Unit or Basis for Measurement Code (355)
TD108 LB Pounds

Carrier Details (Routing Sequence/Transit Time) (See 856-1 for Rail)

TD5*O*2*HTLI*M*HTL, Inc*CL
Routing Sequence Code (133)
TD501 0 Origin Carrier
Identification Code Qualifier (66)
TD502 2 SCAC Code
Identification Code (67)
TD503 HTLI Carriers SCAC Code



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Example 856-3, Outbound From Processor

Transportation Method/Type Code (91)
TD504 M Transportation Method - Motor
Routing (387)
TD505 HTL, Inc. Carrier's Name
Shipment/Order Status Code (368)
TD506 CL Complete



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Carrier Details (Equipment) (See 856-1 for Rail)

TD3*TL**T-2202
Equipment Description Code (40)
TD301 TL Truck
Equipment Number (207)
TD303 T-2202 Trailer Identification

Reference Numbers

REF*MA*B06751

Reference Number Qualifier (128)
REF01 MA Ship Notice/Manifest Number (USS Pre-Assigned Shipper Number. USS Plant
Unique)
Reference Number (127)
REF02 B06751

Reference Numbers

REF*BM*164340

Reference Number Qualifier (128)
REF01 BM Bill of Lading Number (OP Assigned) BOL for shipment to customer or next
OP)
Reference Number (127)
REF02 164340

Reference Numbers

REF*AO*A340

Reference Number Qualifier (128)
REF01 AO Appointment Number
Reference Number (127)
REF02 A340

Reference Numbers

REF*CT*1234

Reference Number Qualifier (128)
REF01 CT Contract Number
Reference Number (127)
REF02 1234

Reference Numbers

REF*AQ*ABCD

Reference Number Qualifier (128)
REF01 AQ Carrier Password
Reference Number (127)
REF02 ABCD

Date/Time Reference

DTM*002*20000219*1652*ES

Date/Time Qualifier (374)
DTM01 002 Appointment Date
Date (373)
DTM02 20000219 Appointment Date
Time (337)
DTM03 1652 Appointment Time
Time Code (623)
DTM04 ES Eastern Standard

F.O.B. Related Instructions

FOB*PP

Shipment Method of Payment (146)



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Example 856-3, Outbound From Processor

FOB01 PP Transportation Liability - Prepaid by Mill PO = Prepaid

Name

N1*MF1*004024741**

Entity Identifier Code (98)

N101 MF Steel Producer

Identification Code Qualifier (66)

N103 1 DUNs Number

Identification Code (67)

N104 004024741 USS Fairfield Works

Name

N1*OU1*004029294**

Entity Identifier Code (98)

N101 OU Outside Processor

Identification Code Qualifier (66)

N103 1 DUNs Number

Identification Code (67)

N104 004029294

Name

N1*Sf1*004029294**

Entity Identifier Code (98)

N101 SF Shipped From

Identification Code Qualifier (66)

N103 1 DUNs Number

Identification Code (67)

N104 004029294



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Example 856-3, Outbound From Processor

Name

N1*ST**1*005135892
Entity Identifier Code (98)
N101 ST Ship To
Identification Code Qualifier (66)
N103 1 DUNs Number
Identification Code (67)
N104 005135892

DETAIL AREA - Order Level

Hierarchical Level

HL*2*1*O*1
Hierarchical ID Number (628)
HL01 2
Hierarchical Parent ID Number (734)
HL02 1
Hierarchical Level Code (735)
HL03 0 Order
Hierarchical Child Code (736)
HL04 1

Item Detail Identification

LIN**VO*CJ59531*VN*001
Product/Service ID Qualifier (235)
LIN02 VO Order Number - Intended Ship USS Mill Order #
Product/Service ID (234)
LIN03 CJ59531
Product/Service ID Qualifier (235)
LIN04 VN Order Item Number - Intended Ship USS Mill Order Item #
Product/Service ID (234)
LIN05 001

DETAIL AREA - Item Level

Hierarchical Level

HL*3*2*I
Hierarchical ID Number (628)
HL01 3
Hierarchical Parent ID Number (734)
HL02 2
Hierarchical Level Code (735)
HL03 I Item



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Example 856-3, Outbound From Processor

Item Detail Identification

LIN**SN*P127472*HN*C08133*
Product/Service ID Qualifier (235)
LIN02 SN Material Identification - USS
Product/Service ID (234)
LIN03 P127472
Product/Service ID Qualifier (235)
LIN04 HN Heat Number
Product/Service ID (234)
LIN05 C08133

Product/Item Identification

PID*S*MAC*ST*01***67
Item Description Type (349)
PID01 S
Product/Process Characteristic Code (750)
PID02 MAC Material Classification
Agency Qualifier Code (559)
PID03 ST Steel Code tables
Production Description Code (751)
PID04 01 Prime
Source Subqualifier (822)
PID07 67 Steel Table 67

Product/Item Identification

PID*S*MA*ST*1***70
Item Description Type (349)
PID01 S
Product/Process Characteristic Code (750)
PID02 MA Material Status - Outside Processor
Agency Qualifier Code (559)
PID03 ST Steel Code tables
Production Description Code (751)
PID04 1 Ready To Ship
Source Subqualifier (822)
PID07 70 Steel Table 70

Product/Item Identification

PID*S*22*ST*06***22
Item Description Type (349)
PID01 S
Product/Process Characteristic Code (750)
PID02 22 Edge Treatment
Agency Qualifier Code (559)
PID03 ST Steel Code tables
Production Description Code (751)
PID04 06 Sheared Edge
Source Subqualifier (822)
PID07 22 Steel Table 22

