



830 Planning Schedule w/ Release Capability

VERSION: ANSI ASC X12 3030

| | |
|------------------|--------------------------|
| Created: | November 16, 2002 |
| Modified: | August 1, 2014 |

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 | | |
| 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:

| <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 | | | | | 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:

| <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 | Transaction Set Identifier Description: Code uniquely identifying a Transaction Set. | M | ID | 3/3 |
| | | <u>Code Name</u> 830 X12.14 Planning Schedule | | | |
| ST02 | 329 | Transaction Set Control Number Description: 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 | Transaction Set Purpose Description: Code identifying purpose of transmitted set. <i>Note:</i> Always = "05" <u>Code Name</u> 05 Replace | M | ID | 2/2 |
| BFR03 | 328 | Planned Production Number Description: Will use issue date. | C | AN | 6/6 |
| BFR04 | 675 | Forecast Type Qualifier Description: Code which qualifies the type of dates used in the forecast. <u>Code Name</u> DL Delivery Based | M | ID | 2/2 |
| BFR05 | 676 | Forecast Quantity Qualifier Description: 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 | Date Description: Date (YYMMDD). <i>Note:</i> Horizon Start Date | M | DT | 6/6 |
| BFR07 | 373 | Date Description: Date (YYMMDD). <i>Note:</i> Horizon End Date. | M | DT | 6/6 |
| BFR08 | 373 | Date Description: Date (YYMMDD). <i>Note:</i> Current date | M | DT | 6/6 |
| BFR11 | 324 | Purchase Order Number Description: Identifying number for Purchase Order. | Not Used | AN | 7/9 |

Note/Special Instruction

| | |
|---------------------------|--------------------|
| Pos: 040 | Max: 100 |
| Heading – Floating | |
| Loop: N/A | Elements: 2 |

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 | Note Reference Code Description: Code identifying the functional area or purpose for which the note applies. Also see: Free Form Message (3). <i>Note: Always = "ZZZ"</i> <u>Code Name</u> ZZZ Mutually Defined | O | ID | 3/3 |
| NTE02 | 3 | Free Form Message Description: Free-form text. | M | AN | 1/60 |

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:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> |
|------------|-----------|--|------------|-------------|----------------|
| N101 | 98 | Organization Identifier Description: Code identifying the type of party being defined. SU Supplier Code ST Ship-to code MI Material Issuer | M | ID | 2/2 |
| 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:

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

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:

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

N4

Name

| | |
|---------------------------|--------------------|
| Pos: 120 | Max: 1 |
| Heading - Optional | |
| Loop: N1 | 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> |
|------------|-----------|---|------------|-------------|----------------|
| 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

| | |
|--------------------|-------------|
| 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 | Line Item Number Description: 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 | Product/Service ID Qualifier Description: 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 Description: Identifying number for a product or service. <i>Note:</i> 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 Name</u> VP Vendor's (Seller's) Part Number | O | ID | 2/2 |
| LIN05 | 234 | Product/Service ID Description: Identifying number for a product or service. <i>Note:</i> 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 Name</u> EC Engineering Change Level | O | ID | 2/2 |
| LIN07 | 234 | Product/Service ID Description: Identifying number for a product or service. <i>Note:</i> 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 Name</u> PO Purchase Order Number | Not Used | 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 | Product/Service ID Description: Identifying number for a product or service. Note: Purchase Order Number | C | AN | 1/30 |

Note:

UIT **Unit Detail**

| | |
|---------------------------|--------------------|
| Pos: 020 | Max: 1 |
| Detail - Mandatory | |
| 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> |
|------------|-----------|---|------------|-------------|----------------|
| UNT01 | 355 | Unit of Measurement Code Description: Code identifying the basic unit measurement. | M | ID | 2/2 |

Note:

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

REF

| | |
|-------------|--|
| Name | Pos: 140 Max: 12 Heading – Optional Loop: LIN Elements: 2 |
| | |

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 ALAG 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 | Contact Function Code BD Buyer Name or Department SC Schedule Contact | M | ID | 2/2 |
| PER02 | 93 | Name Free-form name. | O | AN | 1/35 |
| PER03 | 365 | Communication Number Qualifier TE Telephone | O | ID | 2/2 |
| PER04 | 364 | Communications Number Description: Complete communications number including country or area code when applicable | O | AN | 1/25 |
| PER03 | 365 | Communication Number Qualifier FX Facsimile | O | ID | 2/2 |
| PER04 | 364 | Communications Number Description: 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 | 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

| | |
|--------------------|-------------|
| 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 | 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. <u>Code Name</u> C Firm D Planning | M | ID | 1/1 |
| FST03 | 681 | Forecast Timing Qualifier Description: 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 | Date Description: Date (YYMMDD). | M | DT | 6/6 |
| FST08 | 128 | Reference Number Qualifier <u>Code Name</u> DO Delivery Order Number (ADAC release number) | X | ID | 2/2 |
| FST09 | 127 | Order Number Description: ADAC Purchase Order Number. | M | AN | 1/30 |

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

Note:

REF

| | | | |
|-------------|--|---------------------------|--------------------|
| Name | | Pos: 340 | Max: 5 |
| | | Heading – Optional | |
| | | Loop: SHP | Elements: 2 |
| | | | |

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 | 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 | Reference Number | O | AN | 1/30 |
|-------|-----|-------------------------|---|----|------|

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 | Number of Line Items Description: Total number of line items in the transaction set. <i>Note:</i> Total number of LIN segments in this transaction set. | M | N0 | 4/4 |
| CTT02 | 347 | Hash Total (optional – Not being Used) Description: Sum of values of the specific data element. <i>Note:</i> This will be a sum of all quantities in FST segments (FST01) in this transaction set. | 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 | Number of Included Segments Description: Total number of segments included in a transaction set including ST and SE segments. | M | N0 | 1/6 |
| SE02 | 329 | Transaction Set Control Number Description: Identifying control number assigned by the originator for a Transaction Set. | M | AN | 4/9 |