



## **830 Planning Schedule w/ Release Capability**

VERSION: ANSI ASC X12 3030

<b>Created:</b>	<b>November 16, 2002</b>
<b>Modified:</b>	<b>September 12, 2006</b>

# 830

## Planning Schedule w/ Release Capability

Functional Group=**PS**

**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 (Planning Schedule)	M	1		
030	NTE	Note/Special Instruction	F	100		
<b>LOOP ID - N1</b>					<b>3</b>	
040	N1	Name	O	1		
050	N2	Additional Name Information	O	2		
060	N3	Address Location	O	2		
070	N4	Geographic Location	O	1		

**Detail:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
<b>LOOP ID - LIN</b>					<b>10000</b>	
010	LIN	Item Identification Detail	M	1		
020	UNT	Unit Detail	M	1		
140	REF	Reference Numbers	O	12		
150	PER	Administrative Contact	O	3		
<b>LOOP ID - SDP</b>					<b>260</b>	
290	SDP	Ship/Delivery Pattern	M	1		
300	FST	Forecast Schedule	M	104		
<b>LOOP ID - SHP</b>					<b>25</b>	
330	SHP	Shipped/Received Information	O	1		
340	REF	Reference Numbers	O	5		

**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	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	<b>Transaction Set Identifier</b> <b>Description:</b> Code uniquely identifying a Transaction Set.	M	ID	3/3
		<u>Code Name</u> 830 X12.14 Planning Schedule			
ST02	329	<b>Transaction Set Control Number</b> <b>Description:</b> Identifying control number assigned by the originator for a Transaction Set.	M	AN	4/9

# BFR Beginning Segment (Planning Schedule)

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 8

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
BFR01	353	<b>Transaction Set Purpose</b> <b>Description:</b> Code identifying purpose of transmitted set. <i>Note:</i> Always = "05" <u>Code Name</u> 05 Replace	M	ID	2/2
BFR03	328	<b>Release Number</b> <b>Description:</b> Will use issue date.	C	AN	6/6
BFR04	675	<b>Forecast Type Qualifier</b> <b>Description:</b> Code which qualifies the type of dates used in the forecast.  <u>Code Name</u> DL Delivery Based	M	ID	2/2
BFR05	676	<b>Forecast Quantity Qualifier</b> <b>Description:</b> Code which qualifies the types of quantities. <i>Note:</i> Always = "A"  <u>Code Name</u> A Actual Discrete Quantities	M	ID	1/1
BFR06	373	<b>Date</b> <b>Description:</b> Date (YYMMDD). <i>Note:</i> Horizon Start Date	M	DT	6/6
BFR07	373	<b>Date</b> <b>Description:</b> Date (YYMMDD). <i>Note:</i> Horizon End Date.	M	DT	6/6
BFR08	373	<b>Date</b> <b>Description:</b> Date (YYMMDD). <i>Note:</i> Current date	M	DT	6/6
BFR11	324	<b>Purchase Order Number</b> <b>Description:</b> Identifying number for Purchase Order.	M	AN	7/9

## Note/Special Instruction

<b>Pos: 040</b>	<b>Max: 100</b>
<b>Heading – Floating</b>	
<b>Loop: N/A</b>	<b>Elements: 2</b>

# NTE

To transmit information in a free-form format, if necessary, for comment or special instruction

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
NTE01	363	<b>Note Reference Code</b> <b>Description:</b> Code identifying the functional area or purpose for which the note applies. Also see: Free Form Message (3). <i>Note:</i> Always = “ZZZ” <u>Code Name</u> ZZZ Mutually Defined	O	ID	3/3
NTE02	3	<b>Free Form Message</b> <b>Description:</b> Free-form text.	M	AN	1/60

# N1

## Name

<b>Pos: 090</b>	<b>Max: 1</b>
<b>Heading - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

