



X12 Implementation Guideline - USS Outside Processing

Order Status Report - Production Reporting - Normal Example 870-6, Production - Multiple Charge / Build-Up

NOTE:

See 870-3 for segment usage to convey: production next step, production line unit, production discharge time, edge treatment, theoretical weight formula, weight gain/loss identified at production time and damage type/fault. These requirements may be applicable to any of the production transactions 870-4 thru 870-7 and should be included when applicable.

See 870-5 for segment usage to convey: Relative production processing step when multiple processing steps are performed. Again, these additional segments are required when applicable.

Note Segment can be provided at the Header or Detail Level for free-form information.

X12 870 Format

HEADER AREA

Transaction Set Header

ST*870*0001
Transaction Set Identifier Code (143)
ST01 870 X12 Order Status Report
Transaction Set Control Number (329)
ST02 0001

Beginning Segment for Order Status Report

BSR*2*PP*00123*20000206***0317
Transaction Set Purpose Code (850)
BSR01 2 Rearranged Schedule or Agreement
Order Item Code (847)
BSR02 PP Selected Orders - Selected Items Build-up
Reference Number (127)
BSR03 00123
Date (373)
BSR04 20000206 Transaction Create Date
Time (337)
BSR07 0317 Transaction Create Time

Name

N1*MF**1*005444062
Entity Identifier Code (98)
N101 MF Metals Producer
Identification Code Qualifier (66)
N103 1 DUNs Number
Identification Code (67)
N104 005444062 US Steel 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

DETAIL AREA - Order Level

Hierarchical Level



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

Purchase Order Reference

PRF*EQ02135***20000206
Purchase Order Number (324) USS work order with OP
PRF01 EQ02135
Purchase Order Date (323)
PRF04 20000206

DETAIL AREA - Component Level (Discharge Item Description)

Hierarchical Level

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

Reference Numbers

REF*SE*471095
Reference Number Qualifier (128)
REF01 SE Serial Number Discharge Material ID
Reference Number (127)
REF02 471095 OP Material ID (Discharge)

Date/Time Reference

DTM*009*20000206*0317*ES
Date/Time Qualifier (374)
DTM01 009 Process Business Event - Activity Date/Time
Date (373)
DTM02 20000206
Time (337)
DTM03 0317
Time Code (623)
DTM04 ES



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Date/Time Reference

DTM*206*20000206*0317*ES
Date/Time Qualifier (374)
DTM01 206 OP Status Date
Date (373)
DTM02 20000206
Time (337)
DTM03 0317
Time Code (623)
DTM04 ES

Baseline Item Data

PO1**1*UN***VO*EQ02135*VN*001*HN*Y00462*SN*U771550
Quantity Ordered (330)
PO12 1
Unit or Basis for Measurement Code
PO13 UN Unit
Product/Service ID Qualifier (235)
PO106 VO Order Number - Intended Ship USS Mill Order #
Product/Service ID (234)
PO107 EQ02135
Product/Service ID Qualifier (235)
PO108 VN Order Item Number - Intended Ship USS Mill Order Item #
Product/Service ID (234)
PO109 001
Product/Service ID Qualifier (235)
PO110 HN Heat Number
Product/Service ID (234)
PO111 Y00462
Product/Service ID Qualifier (235)
PO112 SN Material Identification - USS
Note: Discharge SN is that of last charge-in lift
Product/Service ID (234)
PO113 U771550

PID*S*PR*ST*27*66**

Item Description Type (349)
PID01 S
Product/Process Characteristic Code (750)
PID02 PR Manufacturing Process
Agency Qualifier Code (559)
PID03 ST Steel Code tables
Production Description Code (751)
PID04 27 Buildup
Source Subqualifier (822)
PID07 66 Steel Table 66

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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Product/Item Identification

PID*S*MA*ST*7***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*8395*01

Measurement Reference ID Code (737)
MEA01 WT Weights
Measurement Qualifier (738)
MEA02 WT Weight
Measurement Value (739)
MEA03 8395
Unit or Basis for Measurement Code (355)
MEA04 01 Pounds

Measurements

MEA*PD*TH*00.0315*ED

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 TH Thickness
Measurement Value (739)
MEA03 00.0315
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements

MEA*PD*WD*67.9900*ED

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 WD Width
Measurement Value (739)
MEA03 67.9900
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements

MEA*PD*LN*40.0000*ED

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 LN Length
Measurement Value (739)
MEA03 40.0000
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches



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Measurements

MEA*CT*NL*338*PC
Measurement Reference ID Code (737)
MEA01 CT Counts
Measurement Qualifier (738)
MEA02 NL
Measurement Value (739)
MEA03 338
Unit or Basis for Measurement Code (355)
MEA04 PC Number of Pieces

DETAIL AREA - Item Level (Charge Item Description)

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

Reference Numbers

REF*RV*471095-2
Reference Number Qualifier (128)
REF01 RV OP Prior Identity 1st Charged-in Material ID
Reference Number (127)
REF02 471095-2

