



X12 Implementation Guideline - USS Outside Processing

Inventory Inquiry / Advice ***Example 846-1***

NTE segment may be sent at header or detail level. Periodically used to convey freeform text applicable to material received; i.e. Damage notes, etc

X12 846 Format

HEADER AREA

Transaction Set Header

ST*846*0001
Transaction Set Identifier Code (143)
ST01 846 X.12 Inventory Inquiry / Advice
Transaction Set Control Number (329)
ST02 0001

Beginning Segment for Inventory Inquiry / Advice

BIA*00*AA*00175*20000119*0916*4
Status Report Code (353)
BIA01 00 Original
Order / Item Code (755)
BIA02 AA Agent Inventory Report (OP Inventory Report)
Reference Number (127)
BIA03 00175
Date (373)
BIA04 20000129 Transaction Creation Date
Time (337)
BIA05 0916 Transaction Creation Time
Action Code (306)
BIA06 4 Verify

Date/Time Reference

DTM*184*20000129*0916*ES (Business date/time - Inventory as of: date/time)
Date/Time Qualifier (374)
DTM01 184 Inventory
Date (373)
DTM02 20000129
Time (337)
DTM03 0916
Time Code (623)
DTM04 ES

Name

N1*MF**1* 005444062
Entity Identifier Code (98)
N101 MF Metal Producer
Identification Code Qualifier (66)
N103 1 DUNS Number
Identification Code (67)
N104 005444062 US Steel Gary Works

Name

N1*OU**1*161884648
Entity Identifier Code (98)
N101 OU Outside Processor
Identification Code Qualifier (66)
N103 1 DUNS Number
Identification Code (67)
N104 161884648



X12 Implementation Guideline - USS Outside Processing

Inventory Inquiry / Advice ***Example 846-1***

DETAIL AREA

Item Detail Identification

LIN*0001*VO*UET00635*VN*01*SN*GE564998201*HN*Y06329

Assigned Identification (350) Increment by 1 for each subsequent line item

LIN01 0001

Product/Service ID Qualifier (235)

LIN02 VO Order Number - Intended Ship US Steel Mill Order #

Product/Service ID (234)

LIN03 UET00635

Product/Service ID Qualifier (235)

LIN04 VN Order Item Number - Intended Ship US Steel Mill Order Item #

Product/Service ID (234)

LIN05 01

Product/Service ID Qualifier (235)

LIN06 SN Serial Number

Product/Service ID (234)

LIN07 GE564998201

Product/Service ID Qualifier (235)

LIN08 HN Heat Number

Product/Service ID (234)

LIN09 Y06329

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



X12 Implementation Guideline - USS Outside Processing

Inventory Inquiry / Advice **Example 846-1**

Product/Item Identification

PID*S*MA*ST*1***70
Item Description Type (349)
PID01 S
Product/Process Characteristic Code (750)
PID02 MA Outside Processor Status
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*QAS*ST*4***68 (Only required when material is received from steel producer on QA Status)
Item Description Type (349)
PID01 S
Product/Process Characteristic Code (750)
PID02 QAS Material Classification QA
Agency Qualifier Code (559)
PID03 ST Steel Code Tables
Production Description Code (751)
PID04 4 Do Not Process Without QA Release
Source Subqualifier (822)
PID07 68 Steel Table 68

Product/Item Identification

PID*S*CMS*ST*4***69 (Only required when material is received from steel producer on Commercial Dept Status)
Item Description Type (349)
PID01 S
Product/Process Characteristic Code (750)
PID02 CMS Material Classification Commercial Dept
Agency Qualifier Code (559)
PID03 ST Steel Code Tables
Production Description Code (751)
PID04 4 Customer work stoppage
Source Subqualifier (822)
PID07 69 Steel Table 69

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

MEA*WT*WT*24170*01
Measurement Reference ID Code (737)
MEA01 WT Weights
Measurement Qualifier (738)
MEA02 WT Weight
Measurement Value (739)
MEA03 24170
Unit or Basis for Measurement Code (355)
MEA04 01 Pounds

Measurements

MEA*WT*WT*23477*24
Measurement Reference ID Code (737)
MEA01 WT Weights
Measurement Qualifier (738)
MEA02 WT Weight
Measurement Value (739)
MEA03 23477
Unit or Basis for Measurement Code (355)



X12 Implementation Guideline - USS Outside Processing

Inventory Inquiry / Advice *Example 846-1*

MEA04 24 Theoretical Pounds
Measurements
MEA*PD*TH*00.0505*ED
Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 TH Thickness
Measurement Value (739)
MEA03 00.0505
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements
MEA*PD*WD*34.5000*ED
Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 WD Width
Measurement Value (739)
MEA03 34.5000
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches



