

ANS 830 - Planning Schedule - Outbound

Stant Manufacturing, Inc.

Transaction Description

Business Purpose The SMI Weekly Release (ANSI 830) transaction set is used as a Forecast document that provides information by part number.

Forecast information and quantities are subject to change or cancellation by SMI.

Transaction Planning Schedule with Release Capability -- or Weekly Release Transaction Set 830), abbreviated "PS".

Application The 830 set is based upon ANSI ASC X12 Version Release 004010. document.

Mapping A list of the Weekly Release business data elements, and how they will be transmitted via EDI Standards is provided in the "Transaction Specifications.

Exceptions There are no exceptions to ANSI Standards in this Transaction Description.

Schedule The Weekly Release is transmitted once a week on a designated day. The seller should notify the buyer the following day if the seller has not received the Weekly Release.

Back-Up Procedure In the event of a failure of Electronic Data Interchange it is the responsibility of the sending party to transmit the contents of any pending transmission to the receiving party using a method of non-EDI transmission which is timely, reasonable, and appropriate under the circumstances.

Transaction Specification Information

The following Transaction Specifications consists of two sections:

1. The first section is an overview of the transaction. It includes segment information as well as a visual depiction of the looping functionality.
2. The second section is the detailed specifications of the transaction. The attributes columns within this second section are explained as follows:
 - The first column: M = Mandatory, 0 = Optional, C = Conditional
 - The second column:
 - ID = Identifier (a unique value from a predefined list from ANSI)
 - DT = Date
 - TM = Time
 - AN = Alphanumeric
 - R = Numeric with a variable decimal place
 - Nx = Numeric with “x” decimal places
 - The third column: x/y, where
 - x = the minimum number of digits for this element and
 - y = the maximum number of digits for this element.

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Planning Schedule with Release Capability

Functional Group=PS

This transaction set will be used to provide for customary and established business practice relative to the transfer of forecasting/material release information between organizations. This planning schedule transaction may be used in various ways or in a combination of ways, such as: (1) a simple forecast; (2) a forecast with the buyer's authorization for the seller to commit to resources, such as labor or material; (3) a forecast that is also used as an order release mechanism, containing such elements as resource authorizations, period-to-date cumulative quantities, and specific ship/delivery patterns for requirements that have been represented in "buckets," such as weekly, monthly, or quarterly. The order release forecast may also contain all data related to purchase orders, as required, because the order release capability eliminates the need for discrete generation of purchase orders.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
010	ST	Transaction Set Header	M	1		
020	BFR	Beginning Segment for Planning Schedule	M	1		
LOOP ID - N1					200	
230	N1	Name	O	1		
280	PER	Administrative Communications Contact Not Used by Stant	O	3		

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
LOOP ID - LIN					≥1	
010	LIN	Item Identification	M	1		
020	UIT	Unit Detail	O	1		
230	ATH	Resource Authorization	O	20		
LOOP ID - SDP					260	
460	FST	Forecast Schedule	O	260		

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
010	CTT	Transaction Totals	O	1		N3/010
020	SE	Transaction Set Trailer	M	1		

ST

Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

To indicate the start of a transaction set and to assign a control number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
ST01	143	Transaction Set Identifier Code	M	ID	3/3				
Description: Code uniquely identifying a Transaction Set									
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>830</td><td>Planning Schedule with Release Capability</td></tr></table>						<u>Code</u>	<u>Name</u>	830	Planning Schedule with Release Capability
<u>Code</u>	<u>Name</u>								
830	Planning Schedule with Release Capability								
ST02	329	Transaction Set Control Number	M	AN	4/9				
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set									

BFR

Beginning Segment for Planning Schedule

Pos: 020

Max: 1

Heading - Mandatory

Loop: N/A

Elements: 7

To indicate the beginning of a planning schedule transaction set; whether a ship or delivery based forecast; and related forecast envelope dates

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max				
BFR01	353	Transaction Set Purpose Code Description: Code identifying purpose of transaction set	M	ID	2/2				
		<table><tr><th>Code</th><th>Name</th></tr><tr><td>- 00</td><td>Original</td></tr></table>	Code	Name	- 00	Original			
Code	Name								
- 00	Original								
BFR02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30				
BFR04	675	Schedule Type Qualifier Description: Code identifying the type of dates used when defining a shipping or delivery time in a schedule or forecast	M	ID	2/2				
		<table><tr><th>Code</th><th>Name</th></tr><tr><td>DL</td><td>Delivery Based</td></tr></table>	Code	Name	DL	Delivery Based			
Code	Name								
DL	Delivery Based								
BFR05	676	Schedule Quantity Qualifier Description: Code identifying the type of quantities used when defining a schedule or forecast	M	ID	1/1				
		<table><tr><th>Code</th><th>Name</th></tr><tr><td>A</td><td>Actual Discrete Quantities</td></tr></table>	Code	Name	A	Actual Discrete Quantities			
Code	Name								
A	Actual Discrete Quantities								
BFR06	373	Date Description: Date expressed as CCYYMMDD Release Date	M	DT	8/8				
BFR07	373	Date Description: Date expressed as CCYYMMDD End Date	O	DT	8/8				
BFR08	373	Date Description: Date expressed as CCYYMMDD Begin Date	M	DT	8/8				

N1

Name

Pos: 230	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual All valid standard codes are used. <div><div><u>Code</u></div><div><u>Name</u></div></div> <div>ST = Ship To Location</div> <div>SE = Seller/Vendor</div>	M	ID	2/3
N102	93	Name Description: Free-form name	C	AN	1/60
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) <div><div><u>Code</u></div><div><u>Name</u></div></div> <div>92Assigned by Buyer or Buyer's Agent</div>	C	ID	1/2
N104	67	Identification Code Description: Code identifying a party or other code SE Qualifier =Supplier Code ST Qualifier = Ship To Location Code	C	AN	2/80

