



## X12 Implementation Guideline - USS Outside Processing

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### **Order Status Report - Production Reporting - Normal Example 870-5, Production - Paint with Multiple Processes**

#### Compord Format

**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.

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

AISI Steel Code Table 17 (Coating) has been expanded to Tables 17A thru 17H to permit coding of various coating elements versus conveying this information in freeform (PID05).

#### 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\*PA\*00123\*200000127\*0317  
Transaction Set Purpose Code (850)  
BSR01 2 Prearranged Schedule or Agreement  
Order Item Code (847)  
BSR02 PA Selected Orders - Selected Items Normal Production  
Reference Number (127)  
BSR03 00123  
Date (373)  
BSR04 20000127 Transaction Create Date  
Time (337)  
BSR05 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



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### **Order Status Report - Production Reporting - Normal Example 870-5, Production - Paint with Multiple Processes**

**Name**

N1\*OU\*\*1\*108429317  
Entity Identifier Code (98)  
N101 OU Outside Processor  
Identification Code Qualifier (66)  
N103 1 DUNs Number  
Identification Code (67)  
N104 108429317

#### DETAIL AREA - Order Level

**Hierarchical Level**

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\*UJK74809\*\*20000127  
Purchase Order Number (324) US Steel Work Order With OP  
PRF01 UJK74809  
Purchase Order Date (323)  
PRF04 20000127

#### DETAIL AREA - Item Level (Charge Item Description)

**Hierarchical Level**

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

**Reference Numbers**

REF\*RV\*7052825  
Reference Number Qualifier (128)  
REF01 RV OP Prior Identity Charge-in Material ID  
Reference Number (127)  
REF02 7052825



## X12 Implementation Guideline - USS Outside Processing

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### **Order Status Report - Production Reporting - Normal Example 870-5, Production - Paint with Multiple Processes**

#### **DETAIL AREA - Component Level (Discharge Item Description)**

##### *Hierarchical Level*

HL\*3\*2\*F

Hierarchical ID Number (628)

HL01 3

Hierarchical Parent ID Number (734)

HL02 2

Hierarchical Level Code (735)

HL03 F Component

##### *Reference Numbers*

REF\*SE\*7427936

Reference Number Qualifier (128)

REF01 SE Serial Number Discharge Material ID

Reference Number (127)

REF02 7427936 Processors Current Material ID (Discharge)

##### *Date/Time Reference*

DTM\*009\*20000128\*0317\*ES

Date/Time Qualifier (374)

DTM01 009

Process Business Event - Activity Date/Time

Date (373)

DTM02 20000128

Time (337)

DTM03 0317

Time Code (623)

DTM04 ES

##### *Date/Time Reference*

DTM\*206\*20000128\*0317\*ES

Date/Time Qualifier (374)

DTM01 206 OP Status Date

Date (373)

DTM02 20000128

Time (337)

DTM03 0317

Time Code (623)

DTM04 ES



## X12 Implementation Guideline - USS Outside Processing

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### **Order Status Report - Production Reporting - Normal Example 870-5, Production - Paint with Multiple Processes**

#### Baseline Item Data

PO1\*\*1\*UN\*\*\*VO\*UJK74809\*VN\*01\*HN\*T05976\*SN\*GW210665020  
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 UJK74809  
Product/Service ID Qualifier (235)  
PO108 VN Order Item Number - Intended Ship USS Mill Order Item #  
Product/Service ID (234)  
PO109 01  
Product/Service ID Qualifier (235)  
PO110 HN Heat Number  
Product/Service ID (234)  
PO111 T05976  
Product/Service ID Qualifier (235)  
PO112 SN Material Identification - USS  
Product/Service ID (234)  
PO113 GW210665020

#### Product/Item Identification

PID\*S\*PR\*ST\*69\*R1\*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 69 Paint  
Surface/Layer/Position Code (752)  
PID06 R1 First Processing Step  
Source Subqualifier (822)  
PID07 66 Steel Table 66

#### Product/Item Identification

PID\*F\*40\*\*\*LILLY INDUSTRIES\*BS  
Item Description Type (349)  
PID01 F  
Product/Process Characteristic Code (750)  
PID02 40 Paint Manufacturer  
Description (350)  
PID05 LILLY INDUSTRIES  
Surface/Layer/Position Code (752)  
PID06 BS Both Sides (Paint)



