



X12 Implementation Guideline - USS Outside Processing

Shipping Notice

Example 856-4, Outbound from Processor (Combination)

NOTE:

See 856-3 for segment usage to convey: Chargeable Dunnage, Non-chargeable Dunnage, Customer Appointment Number/Date/Time, Contract Number and Carrier Password. These requirements may be applicable to Shipment transactions 856-4 thru 856-5 and should be included when applicable.

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*N76154*20000219*1754
Transaction Set Purpose Code (353)
BSN01 00 Original
Shipment Identification (396)
BSN02 N76154 Reference Number
Date (373)
BSN03 20000219 Transaction Create Date
Time (337)
BSN04 1754 Transaction Create Time



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Example 856-4, Outbound from Processor (Combination)

Date/Time Reference

DTM*011*20000219*0544*ES
Date/Time Qualifier (374)
DTM01 011 Shipped
Date (373)
DTM02 20000219 Activity Date
Time (337)
DTM03 0544 Activity Time
Time Code (623)
DTM04 ES Eastern Standard Time

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

Measurements

MEA*CT*NOR*2*EA
Measurement Reference ID Code (737)
MEA01 CT Counts
Measurement Qualifier (738)
MEA02 NOR Number of References
Measurement Value (739)
MEA03 2 (Number of USS Pre-assigned shipment numbers on load)
Unit or Basis for Measurement Code (355)
MEA04 EA Each

Carrier Details (Quantity & Weight) TD1*COL52*2****G*25310*LB

Packaging Code (103)
TD101 COL52 Coils LIF52 if cut-to-length
Lading Quantity (80)
TD102 2 2 Coils on load
Weight Qualifier (187)
TD106 G Gross Weight
Weight (81)
TD107 25310 Weight
Unit or Basis for Measurement Code (355)
TD108 LB Pounds

Carrier Details (Quantity & Weight)

TD1*****A*50610*LB
TD106 A Consolidated Weight
Weight (81)
TD107 50610 Weight Total weight of load - all steel producers combined weight
Unit or Basis for Measurement Code (355)
TD108 LB Pounds



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

TD5*O*2*DPMF*M*DETROIT-PITTS MOTOR*CT
Routing Sequence Code (133)
TD501 O Origin Carrier
Identification Code Qualifier (66)
TD502 2 SCAC Code
Identification Code (67)
TD503 DPMF Carriers SCAC Code
Transportation Method/Type Code (91)
TD504 M Transportation Method - Motor
Routing (387)
TD505 Detroit-Pi.. Carrier's Name
Shipment / Order Status Code (368)
TD506 CT Combination Key field to indicate shipment is combination load

Carrier Details (Equipment) See 856-1 if Rail

TD3*TL**139 A B
Equipment Description Code (40)
TD301 TL Truck
Equipment Number (207)
TD303 139 A B Trailer Identification

Reference Numbers

REF*MA*N76154
REF01 MA Ship Notice / Manifest Number (US Steel PreAssigned Shipper Number.
Unique by USS Plant)
REF02 N76154

Reference Numbers

REF*BM*181309
REF01 BM Bill of Lading Number (OP Assigned) - Not Available w/ Compord
REF02 01235

Reference Numbers

REF*MB*50-CB4242
Reference Number Qualifier (128)
REF01 MB Master Bill of Lading Covering combined load
Reference Number (127)
REF02 50-CB4242

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



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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*147757470
Entity Identifier Code (98)
N101 SF Shipped From
Identification Code Qualifier (66)
N103 1 DUNs Number
Identification Code (67)
N104 147757470

Name

N1*ST**1*005356894
Entity Identifier Code (98)
N101 ST Ship To
Identification Code Qualifier (66)
N103 1 DUNs Number
Identification Code (67)
N104 005356894

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*JA24995*VN*001
Product/Service ID Qualifier (235)
LIN02 VO Order Number - Intended Ship USS Mill Order #
Product/Service ID (234)
LIN03 JA24995
Product/Service ID Qualifier (235)
LIN04 VN Order Item Number - Intended Ship USS Mill Order Item #
Product/Service ID (234)
LIN05 001



