830 Planning Schedule w/ Release Capability

VERSION: ANSI ASC X12 3030

Created: **November 16, 2002**
Modified: **August 22, 2013**

830   Planning Schedule w/ Release Capability

Functional Group=PS

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes
010	ST	Transaction Set Header	M	1		
020	BFR	Beginning Segment (Planning Schedule)	M	1		
030	NTE	Note/Special Instruction	F	100		
LOOP ID - N1					**3**	
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:

	Pos	Id	Segment Name	Req	Max Use	Repeat	Notes
LOOP ID - LIN						**10000**	
	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		
LOOP ID - SDP						**260**	
	290	SDP	Ship/Delivery Pattern	M	1		
	300	FST	Forecast Schedule	M	104		
LOOP ID - SHP						**25**	
	330	SHP	Shipped/Received Information	O	1		
	340	REF	Reference Numbers	O	5		

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes
010	CTT	Transaction Totals	M	1		

ST   Transaction Set Header

<div>

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

</div>

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
ST01	**143**	**Transaction Set Identifier**	**M**	**ID**	**3/3**

Description: Code uniquely identifying a Transaction Set.

Code	Name
830	X12.14 Planning Schedule

Ref	Id	Element Name	Req	Type	Min/Max
ST02	**329**	**Transaction Set Control Number**	**M**	**AN**	**4/9**

Description: Identifying control number assigned by the originator for a Transaction Set.

BFR   Beginning Segment (Planning Schedule)

<div style="border:1px solid">

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

</div>

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**	**M**	**ID**	**2/2**

Description: Code identifying purpose of transmitted set.
Note: *Always = "05"*

Code	Name
05	Replace

Ref	Id	Element Name	Req	Type	Min/Max
BFR03	**328**	**Planned Production Number**	**C**	**AN**	**6/6**

Description: Will use issue date.

Ref	Id	Element Name	Req	Type	Min/Max
BFR04	**675**	**Forecast Type Qualifier**	**M**	**ID**	**2/2**

Description: Code which qualifies the type of dates used in the forecast.

Code	Name
DL	Delivery Based

Ref	Id	Element Name	Req	Type	Min/Max
BFR05	**676**	**Forecast Quantity Qualifier**	**M**	**ID**	**1/1**

Description: Code which qualifies the types of quantities.
Note: *Always = "A"*

Code	Name
A	Actual Discrete Quantities

Ref	Id	Element Name	Req	Type	Min/Max
BFR06	**373**	**Date**	**M**	**DT**	**6/6**

Description: Date (YYMMDD).
Note: *Horizon Start Date*

Ref	Id	Element Name	Req	Type	Min/Max
BFR07	**373**	**Date**	**M**	**DT**	**6/6**

Description: Date (YYMMDD).
Note: *Horizon End Date.*

Ref	Id	Element Name	Req	Type	Min/Max
BFR08	**373**	**Date**	**M**	**DT**	**6/6**

Description: Date (YYMMDD).
Note: *Current date*

Ref	Id	Element Name	Req	Type	Min/Max
BFR11	**324**	**Purchase Order Number**	**M**	**AN**	**7/9**

Description: Identifying number for Purchase Order.
.

Note/Special Instruction

NTE

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
NTE01	**363**	**Note Reference Code**	**O**	**ID**	**3/3**

Description: Code identifying the functional area or purpose for which the note applies. Also see: Free Form Message (3).

Note: *Always = "ZZZ"*

Code	Name
ZZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max
NTE02	**3**	**Free Form Message**	**M**	**AN**	**1/60**

Description: Free-form text.

N1   **Name**

Pos: 090   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**	**Organization Identifier** **Description:** Code identifying the type of party being defined.	**M**	**ID**	**2/2**

SU   Supplier Code
ST   Ship-to code
MI   Material Issuer

Ref	Id	Element Name	Req	Type	Min/Max
N102	**93**	**Name** **Description:** Free-form organization name, official title, or related information.	**C**	**AN**	**1/35**
N103	**66**	**Identification Code Qualifier** **Description:** Free-form organization name, official title, or related information.	**C**	**AN**	**1/2**
N104	**67**	**Name** **Description:** Free-form organization name, official title, or related information.	**C**	**AN**	**1/17**

N2   Name

Pos: 100	**Max: 2**
Heading - Optional	
Loop: N1	**Elements: 2**

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

Element Summary:

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

N3   Name

Pos: 110	**Max: 2**
Heading - Optional	
Loop: N1	**Elements: 2**

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
N301	**166**	**Address Information**	**M**	**AN**	**1/35**
		Description: Address Information			
N302	**166**	*Address Information*	**O**	**AN**	**1/35**
		Description: Address Information			

N4 **Name**

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

Element Summary:

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

LIN   Item Identification Detail

To specify basic item identification data.