PER

Administrative Communications
Contact

Pos: 280Max: 3

Heading - Optional

Loop: N1Elements: 2

To identify a person or office to whom administrative communications should be directed

Sent with the 'BY' N1 loop only. “NOT USED BY STANT”

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
PER01	366	Contact Function Code	M	ID	2/2				
Description: Code identifying the major duty or responsibility of the person or group named									
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>BD</td><td>Buyer Name or Department</td></tr></table>						<u>Code</u>	<u>Name</u>	BD	Buyer Name or Department
<u>Code</u>	<u>Name</u>								
BD	Buyer Name or Department								
PER02	93	Name	O	AN	1/60				
Description: Free-form name									

LIN

Item Identification

Pos: 010	Max: 1
Detail - Mandatory	
Loop: LIN	Elements: 8

To specify basic item identification data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max				
LIN02	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	M	ID	2/2				
		<table><tr><th>Code</th><th>Name</th></tr><tr><td>BP</td><td>Buyer's Part Number</td></tr></table>	Code	Name	BP	Buyer's Part Number			
Code	Name								
BP	Buyer's Part Number								
LIN03	234	Product/Service ID Description: Identifying number for a product or service	M	AN	1/48				
LIN04	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	C	ID	2/2				
		<table><tr><th>Code</th><th>Name</th></tr><tr><td>EC</td><td>Engineering Drawing Number</td></tr></table>	Code	Name	EC	Engineering Drawing Number			
Code	Name								
EC	Engineering Drawing Number								
LIN05	234	Product/Service ID Description: Identifying number for a product or service	C	AN	1/48				
			C	ID	2/2				
			C	AN	1/48				

UIT

Unit Detail

Pos: 020	Max: 1
Detail - Optional	
Loop: LIN	Elements: 1

To specify item unit data

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>																						
UIT01	C001	Composite Unit of Measure Description: To identify a composite unit of measure(See Figures Appendix for examples of use)	M	Comp																							
	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M	ID	2/2																						
		<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>-</td><td></td></tr><tr><td>EA</td><td>Each</td></tr><tr><td>FT</td><td>Foot</td></tr><tr><td>GL</td><td>Gallon</td></tr><tr><td>GR</td><td>Gram</td></tr><tr><td>LB</td><td>Pound</td></tr><tr><td>OZ</td><td>Ounce</td></tr><tr><td>PC</td><td>Piece</td></tr><tr><td>TN</td><td>Ton (US)</td></tr><tr><td>YD</td><td>Yard</td></tr></table>	<u>Code</u>	<u>Name</u>	-		EA	Each	FT	Foot	GL	Gallon	GR	Gram	LB	Pound	OZ	Ounce	PC	Piece	TN	Ton (US)	YD	Yard			
<u>Code</u>	<u>Name</u>																										
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TN	Ton (US)																										
YD	Yard																										

ATH

Resource Authorization

Pos: 230

Max: 20

Detail - Optional

Loop: LIN

Elements: 2

To specify resource authorizations (i.e., finished labor, material, etc.) in the planning schedule

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>						
ATH01	672	Resource Authorization Code Description: Code identifying the resource which the buyer is authorizing the seller to commit to	M	ID	2/2						
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>FI</td><td>Finished (Labor, Material, and Overhead/Burden)</td></tr><tr><td>MT</td><td>Material</td></tr></table>						<u>Code</u>	<u>Name</u>	FI	Finished (Labor, Material, and Overhead/Burden)	MT	Material
<u>Code</u>	<u>Name</u>										
FI	Finished (Labor, Material, and Overhead/Burden)										
MT	Material										
ATH02	373	Authorization Through Date Description: Date expressed as CCYYMMDD	C	DT	8/8						
ATH05	373	Authorization Start Date Description: Date express as CCYYMMDD	C	DT	8/8						

FST

Forecast Schedule

Pos: 460	Max: 260
Detail - Optional	
Loop: SDP	Elements: 5

To specify the forecasted dates and quantities

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>						
FST01	380	Quantity Description: Numeric value of quantity	M	R	1/15						
FST02	680	Forecast Qualifier Description: Code specifying the sender's confidence level of the forecast data or an action associated with a forecast	M	ID	1/1						
		<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>-</td><td></td></tr><tr><td>D</td><td>Planning</td></tr></table>	<u>Code</u>	<u>Name</u>	-		D	Planning			
<u>Code</u>	<u>Name</u>										
-											
D	Planning										
FST03	681	Forecast Timing Qualifier Description: Code specifying interval grouping of the forecast	M	ID	1/1						
		<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>W</td><td>Weekly</td></tr></table>	<u>Code</u>	<u>Name</u>	W	Weekly					
<u>Code</u>	<u>Name</u>										
W	Weekly										
FST04	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8						
			C	DT	8/8						

CTT

Transaction Totals

Pos: 010

Max: 1

Summary - Optional

Loop: N/A

Elements: 1

To transmit a hash total for a specific element in the transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
CTT01	354	Number of Line Items	M	N0	1/6
Description: Total number of line items in the transaction set					
CTT02	347	Hash Totals	M	R	1/10
Description: The sum of all quantities released in the FST01.					

SE

Transaction Set Trailer

Pos: 020	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
SE01	96	Number of Included Segments Description: Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10
SE02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9