Measurements See 856-1 for metric UOM qualifiers for following MEA's

MEA*WT*WT*7715*01
Measurement Reference ID Code (737)
MEA01 WT Weights
Measurement Qualifier (738)
MEA02 WT Weight
Measurement Value (739)



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Example 856-3, Outbound From Processor

MEA03	7715	
Unit or Basis for Measurement Code (355)		
MEA04	01	Pounds



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Shipping Notice **Example 856-3, Outbound From Processor**

Measurements

MEA*PD*TH*00.0920*ED
Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 TH Thickness
Measurement Value (739)
MEA03 00.0920
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements

MEA*PD*WD*16.7500*ED
Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 WD Width
Measurement Value (739)
MEA03 16.7500
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements

MEA*PD*LN*1369*LF
Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 LN Length
Measurement Value (739)
MEA03 1369
Unit or Basis for Measurement Code (355)
MEA04 LF Lineal Feet

Measurements

MEA*PD*ID*24.00*ED
Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 ID Inside Diameter
Measurement Value (739)
MEA03 24.00
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements

MEA*PD*OD*52.00*ED
Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 OD Outside Diameter
Measurement Value (739)
MEA03 52.00
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Reference Numbers

REF*SE*CF540326
Reference Number Qualifier (128)
REF01 SE Serial Number



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Example 856-3, Outbound From Processor

Reference Number (127)
REF02 CF540326

Date/Time Reference

DTM*206*20000126*1600*ES

Date/Time Qualifier (374)

DTM01 206 Status (Outside Processor)

Date (373)

DTM02 20000126 Activity Date

DETAIL AREA - Item Level

Hierarchical Level

HL*4*2*I

Hierarchical ID Number (628)

HL01 4

Hierarchical Parent ID Number (734)

HL02 2

Hierarchical Level Code (735)

HL03 I Item

Item Detail Identification

LIN**SN*P127473*HN*C08133*

Product/Service ID Qualifier (235)

LIN02 SN Material Identification - USS

Product/Service ID (234)

LIN03 P127473

Product/Service ID Qualifier (235)

LIN04 HN Heat Number

Product/Service ID (234)

LIN05 C08133

Product/Item Identification

PID*S*MAC*ST*01***67

Item Description Type (349)

PID01 S

Product/Process Characteristic Code (750)

PID02 MAC Material Classification

Agency Qualifier Code (559)

PID03 ST Steel Code tables

Production Description Code (751)

PID04 01 Prime

Source Subqualifier (822)

PID07 67 Steel Table 67



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Shipping Notice

Example 856-3, Outbound From Processor

Product/Item Identification

PID*S*MA*ST*1***70
Item Description Type (349)
PID01 S
Product/Process Characteristic Code (750)
PID02 MA Material Status - Outside Processor
Agency Qualifier Code (559)
PID03 ST Steel Code tables
Production Description Code (751)
PID04 1 Ready To Ship
Source Subqualifier (822)
PID07 70 Steel Table 70

Product/Item Identification

PID*S*22*ST*06***22
Item Description Type (349)
PID01 S
Product/Process Characteristic Code (750)
PID02 22 Edge Treatment
Agency Qualifier Code (559)
PID03 ST Steel Code tables
Production Description Code (751)
PID04 06 Sheared Edge
Source Subqualifier (822)
PID07 22 Steel Table 22

Measurements See 856-1 for metric UOM qualifiers for following MEA's

MEA*WT*WT*7715*01
Measurement Reference ID Code (737)
MEA01 WT Weights
Measurement Qualifier (738)
MEA02 WT Weight
Measurement Value (739)
MEA03 7715
Unit or Basis for Measurement Code (355)
MEA04 01 Pounds

Measurements

MEA*PD*TH*00.0920*ED
Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 TH Thickness
Measurement Value (739)
MEA03 00.0920
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements

MEA*PD*WD*16.7500*ED
Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 WD Width
Measurement Value (739)
MEA03 16.7500
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches



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Shipping Notice

Example 856-3, Outbound From Processor

Measurements

MEA*PD*LN*1369*LF

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 LN Length
Measurement Value (739)
MEA03 1369
Unit or Basis for Measurement Code (355)
MEA04 LF Lineal Feet

Measurements

MEA*PD*ID*24.00*ED

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 ID Inside Diameter
Measurement Value (739)
MEA03 24.00
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements

MEA*PD*OD*52.00*ED

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 OD Outside Diameter
Measurement Value (739)
MEA03 52.00
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Reference Numbers

REF*SE*CF540327

Reference Number Qualifier (128)
REF01 SE Serial Number
Reference Number (127)
REF02 CF540327

Date/Time Reference

DTM*206*20000126*1600*ES

Date/Time Qualifier (374)
DTM01 206 Status (Outside Processor)
Date (373)
DTM02 20000126 OP Status Date



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Shipping Notice **Example 856-3, Outbound From Processor**

Summary Area

Transaction Totals

CTT*4

Number of Line Items (354)

CTT01	4	Total Number of HL Segments One Shipment (S), One Order (O), Two Item (I)
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Transaction Set Trailer

SE*43*0001

Number of Included Segments (96)

SE01	43	Total number of segments in the transaction including the ST and SE segments
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Transaction Set Control Number (329)

SE02	0001	Transaction Set Control Number. Same as ST02 in the Transaction Set Header segment.
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