## X12 Implementation Guideline - USS Outside Processing

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### **Order Status Report - Production Reporting - Normal Example 870-5, Production - Paint with Multiple Processes**

**Product/Item Identification**

PID\*F\*CS\*\*\*2618D30004\*BS  
Item Description Type (349)  
PID01 F  
Product/Process Characteristic Code (750)  
PID02 CS Paint System Code  
Description (350)  
PID05 2618D30004  
Surface/Layer/Position Code (752)  
PID06 BS Both Sides (Paint)

**Product/Item Identification**

PID\*F\*CW\*\*\*SURESTIX\*BS  
Item Description Type (349)  
PID01 F  
Product/Process Characteristic Code (750)  
PID02 CW Paint System Name  
Description (350)  
PID05 SURESTIX  
Surface/Layer/Position Code (752)  
PID06 BS Both Sides (Paint)

**Product/Item Identification**

PID\*F\*35\*\*\*SURREY BEIGE\*BS  
Item Description Type (349)  
PID01 F  
Product/Process Characteristic Code (750)  
PID02 35 Paint Color  
Description (350)  
PID05 SURREY BEIGE  
Surface/Layer/Position Code (752)  
PID06 BS Both Sides (Paint)

**Product/Item Identification**

PID\*S\*PR\*ST\*69\*R2\*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 69 Shearing  
Surface/Layer/Position Code (752)  
PID06 R2 Second Processing Step  
Source Subqualifier (822)  
PID07 66 Steel Table 66



## X12 Implementation Guideline - USS Outside Processing

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### **Order Status Report - Production Reporting - Normal Example 870-5, Production - Paint with Multiple Processes**

#### Product/Item Identification

PID\*S\*PR\*ST\*14\*R3\*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 14 Edge Trim  
Surface/Layer/Position Code (752)  
PID06 R3 Third Processing Step  
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 In Process  
Source Subqualifier (822)  
PID07 70 Steel Table 70

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

MEA\*WT\*WT\*6500\*01  
Measurement Reference ID Code (737)  
MEA01 WT Weights  
Measurement Qualifier (738)  
MEA02 WT Weight  
Measurement Value (739)  
MEA03 6500  
Unit or Basis for Measurement Code (355)  
MEA04 01 Pounds



## X12 Implementation Guideline - USS Outside Processing

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### **Order Status Report - Production Reporting - Normal Example 870-5, Production - Paint with Multiple Processes**

#### **Measurements**

MEA\*WT\*WT\*6485\*24  
Measurement Reference ID Code (737)  
MEA01 WT Weights  
Measurement Qualifier (738)  
MEA02 WT Weight  
Measurement Value (739)  
MEA03 6485  
Unit or Basis for Measurement Code (355)  
MEA04 24 Theoretical Pounds

#### **Measurements**

MEA\*PD\*TH\*00.0260\*ED  
Measurement Reference ID Code (737)  
MEA01 PD Actual Dimensions  
Measurement Qualifier (738)  
MEA02 TH Thickness  
Measurement Value (739)  
MEA03 00.0260  
Unit or Basis for Measurement Code (355)  
MEA04 ED Decimal Inches

#### **Measurements**

MEA\*PD\*WD\*63.0000\*ED  
Measurement Reference ID Code (737)  
MEA01 PD Actual Dimensions  
Measurement Qualifier (738)  
MEA02 WD Width  
Measurement Value (739)  
MEA03 63.0000  
Unit or Basis for Measurement Code (355)  
MEA04 ED Decimal Inches

#### **Measurements**

MEA\*PD\*LN\*4582\*LF  
Measurement Reference ID Code (737)  
MEA01 PD Actual Dimensions  
Measurement Qualifier (738)  
MEA02 LN Length  
Measurement Value (739)  
MEA03 4582  
Unit or Basis for Measurement Code (355)  
MEA04 LF Lineal Feet

### **Additional Component (Discharge Scrap)**

#### **Hierarchical Level**

HL\*4\*2\*F  
Hierarchical ID Number (628)  
HL01 4  
Hierarchical Parent ID Number (734)  
HL02 2  
Hierarchical Level Code (735)  
HL03 F Component

#### **Date/Time Reference**

DTM\*009\*20000128\*0317\*ES  
Date/Time Qualifier (374) DTM01 009 Process Business Event -- Activity