X12 Implementation Guideline - USS Outside Processing

Inventory Inquiry / Advice ***Example 846-1***

Measurements

MEA*PD*LN*4085*LF
Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 LN Length
Measurement Value (739)
MEA03 4085
Unit or Basis for Measurement Code (355)
MEA04 LF Lineal Feet

Date/Time Reference

DTM*206*20000119* 0917*ES (Originally published as '009' in error)
Date/Time Qualifier (374)
DTM01 206 Material Status - Outside Processor
Date (373)
DTM02 20000119
Time (337)
DTM03 0917
Time Code (623)
DTM04 ES

Date/Time Reference

DTM*105*20000119 (Only required when PID sent with QA Status - Ties to PID referencing Table 68)
Date/Time Qualifier (374)
DTM01 105 QA Status Date
Date (373)
DTM02 20000119



X12 Implementation Guideline - USS Outside Processing

Inventory Inquiry / Advice ***Example 846-1***

Date/Time Reference

DTM*207*20000119 (Only required when PID sent with Commercial Status - Ties to PID referencing Table 69)

Date/Time Qualifier (374)

DTM01 207 Commercial Status Date

Date (373)

DTM02 20000119

Reference Numbers

REF*SE*402044 (Not required for material in transit to OP. OP may have received ASN but not physically received material)

Reference Number Qualifier (128)

REF01 SE Serial Number - Processor Current Material ID

Reference Number

REF02 402044

REF*RV*112233 (Addition to original publication)

Reference Number Qualifier (128)

REF RV Serial Number - Previous Processor Material ID

Reference Number

REF 112233

DETAIL AREA 0002

Item Detail Identification

LIN*0002*VO*UET00635*VN*01*SN*GE564998202*HN*Y06329

Assigned Identification (350)

LIN01 0002 Increment by 1 for each subsequent line item

Product/Service ID Qualifier (235)

LIN02 VO Order Number - Intended Ship US Steel Mill Order #

Product/Service ID (234)

LIN03 UET00635

Product/Service ID Qualifier (235)

LIN04 VN Order Item Number - Intended Ship US Steel Mill Order Item #

Product/Service ID (234)

LIN05 01

Product/Service ID Qualifier (235)

LIN06 SN Serial Number

Product/Service ID (234)

LIN07 GE564998202

Product/Service ID Qualifier (235)

LIN08 HN Heat Number

Product/Service ID (234)

LIN09 Y06329



X12 Implementation Guideline - USS Outside Processing

Inventory Inquiry / Advice **Example 846-1**

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 Outside Processor Status
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 metric UOM qualifiers for following MEA's

MEA*WT*WT*24170*01
Measurement Reference ID Code (737)
MEA01 WT Weights
Measurement Qualifier (738)
MEA02 WT Weight
Measurement Value (739)
MEA03 24170
Unit or Basis for Measurement Code (355)
MEA04 01 Pounds

Measurements

MEA*WT*WT*23477*24
Measurement Reference ID Code (737)
MEA01 WT Weights
Measurement Qualifier (738)
MEA02 WT Weight
Measurement Value (739)
MEA03 23477
Unit or Basis for Measurement Code (355)
MEA04 24 Theoretical Pounds

Measurements

MEA*PD*TH*00.0505*ED
Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 TH Thickness
Measurement Value (739)
MEA03 00.0505
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches



X12 Implementation Guideline - USS Outside Processing

Inventory Inquiry / Advice ***Example 846-1***

Measurements

MEA*PD*WD*34.5000*ED
Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 WD Width
Measurement Value (739)
MEA03 34.5000
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements

MEA*PD*LN*4085*LF
Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 LN Length
Measurement Value (739)
MEA03 4085
Unit or Basis for Measurement Code (355)
MEA04 LF Lineal Feet

Date/Time Reference

DTM*206*20000129*0917*ES
Date/Time Qualifier (374)
DTM01 206 Material Status - Outside Processor
Date (373)
DTM02 20000129
Time (337)
DTM03 0917
Time Code (623)
DTM04 ES

Reference Numbers

REF*SE*402044
Reference Number Qualifier (128)
REF01 SE Serial Number - Processors Current Material ID
Reference Number
REF02 402045



X12 Implementation Guideline - USS Outside Processing

Inventory Inquiry / Advice ***Example 846-1***

DETAIL AREA - 0003

Item Detail Identification

LIN*0003*VO*UET00635*VN*01*SN*GE571146202*HN*M05475

Assigned Identification (350)

LIN01 0003 Increment by 1 for each subsequent line item

Product/Service ID Qualifier (235)

LIN02 VO Order Number - Intended Ship US Steel Mill Order #

Product/Service ID (234)

LIN03 UET00635

Product/Service ID Qualifier (235)

LIN04 VN Order Item Number - Intended Ship US Steel Mill Order Item #

Product/Service ID (234)

LIN05 01

Product/Service ID Qualifier (235)

