



X12 Implementation Guideline - USS Outside Processing

Shipping Notice

Example 856-2, Inbound to Processor (OP sourced)

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*D53190*20000214*1754
Transaction Set Purpose Code (353)
BSN01 00 Original See 856-1 for acceptable codes
Shipment Identification (396)
BSN02 D53190 Reference Number
Date (373)
BSN03 20000214 Transaction Create Date
Time (337)
BSN04 1754 Transaction Create Time

Date/Time Reference

DTM*011*20000124*1652*ES
Date/Time Qualifier (374)
DTM01 011 Shipped
Date (373)
DTM02 20000124 Activity Date
Time (337)
DTM03 1652 Activity Time
Time Code (623)
DTM04 ES Eastern Standard Time



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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*92510*LB
Packaging Code (103)
TD101 COL52 Coils LIF52 Cut-to-length
Lading Quantity (80)
TD102 2 2 Coils on load
Weight Qualifier (187)
TD106 G Gross Weight
Weight (81)
TD107 92510 Weight
Unit or Basis for Measurement Code (355)
TD108 LB Pounds

Carrier Details (Routing Sequence/Transit Time)

TD5*O*2*FOSL*M*Four Star*CL See 856-1 if Rail Shipment
Routing Sequence Code (133)
TD501 0 Origin Carrier
Identification Code Qualifier (66)
TD502 2 SCAC Code
Identification Code (67)
TD503 FOSL Carriers SCAC Code
Transportation Method/Type Code (91)
TD504 M Transportation Method - Motor
Routing (387)
TD505 Four Star Carrier's Name
Shipment/Order Status Code (368)
TD506 CL Complete

Carrier Details (Equipment) See 856-1 if Rail Shipment

TD3*TL**F54
Equipment Description Code (40)
TD301 TL Truck
Equipment Number (207)
TD303 F54 r Trailer Identification

Reference Numbers

REF*MA*D53190
Reference Number Qualifier (128)
REF01 MA Ship Notice/Manifest Number (US Steel Pre-Assigned Shipper Number Unique
by USS Plant))
Reference Number (127)
REF02 D53190



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Example 856-2, Inbound to Processor (OP sourced)

Reference Numbers

REF*BM*053190

Reference Number Qualifier (128)

REF01 BM Bill of Lading Number (OP Assigned Previous OP)

Reference Number (127)

REF02 053190

F.O.B. Related Instructions

FOB*PP

Shipment Method of Payment (146)

FOB01 PP Transportation Liability - Prepaid by Mill PO = Prepaid

Name

N1*MF**1*005444062

Entity Identifier Code (98)

N101 MF Steel Producer

Identification Code Qualifier (66)

N103 1 DUNs Number

Identification Code (67)

N104 005444062 USS Gary Works

Name

N1*OU**1*147757470

Entity Identifier Code (98)

N101 OU Outside Processor

Identification Code Qualifier (66)

N103 1 DUNs Number

Identification Code (67)

N104 147757470

Name

N1*Sf**1*101567972

Entity Identifier Code (98)

N101 SF Shipped From

Identification Code Qualifier (66)

N103 1 DUNs Number

Identification Code (67)

N104 101567972

Name

N1*ST**1*147757470

Entity Identifier Code (98)

N101 ST Ship To

Identification Code Qualifier (66)

N103 1 DUNs Number

Identification Code (67)

N104 147757470



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Example 856-2, Inbound to Processor (OP sourced)

DETAIL AREA - Order Level

Hierarchical Level

HL*2*1*0*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*JZ30878*VN*003
Product/Service ID Qualifier (235)
LIN02 VO Order Number - Intended Ship US Steel Mill Order Number
Product/Service ID (234)
LIN03 JZ30878
Product/Service ID Qualifier (235)
LIN04 VN Order Item Number - Intended Ship USD Steel Mill Order Item Number
Product/Service ID (234)
LIN05 003

Measurements (See 856-1 For Acceptable metric UOM qualifiers for following MEA's)

MEA*OD*TH*00.0310*ED
Measurement Reference ID Code (737)
MEA01 OD Ordered Dimensions
Measurement Qualifier (738)
MEA02 TH Thickness
Measurement Value (739)
MEA03 00.0310
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements

MEA*OD*WD*72.0000*ED
Measurement Reference ID Code (737)
MEA01 OD Ordered Dimensions
Measurement Qualifier (738)
MEA02 WD Width
Measurement Value (739)
MEA03 72.0000
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements

MEA*OD*LN*48.5000*ED
Measurement Reference ID Code (737)
MEA01 OD Ordered Dimensions
Measurement Qualifier (738)
MEA02 LN Length
Measurement Value (739)
MEA03 48.5000
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches (Cut-to-length)

Reference Numbers



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Example 856-2, Inbound to Processor (OP sourced)

REF*PO*15064
Reference Number Qualifier (128)
REF01 PO Customer Order Number
Reference Number (127)
REF02 15064

Reference Numbers

REF*PM*F65B 15211A10 722
Reference Number Qualifier (128)
REF01 PM Customer Part Number
Reference Number (127)
REF02 F65B 15211A10 722

Reference Numbers

REF*QP*123456
Reference Number Qualifier (128)
REF01 QP Customer Part Number - Bar Code
Reference Number (127)
REF02 123456

Name

N1*MF**92*U505K
Entity Identifier Code (98)
N101 MF Steel Producer
Identification Code Qualifier (66)
N103 92 Assigned by Buyer
Identification Code (67)
N104 U505K

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

Item Detail Identification

LIN**SN*W118655*HN*D20237
Product/Service ID Qualifier (235)
LIN02 SN Material Identification - USS
Product/Service ID (234)
LIN03 W118655
Product/Service ID Qualifier (235)
LIN04 HN Heat Number
Product/Service ID (234)
LIN05 D20237

Product/Item Identification

PID*S*MAC*ST*01***67
Item Description Type (349)
PID01 S
Product/Process Characteristic Code (750)
PID02 MAC Material Classification



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Example 856-2, Inbound to Processor (OP sourced)

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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Example 856-2, Inbound to Processor (OP sourced)

Measurements (See 856-1 For Acceptable metric UOM qualifiers for following MEA's)

MEA*WT*WT*57970*01

Measurement Reference ID Code (737)
MEA01 WT Weights
Measurement Qualifier (738)
MEA02 WT Weight
Measurement Value (739)
MEA03 57970
Unit or Basis for Measurement Code (355)
MEA04 01 Pounds

Measurements

MEA*PD*TH*00.0313*ED

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 TH Thickness
Measurement Value (739)
MEA03 00.0313
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements

MEA*PD*WD*72.0600*ED

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 WD Width
Measurement Value (739)
MEA03 72.0600
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements

MEA*PD*LN*7496*LF

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 LN Length
Measurement Value (739)
MEA03 7496
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*65.30*ED

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions



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Example 856-2, Inbound to Processor (OP sourced)

Measurement Qualifier (738)
MEA02 OD Outside Diameter
Measurement Value (739)
MEA03 65.30
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Reference Numbers

REF*SE*G776400
Reference Number Qualifier (128)
REF01 SE Serial Number (Previous Processor Material ID)
Reference Number
REF02 G776400

DETAIL AREA - Item Level See above for any revisions/additions/comments

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*W150354*HN*Y00796
Product/Service ID Qualifier (235)
LIN02 SN Material Identification - USS
Product/Service ID (234)
LIN03 W150354
Product/Service ID Qualifier (235)
LIN04 HN Heat Number
Product/Service ID (234)
LIN05 Y00796

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

Measurements

MEA*WT*WT*34550*01
Measurement Reference ID Code (737)
MEA01 WT Weights
Measurement Qualifier (738)
MEA02 WT Weight
Measurement Value (739)
MEA03 34550



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Example 856-2, Inbound to Processor (OP sourced)

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

Measurements

MEA*PD*TH*00.0320*ED

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 TH Thickness
Measurement Value (739)
MEA03 00.0320
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements

MEA*PD*WD*36.0000*ED

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 WD Width
Measurement Value (739)
MEA03 36.0000
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements

MEA*PD*LN*8427*LF

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 LN Length
Measurement Value (739)
MEA03 8427
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*69.70*ED

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 OD Outside Diameter
Measurement Value (739)
MEA03 69.70
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Reference Numbers



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Example 856-2, Inbound to Processor (OP sourced)

REF*SE*G776653
Reference Number Qualifier (128)
REF01 SE Serial Number (Previous Processor Material ID)
Reference Number
REF02 G776653

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)

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
Transaction Set Control Number (329)
SE02 0001 Transaction Set Control Number. Same as ST02
in the Transaction Set Header segment.