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

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N101	98	<b>Organization Identifier</b> <b>Description:</b> Code identifying the type of party being defined.  SU Supplier Code ST Ship-to code MI Material Issuer	M	ID	2/2
N102	93	<b>Name</b> <b>Description:</b> Free-form organization name, official title, or related information.	C	AN	1/35
N103	66	<b>Identification Code Qualifier</b> <b>Description:</b> Free-form organization name, official title, or related information.	C	AN	1/2
N104	67	<b>Name</b> <b>Description:</b> Free-form organization name, official title, or related information.	C	AN	1/17

# N2

## Name

<b>Pos: 100</b>	<b>Max: 2</b>
<b>Heading - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 2</b>

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

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N201	93	Name <b>Description:</b> Free-form name	M	AN	1/35
N102	93	Name <b>Description:</b> Free-form name.	O	AN	1/35

# N3

## Name

<b>Pos: 110</b>	<b>Max: 2</b>
<b>Heading - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 2</b>

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

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N301	166	<b>Address Information</b> <b>Description:</b> Address Information	M	AN	1/35
N302	166	<i>Address Information</i> <b>Description:</b> Address Information	O	AN	1/35

# N4

## Name

<b>Pos: 120</b>	<b>Max: 1</b>
<b>Heading - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

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

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N401	19	<b>City Name</b> <b>Description:</b> Free-form text for city name	M	AN	2/30
N402	156	<b>State or Province Code</b> <b>Description:</b> Code(Standard State/Province) as defined by appropriate government agency.	O	ID	2/2
N403	116	<b>Postal code</b> <b>Description:</b> Code defining international postal zone code excluding punctuation and blanks.	O	ID	3/9
N404	26	<b>Country Code</b> Code identifying the country.	O	ID	2/3

# LIN Item Identification Detail

Pos: 010	Max: 1
Detail - Mandatory	
Loop: LIN	Elements: 9

To specify basic item identification data.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
LIN01	666	<b>Line Item Number</b> <b>Description:</b> Identifying number for a line item. <i>Note:</i> Sequential number beginning with 001 and incremented by +1 for each subsequent LIN segment in the transaction set.	O	AN	3/3
LIN02	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <u>Code Name</u> BP Buyer's Part Number	M	ID	2/2
LIN03	234	Product/Service ID <b>Description:</b> Identifying number for a product or service. <i>Note:</i> ADAC Part Number	M	AN	1/25
LIN04	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <u>Code Name</u> VP Vendor's (Seller's) Part Number	O	ID	2/2
LIN05	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service. <i>Note:</i> Vendor Part Number	C	AN	1/30
LIN06	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <u>Code Name</u> EC Engineering Change Level	O	ID	2/2
LIN07	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service. <i>Note:</i> Current Engineering change level	C	AN	1/30
LIN08	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234). <u>Code Name</u> PO Purchase Order Number	O	ID	2/2



<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
LIN09	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service. Note: Purchase Order Number	C	AN	1/30

**Note:**

# UIT Unit Detail

<b>Pos: 020</b>	<b>Max: 1</b>
<b>Detail - Mandatory</b>	
<b>Loop: LIN</b>	<b>Elements: 1</b>

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>
UNT01	355	Unit of Measurement Code	M	ID	2/2

**Description:** Code identifying the basic unit measurement.

## Note:

This segment indicates the unit of measure for part number in previous LIN segment.

**REF**

<b>Name</b>	<b>Pos: 140</b> <b>Max: 12</b> <b>Heading – Optional</b> <b>Loop: LIN</b> <b>Elements: 2</b>

To specify identifying numbers

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
REF01	128	Reference Number Qualifier <i>Note: Any accepted AIAG could be used.</i>	M	ID	2/2
REF02	127	Reference Number	O	AN	1/30