Element Summary:

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

Ref	Id	Element Name	Req	Type	Min/Max
LIN09	**234**	**Product/Service ID**	C	AN	1/30

Description: Identifying number for a product or service.
Note: Purchase Order Number

Note:

UIT   **Unit Detail**

To specify item unit data.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
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   Name

<table>
<tr><td>Pos: 140</td><td>Max: 12</td></tr>
<tr><td colspan="2">Heading – Optional</td></tr>
<tr><td>Loop: LIN</td><td>Elements: 2</td></tr>
</table>

To specify identifying numbers

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
REF01	**128**	**Reference Number Qualifier**	**M**	**ID**	**2/2**
		Note: Any accepted AIAG could be used.			
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:

Ref	Id	Element Name	Req	Type	Min/Max
PER01	366	Contact Function Code	M	ID	2/2

BD   Buyer Name or Department
SC   Schedule Contact

Ref	Id	Element Name	Req	Type	Min/Max
PER02	93	Name	O	AN	1/35

Free-form name.

Ref	Id	Element Name	Req	Type	Min/Max
PER03	365	Communication Number Qualifier	O	ID	2/2

TE   Telephone

Ref	Id	Element Name	Req	Type	Min/Max
PER04	364	Communications Number	O	AN	1/25

Description: Complete communications number including country or area code when applicable

Ref	Id	Element Name	Req	Type	Min/Max
PER03	365	Communication Number Qualifier	O	ID	2/2

FX   Facsimile

Ref	Id	Element Name	Req	Type	Min/Max
PER04	364	Communications Number	O	AN	1/25

Description: Complete communications number including country or area code when applicable

SDP   **Ship/Delivery Pattern**

To identify specific ship/delivery requirements

Element Summary:

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

Note:

FST **Forecast Schedule**

To specify the forecasted dates and quantities

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
FST01	**380**	**Quantity** **Description:** Numeric value of Quantity.	**M**	**R**	**1/6**
FST02	**680**	**Forecast Qualifier** **Description:** Code specifying the sender's confidence level of the forecast data.	**M**	**ID**	**1/1**

Code	Name
D	Planning

Ref	Id	Element Name	Req	Type	Min/Max
FST03	**681**	**Forecast Timing Qualifier** **Description:** Code specifying interval grouping of the forecast.	**M**	**ID**	**1/1**

Code	Name
D	Discrete
F	Flexible Interval (from Date X through Date Y)
M	Monthly Bucket (Calendar Months)
W	Weekly Bucket (Monday through Sunday)

Ref	Id	Element Name	Req	Type	Min/Max
FST04	**373**	**Date** **Description:** Date (YYMMDD).	**M**	**DT**	**6/6**

Note:

SHP   Shipped/Received Information

To specify shipment and/or receipt information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
SHP01	**673**	**Quantity Qualifier**	**O**	**ID**	**2/2**

Description: Code specifying the type of quantity.

Code	Name
01	Discrete Quantity

Ref	Id	Element Name	Req	Type	Min/Max
SHP02	**380**	**Quantity**	**C**	**R**	**1/15**

Description: Numeric value of Quantity. Also see: Unit of Measurement Code (355).

Ref	Id	Element Name	Req	Type	Min/Max
SHP03	**374**	**Date/Time Qualifier**	**O**	**ID**	**3/3**

Description: Code specifying type of date or time.

Ref	Id	Element Name	Req	Type	Min/Max
SHP04	**373**	**Date**	**C**	**DT**	**6/6**

Description: Date (YYMMDD).

Ref	Id	Element Name	Req	Type	Min/Max
SHP06	**373**	**Date (Optional – Not being used)**	**O**	**DT**	**6/6**

Description: Date (YYMMDD).

Note:

REF   Name

<table>
<tr><td>Pos: 340</td><td>Max: 5</td></tr>
<tr><td colspan="2">Heading – Optional</td></tr>
<tr><td>Loop: SHP</td><td>Elements: 2</td></tr>
</table>

To specify identifying numbers

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
REF01	128	Reference Number Qualifier	M	ID	2/2

Code   **Name**
SI   Shipper's Identifying Number (SID)

Note: *Any accepted AIAG could be used*.

Ref	Id	Element Name	Req	Type	Min/Max
REF02	127	Reference Number	O	AN	1/30

Note: *Last Shipper Number Received*

CTT Transaction Totals

<table>
<tr><td>Pos: 072</td><td>Max: 1</td></tr>
<tr><td colspan="2">Summary - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 2</td></tr>
</table>

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
CTT01	354	**Number of Line Items**	M	N0	4/4

Description: Total number of line items in the transaction set.
Note: Total number of LIN segments in this transaction set.

Ref	Id	Element Name	Req	Type	Min/Max
CTT02	347	**Hash Total (optional – Not being Used)**	O	R	10/10

Description: Sum of values of the specific data element.
Note: This will be a sum of all quantities in FST segments (FST01) in this transaction set.

SE   **Transaction Set Trailer**

<table>
<tr><td>Pos: 73</td><td>Max: 1</td></tr>
<tr><td colspan="2">Summary - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 2</td></tr>
</table>

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:

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