Baseline Item Data

PO1**1*UN***VO*EQ02135*VN*001*HN*Y00462*SN*U771553
Quantity Ordered (330)
PO12 1
Unit or Basis for Measurement Code
PO13 UN Unit
Product/Service ID Qualifier (235)
PO106 VO Order Number - Intended Ship USS Mill Order #
Product/Service ID (234)
PO107 EQ02135
Product/Service ID Qualifier (235)
PO108 VN Order Item Number - Intended Ship USS Mill Order Item #
Product/Service ID (234)
PO109 001
Product/Service ID Qualifier (235)
PO110 HN Heat Number
Product/Service ID (234)
PO111 Y00462
Product/Service ID Qualifier (235)
PO112 SN Material Identification - USS
Product/Service ID (234)
PO113 U771553



X12 Implementation Guideline - USS Outside Processing

Order Status Report - Production Reporting - Normal Example 870-6, Production - Multiple Charge / Build-Up

Product/Item Identification

PID*S*PR*ST*29***66
Item Description Type (349)
PID01 S
Product/Process Characteristic Code (750)
PID02 PR Manufacturing Process
Agency Qualifier Code (559)
PID03 ST Steel Code tables
Production Description Code (751)
PID04 29 Charged Into Build-Up
Source Subqualifier (822)
PID07 66 Steel Table 66

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*7***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 7 Inprocess
Source Subqualifier (822)
PID07 70 Steel Table 70

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

MEA*WT*WT*7005*01
Measurement Reference ID Code (737)
MEA01 WT Weights
Measurement Qualifier (738)
MEA02 WT Weight
Measurement Value (739)
MEA03 7005
Unit or Basis for Measurement Code (355)
MEA04 01 Pounds

Measurements

MEA*PD*TH*00.0315*ED
Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 TH Thickness
Measurement Value (739)
MEA03 00.0315
Unit or Basis for Measurement Code (355)



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Order Status Report - Production Reporting - Normal Example 870-6, Production - Multiple Charge / Build-Up

MEA04 ED Decimal Inches

Measurements

MEA*PD*WD*67.9900*ED

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 WD Width
Measurement Value (739)
MEA03 67.9900
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements

MEA*PD*LN*40.0000*ED

Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 LN Length
Measurement Value (739)
MEA03 40.0000
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements

MEA*CT*NL*282*PC

Measurement Reference ID Code (737)
MEA01 CT Counts
Measurement Qualifier (738)
MEA02 NL
Measurement Value (739)
MEA03 282
Unit or Basis for Measurement Code (355)
MEA04 PC Number of Pieces

DETAIL AREA - Item Level (Charge Item Description)

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

Reference Numbers

REF*RV*471095-1

Reference Number Qualifier (128)
REF01 RV OP Prior Identity 2nd Charged-In Material ID
Reference Number (127)
REF02 471095-1



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Order Status Report - Production Reporting - Normal Example 870-6, Production - Multiple Charge / Build-Up

Baseline Item Data

PO1**1*UN***VO*EQ02135*VN*001*HN*Y00462*SN*U771550
Quantity Ordered (330)
PO12 1
Unit or Basis for Measurement Code
PO13 UN Unit
Product/Service ID Qualifier (235)
PO106 VO Order Number - Intended Ship USS Mill Order #
Product/Service ID (234)
PO107 EQ02135
Product/Service ID Qualifier (235)
PO108 VN Order Item Number - Intended Ship USS Mill Order Item #
Product/Service ID (234)
PO109 001
Product/Service ID Qualifier (235)
PO110 HN Heat Number
Product/Service ID (234)
PO111 Y00462
Product/Service ID Qualifier (235)
PO112 SN Material Identification - USS
Product/Service ID (234)
PO113 U771550

Product/Item Identification

PID*S*PR*ST*29***66
Item Description Type (349)
PID01 S
Product/Process Characteristic Code (750)
PID02 PR Manufacturing Process
Agency Qualifier Code (559)
PID03 ST Steel Code tables
Production Description Code (751)
PID04 29 Charged Into Build-Up
Source Subqualifier (822)
PID07 66 Steel Table 66

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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Product/Item Identification

PID*S*MA*ST*7***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 7 Inprocess
Source Subqualifier (822)
PID07 70 Steel Table 70

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

MEA*WT*WT*1390*01
Measurement Reference ID Code (737)
MEA01 WT Weights
Measurement Qualifier (738)
MEA02 WT Weight
Measurement Value (739)
MEA03 1390
Unit or Basis for Measurement Code (355)
MEA04 01 Pounds

Measurements

MEA*PD*TH*00.0315*ED
Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 TH Thickness
Measurement Value (739)
MEA03 00.0315
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements

MEA*PD*WD*67.9900*ED
Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 WD Width
Measurement Value (739)
MEA03 67.9900
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches

Measurements

MEA*PD*LN*40.0000*ED
Measurement Reference ID Code (737)
MEA01 PD Actual Dimensions
Measurement Qualifier (738)
MEA02 LN Length
Measurement Value (739)
MEA03 40.0000
Unit or Basis for Measurement Code (355)
MEA04 ED Decimal Inches



X12 Implementation Guideline - USS Outside Processing

Order Status Report - Production Reporting - Normal Example 870-6, Production - Multiple Charge / Build-Up

Measurements

MEA*CT*NL*56*PC

Measurement Reference ID Code (737)

MEA01 CT Counts

Measurement Qualifier (738)

MEA02 NL

Measurement Value (739)

MEA03 56

Unit or Basis for Measurement Code (355)

MEA04 PC Number of Pieces

Summary Area

Transaction Totals

CTT*4

Number of Line Items (354)

CTT01 4 Total Number of HL Segments

One Order (O), Two Item (I), One Component (F)

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.