# PER Administrative Communications Contact

Pos: 150	Max: 3
Heading – Optional	
Loop: LIN	Elements: 4

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
PER01	366	<b>Contact Function Code</b> BD Buyer Name or Department SC Schedule Contact	M	ID	2/2
PER02	93	<b>Name</b> Free-form name.	O	AN	1/35
PER03	365	<b>Communication Number Qualifier</b> TE Telephone	O	ID	2/2
PER04	364	<b>Communications Number</b> <b>Description:</b> Complete communications number including country or area code when applicable	O	AN	1/25
PER03	365	<b>Communication Number Qualifier</b> FX Facsimile	O	ID	2/2
PER04	364	<b>Communications Number</b> <b>Description:</b> Complete communications number including country or area code when applicable	O	AN	1/25

# SDP Ship/Delivery Pattern

Pos: 290	Max: 1
Detail - Mandatory	
Loop: SDP	Elements: 2

To identify specific ship/delivery requirements

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SDP01	678	<b>Ship/Delivery Pattern Code</b> <b>Description:</b> Code which specifies the routine shipments, deliveries calendar pattern.	M	ID	1/2
SDP02	679	<b>Ship/Delivery Pattern Time</b> <b>Description:</b> Code which specifies the time for routine shipments or deliveries.	M	ID	1/1

## Note:

# FST Forecast Schedule

Pos: 061	Max: 104
Detail - Mandatory	
Loop: SDP	Elements: 4

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	<b>Quantity</b> <b>Description:</b> Numeric value of Quantity.	M	R	1/6
FST02	680	<b>Forecast Qualifier</b> <b>Description:</b> Code specifying the sender's confidence level of the forecast data. <u>Code Name</u> D Planning	M	ID	1/1
FST03	681	<b>Forecast Timing Qualifier</b> <b>Description:</b> Code specifying interval grouping of the forecast. <u>Code Name</u> D Discrete F Flexible Interval (from Date X through Date Y) M Monthly Bucket (Calendar Months) W Weekly Bucket (Monday through Sunday)	M	ID	1/1
FST04	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	M	DT	6/6

## Note:

# SHP Shipped/Received Information

Pos: 064	Max: 1
Detail - Optional	
Loop: SHP	Elements: 6

To specify shipment and/or receipt information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SHP01	673	<b>Quantity Qualifier</b> <b>Description:</b> Code specifying the type of quantity.	O	ID	2/2
		<u>Code Name</u> 01 Discrete Quantity			
SHP02	380	<b>Quantity</b> <b>Description:</b> Numeric value of Quantity. Also see: Unit of Measurement Code (355).	C	R	1/15
SHP03	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time.	O	ID	3/3
SHP04	373	<b>Date</b> <b>Description:</b> Date (YYMMDD).	C	DT	6/6
SHP06	373	<b>Date (Optional – Not being used)</b> <b>Description:</b> Date (YYMMDD).	O	DT	6/6

Note:

**REF**

<b>Name</b>		<b>Pos: 340</b>	<b>Max: 5</b>
		<b>Heading – Optional</b>	
		<b>Loop: SHP</b>	<b>Elements: 2</b>

To specify identifying numbers

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
REF01	128	<b>Reference Number Qualifier</b>	M	ID	2/2
		<u>Code</u> <u>Name</u>			
		SI        Shipper's Identifying Number (SID)			

*Note: Any accepted AIAG could be used.*

REF02	127	<b>Reference Number</b>	O	AN	1/30
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*Note: Last Shipper Number Received*

# CTT Transaction Totals

Pos: 072	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

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	<b>Number of Line Items</b> <b>Description:</b> Total number of line items in the transaction set. <i>Note: Total number of LIN segments in this transaction set.</i>	M	N0	4/4
CTT02	347	<b>Hash Total (optional – Not being Used)</b> <b>Description:</b> Sum of values of the specific data element. <i>Note: This will be a sum of all quantities in FST segments (FST01) in this transaction set.</i>	O	R	10/10

# SE Transaction Set Trailer

Pos: 73	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 and ending (SE) segment)

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SE01	96	<b>Number of Included Segments</b> <b>Description:</b> Total number of segments included in a transaction set including ST and SE segments.	M	N0	1/6
SE02	329	<b>Transaction Set Control Number</b> <b>Description:</b> Identifying control number assigned by the originator for a Transaction Set.	M	AN	4/9