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Example 856-4, Outbound from Processor (Combination)

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*U769011*HN*D04130

Product/Service ID Qualifier (235)

LIN02 SN Material Identification - USS

Product/Service ID (234)

LIN03 U769101

Product/Service ID Qualifier (235)

LIN04 HN Heat Number

Product/Service ID (234)

LIN05 D04130

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



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Example 856-4, Outbound from Processor (Combination)

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

MEA*WT*WT*12660*01

Measurement Reference ID Code (737)
MEA01 WT Weights
Measurement Qualifier (738)
MEA02 WT Weight
Measurement Value (739)
MEA03 12660
Unit or Basis for Measurement Code (355)
MEA04 01 Pounds

Measurements

MEA*PD*TH*00.0591*ED

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 TH Thickness
Measurement Value (739)
MEA03 00.0591
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements

MEA*PD*WD*17.4000*ED

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 WD Width
Measurement Value (739)
MEA03 17.4000
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements

MEA*PD*LN*3513*LF

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 LN Length
Measurement Value (739)
MEA03 3513
Unit or Basis for Measurement Code (355)
MEA04 LF Lineal Feet

Measurements

MEA*WT*WT*12270*24

Measurement Reference ID Code (737)
MEA01 WT Weights
Measurement Qualifier (738)
MEA02 WT Weights
Measurement Value (739)
MEA03 12270
Unit or Basis for Measurement Code (355)
MEA04 24 Theoretical Pounds

Reference Numbers

REF*SE*466936

Reference Number Qualifier (128)
REF01 SE Serial Number



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Example 856-4, Outbound from Processor (Combination)

Reference Number	
REF02	466936



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Example 856-4, Outbound from Processor (Combination)

Date/Time Reference

DTM*206*20000219

Date/Time Qualifier (374)

DTM01 206 Status (Outside Processor)

Date (373)

DTM02 20000219 OP Status 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*U769102*HN*D04130*

Product/Service ID Qualifier (235)

LIN02 SN Material Identification - USS

Product/Service ID (234)

LIN03 U769102

Product/Service ID Qualifier (235)

LIN04 HN Heat Number

Product/Service ID (234)

LIN05 D04130

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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Example 856-4, Outbound from Processor (Combination)

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

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

MEA*WT*WT*12650*01
Measurement Reference ID Code (737)
MEA01 WT Weights
Measurement Qualifier (738)
MEA02 WT Weight
Measurement Value (739)
MEA03 12650
Unit or Basis for Measurement Code (355)
MEA04 01 Pounds

Measurements

MEA*PD*TH*00.0591*ED
Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 TH Thickness
Measurement Value (739)
MEA03 00.0591
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements

MEA*PD*WD*17.4000*ED
Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 WD Width
Measurement Value (739)
MEA03 17.4000
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches



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Example 856-4, Outbound from Processor (Combination)

Measurements

MEA*PD*LN*3510*LF
Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 LN Length
Measurement Value (739)
MEA03 3510
Unit or Basis for Measurement Code (355)
MEA04 LF Lineal Feet

Measurements

MEA*WT*WT*12270*24
Measurement Reference ID Code (737)
MEA01 WT Weights
Measurement Qualifier (738)
MEA02 WT Weights
Measurement Value (739)
MEA03 12270
Unit or Basis for Measurement Code (355)
MEA04 24 Theoretical Pounds

Reference Numbers

REF*SE*466935
Reference Number Qualifier (128)
REF01 SE Serial Number
Reference Number
REF02 466935

Date/Time Reference

DTM*206*20000219
Date/Time Qualifier (374)
DTM01 206 Status (Outside Processor)
Date (373)
DTM02 20000219 OP Status Date

NOTE: New transaction (ST, BSN ... through SE) required for second load on combination load if the combination is a combination of multiple USS Plants. Else separate ASN would be sent to other Steel producer).

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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Example 856-4, Outbound from Processor (Combination)

Transaction Set Trailer

SE*42*0001

Number of Included Segments (96)

SE01 42 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.