Date/Time



## X12 Implementation Guideline - USS Outside Processing

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### **Order Status Report - Production Reporting - Normal Example 870-5, Production - Paint with Multiple Processes**

**Date (373)**  
DTM02 20000128 Date Production Ended  
**Time (337)**  
DTM03 0317 Time  
**Time Code (623)**  
DTM04 ES Eastern Standard Time

#### **Baseline Item Data**

PO1\*\*1\*UN\*\*\*VO\*UJK74809\*VN\*01\*HN\*T05976\*SN\*GW210665020  
**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 Number  
**Product/Service ID (234)**  
PO107 UJK74809  
**Product/Service ID Qualifier (235)**  
PO108 VN Order Item Number - Intended Ship USS Mill Order Item Number  
**Product/Service ID (234)**  
PO109 01  
**Product/Service ID Qualifier (235)**  
PO110 HN Heat Number  
**Product/Service ID (234)**  
PO111 T05976  
**Product/Service ID Qualifier (235)**  
PO112 SN Material Identification - USS  
**Product/Service ID (234)**  
PO113 GW210665020

#### **Product/Item Identification**

PID\*S\*MAC\*ST\*05\*\*\*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 05 Processor Scrap  
**Source Subqualifier (822)**  
PID07 67 Steel Table 67





## X12 Implementation Guideline - USS Outside Processing

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### **Order Status Report - Production Reporting - Normal Example 870-5, Production - Paint with Multiple Processes**

#### Product/Item Identification

PID\*S\*MA\*ST\*S\*\*\*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 S Processor Scrap

Source Subqualifier (822)

PID07 70 Steel Table 70

#### Product/Item Identification 5 Occurrences Permitted

PID\*S\*DAF\*ST\*3\*\*\*72

Item Description Type (349)

PID01 S

Product/Process Characteristic Code (750)

PID02 DAF Damage Fault

Agency Qualifier Code (559)

PID03 ST Steel Code tables

Production Description Code (751)

PID04 3 Current Processor

Source Subqualifier (822)

PID07 72 Steel Table 72

#### Product/Item Identification 5 Occurrences Permitted

PID\*S\*DAC\*ST\*258\*\*\*73

Item Description Type (349)

PID01 S

Product/Process Characteristic Code (750)

PID02 DAC Damage Code

Agency Qualifier Code (559)

PID03 ST Steel Code tables

Production Description Code (751)

PID04 258 Engineered Head Loss

Source Subqualifier (822)

PID07 73 Steel Table 73

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

MEA\*WT\*WT\*180\*01

Measurement Reference ID Code (737)

MEA01 WT Weights

Measurement Qualifier (738)

MEA02 WT Weight

Measurement Value (739)

MEA03 180

Unit or Basis for Measurement Code (355)

MEA04 01 Pounds



## X12 Implementation Guideline - USS Outside Processing

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### **Order Status Report - Production Reporting - Normal Example 870-5, Production - Paint with Multiple Processes**

#### **Measurements**

MEA\*PD\*TH\*00.0260\*ED  
Measurement Reference ID Code (737)  
MEA01 PD Actual Dimensions  
Measurement Qualifier (738)  
MEA02 TH Thickness  
Measurement Value (739)  
MEA03 00.0260  
Unit or Basis for Measurement Code (355)  
MEA04 ED Decimal Inches

#### **Measurements**

MEA\*PD\*WD\*63.0000\*ED  
Measurement Reference ID Code (737)  
MEA01 PD Actual Dimensions  
Measurement Qualifier (738)  
MEA02 WD Width  
Measurement Value (739)  
MEA03 63.0000  
Unit or Basis for Measurement Code (355)  
MEA04 ED Decimal Inches

#### **Measurements**

MEA\*PD\*LN\*82\*LF  
Measurement Reference ID Code (737)  
MEA01 PD Actual Dimensions  
Measurement Qualifier (738)  
MEA02 LN Length  
Measurement Value (739)  
MEA03 82  
Unit or Basis for Measurement Code (355)  
MEA04 LF Lineal Feet

### **Summary Area**

#### **Transaction Totals**

CTT\*4  
Number of Line Items (354)  
CTT01 4 Total Number of HL Segments  
One Order (O), One Item (I), Two Component (F)

#### **Transaction Set Trailer**

SE\*40\*0001  
Number of Included Segments (96)  
SE01 40 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.