LIN06 SN Serial Number

Product/Service ID (234)

LIN07 GE571146202

Product/Service ID Qualifier (235)

LIN08 HN Heat Number

Product/Service ID (234)

LIN09 M05475

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 Outside Processor Status

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 metric UOM qualifiers for following MEA's

MEA*WT*WT*21725*01

Measurement Reference ID Code (737)

MEA01 WT Weights

Measurement Qualifier (738)

MEA02 WT Weight

Measurement Value (739)

MEA03 21725

Unit or Basis for Measurement Code (355)



X12 Implementation Guideline - USS Outside Processing

Inventory Inquiry / Advice **Example 846-1**

MEA04 01 Pounds

Measurements
MEA*WT*WT*21138*24

Measurement Reference ID Code (737)
MEA01 WT Weights
Measurement Qualifier (738)
MEA02 WT Weight
Measurement Value (739)
MEA03 21138
Unit or Basis for Measurement Code (355)
MEA04 24 Theoretical Pounds

Measurements
MEA*PD*TH*00.0669*ED

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 TH Thickness
Measurement Value (739)
MEA03 00.0669
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements
MEA*PD*WD*31.2500*ED

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 WD Width
Measurement Value (739)
MEA03 31.2500
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements
MEA*PD*LN*3061*LF

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 LN Length
Measurement Value (739)
MEA03 3061
Unit or Basis for Measurement Code (355)
MEA04 LF Lineal Feet

Date/Time Reference
DTM*206*20000129*0917*ES

Date/Time Qualifier (374)
DTM01 206 206 Material Status - Outside Processor
Date (373)
DTM02 20000129
Time (337)
DTM03 0917
Time Code (623)
DTM04 ES



X12 Implementation Guideline - USS Outside Processing

Inventory Inquiry / Advice **Example 846-1**

REF*SE*406275
Reference Number Qualifier (128)
REF01 SE Serial Number - Processors Current Material ID
Reference Number
REF02 406275

DETAIL AREA - 0004

Item Detail Identification
LIN*0004*VO*UET00635*VN*01*SN*GE571146201*HN*M05475
Assigned Identification (350)
LIN01 0004 Increment by 1 for each subsequent line item
Product/Service ID Qualifier (235)
LIN02 VO Order Number - Intended Ship US Steel Mill Order #
Product/Service ID (234)
LIN03 UET00635
Product/Service ID Qualifier (235)
LIN04 VN Order Item Number - Intended Ship US Steel Mill Order Item #
Product/Service ID (234)
LIN05 01
Product/Service ID Qualifier (235)
LIN06 SN Serial Number
Product/Service ID (234)
LIN07 GE571146201
Product/Service ID Qualifier (235)
LIN08 HN Heat Number
Product/Service ID (234)
LIN09 M05475

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 Outside Processor Status
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



X12 Implementation Guideline - USS Outside Processing

Inventory Inquiry / Advice **Example 846-1**

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

MEA*WT*WT*21725*01

Measurement Reference ID Code (737)
MEA01 WT Weights
Measurement Qualifier (738)
MEA02 WT Weight
Measurement Value (739)
MEA03 21725
Unit or Basis for Measurement Code (355)
MEA04 01 Pounds

Measurements

MEA*WT*WT*21138*24

Measurement Reference ID Code (737)
MEA01 WT Weights
Measurement Qualifier (738)
MEA02 WT Weight
Measurement Value (739)
MEA03 21138
Unit or Basis for Measurement Code (355)
MEA04 24 Theoretical Pounds

Measurements

MEA*PD*TH*00.0669*ED

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 TH Thickness
Measurement Value (739)
MEA03 00.0669
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements

MEA*PD*WD*31.2500*ED

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 WD Width
Measurement Value (739)
MEA03 31.2500
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements

MEA*PD*LN*3061*LF

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 LN Length
Measurement Value (739)
MEA03 3061
Unit or Basis for Measurement Code (355)
MEA04 LF Lineal Feet



X12 Implementation Guideline - USS Outside Processing

Inventory Inquiry / Advice ***Example 846-1***

Date/Time Reference

DTM*206*20000129*0917*ES

Date/Time Qualifier (374)

DTM01 206 Material Status - Outside Processor

Date (373)

DTM02 20000129

Time (337)

DTM03 0917

Time Code (623)

DTM04 ES

Reference Numbers

REF*SE*413202

Reference Number Qualifier (128)

REF01 SE Serial Number - Processors Current Material ID

Reference Number

REF02 413202

Summary Area

Transaction Totals

CTT*4**91790*LB

Number of Line Items (354)

CTT01 4 Total Number of Line Items

CTT03 & CTT04 in original publication conveying hash total of inventory weight not

Required

Transaction Set Trailer

SE*56*0001

Number of Included Segments (96)

SE01 56 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.