

CVS/Caremark

Implementation Guide

830 Planning Schedule with Release Capability

Version X12-4010

Table of Contents

| | |
|--|-----------|
| Introduction: | 3 |
| ST Transaction Set Header | 4 |
| BFR Beginning Segment for Planning Schedule | 5 |
| REF Reference Identification | 6 |
| N1 Party Identification | 7 |
| LIN Item Identification | 8 |
| UIT Unit Detail | 9 |
| FST Forecast Schedule | 10 |
| SDQ Destination Quantity | 11 |
| CTT Transaction Totals | 13 |
| SE Transaction Set Trailer | 14 |
| Sample Data | 15 |

830 Planning Schedule with Release Capability

Functional Group ID=**PS**

Introduction:

This standard contains the format and establishes the data contents of the Planning Schedule Transaction Set (830) for use within the context of an Electronic Data Interchange (EDI) environment. The planning schedule can be used as a forecast that is represented in "buckets," such as weekly, and include projections of quantities CVS may wish to obtain at future dates.

Forecasts and inventory planning projections are non-binding estimates for planning purposes only and are subject to change. CVS expressly disclaims all warranties, express or implied, and makes no representations about the accuracy of this information.

Heading:

| | <u>Pos. No.</u> | <u>Seg. ID</u> | <u>Name</u> | <u>Req. Des.</u> | <u>Max.Use</u> | <u>Loop Repeat</u> | <u>Notes and Comments</u> |
|--------------|-----------------|----------------|---|------------------|----------------|--------------------|---------------------------|
| M | 010 | ST | Transaction Set Header | M | 1 | | |
| M | 020 | BFR | Beginning Segment for Planning Schedule | M | 1 | | |
| | 050 | REF | Reference Identification | O | 12 | | |
| LOOP ID - N1 | | | | | | 200 | |
| | 230 | N1 | Name | O | 1 | | |

Detail:

| | <u>Pos. No.</u> | <u>Seg. ID</u> | <u>Name</u> | <u>Req. Des.</u> | <u>Max.Use</u> | <u>Loop Repeat</u> | <u>Notes and Comments</u> |
|---------------|-----------------|----------------|----------------------|------------------|----------------|--------------------|---------------------------|
| LOOP ID - LIN | | | | | | >1 | |
| M | 010 | LIN | Item Identification | M | 1 | | |
| | 020 | UIT | Unit Detail | O | 1 | | |
| LOOP ID - FST | | | | | | >1 | |
| | 410 | FST | Forecast Schedule | O | 1 | | n2 |
| | 420 | SDQ | Destination Quantity | O | 50 | | |

Summary:

| | <u>Pos. No.</u> | <u>Seg. ID</u> | <u>Name</u> | <u>Req. Des.</u> | <u>Max.Use</u> | <u>Loop Repeat</u> | <u>Notes and Comments</u> |
|---|-----------------|----------------|-------------------------|------------------|----------------|--------------------|---------------------------|
| | 010 | CTT | Transaction Totals | O | 1 | | n3 |
| M | 020 | SE | Transaction Set Trailer | M | 1 | | |

Transaction Set Notes

1. QTY is used to specify supplemental quantities relevant to the forecast function. However, QTY is not related to the actual forecast quantity in the FST segments.
2. At least one occurrence of segment FST is required, either in the FST loop or within the SDP loop. These two loops are mutually exclusive.
3. Number of line items (CTT01) is the accumulation of the number of LIN segments. If used, hash total (CTT02) is the sum of the values of the quantities (FST01) for each FST segment.

ST Transaction Set Header

Segment: ST Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:
Business Rules: Variable Name: STST

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|--|-------------------|
| M | ST01 | 143 | Transaction Set Identifier Code Code uniquely identifying a Transaction Set Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 3/3 |
| M | ST02 | 329 | Transaction Set Control Number 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 |

BFR Beginning Segment for Planning Schedule

Segment: BFR Beginning Segment for Planning Schedule

Position: 020

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

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

Syntax Notes: 1 At least one of BFR02 or BFR03 is required.

Semantic Notes: 1 If BFR01 contains the value "04" (Net Change), BFR09 is required.

2 BFR02 is the identifying number for a forecast assigned by the orderer/purchaser.

3 BFR06 is the forecast horizon start date: The date when the forecast horizon (envelope) begins.

4 BFR07 is the forecast horizon end date: The date when the forecast horizon (envelope) ends.

5 BFR08 is the date forecast generated: The date the forecast data was generated.

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|---|-------------------|
| M | BFR01 | 353 | Transaction Set Purpose Code Code identifying purpose of transaction set <u>Code</u> <u>Name</u> 00 Original | M ID 2/2 |
| | BFR02 | 127 | Reference Identification Sequential Number Assigned by CVS | X AN 1/30 |
| M | BFR04 | 675 | Schedule Type Qualifier Code identifying the type of dates used when defining a shipping or delivery time in a schedule or forecast <u>Code</u> <u>Name</u> BB Customer Production | M ID 2/2 |
| M | BFR05 | 676 | Schedule Quantity Qualifier Code identifying the type of quantities used when defining a schedule or forecast <u>Code</u> <u>Name</u> A Actual Discrete Quantities | M ID 1/1 |
| M | BFR06 | 373 | Date Beginning Date in First FST (CCYYMMDD) | M DT 8/8 |
| | BFR07 | 373 | Date Ending Date in Last FST (CCYYMMDD) | O DT 8/8 |
| M | BFR08 | 373 | Date Data Creation Date (CCYYMMDD) | M DT 8/8 |

REF Reference Identification

Segment: **REF** Reference Identification
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> | | | | |
|-------------|-------------------|---------------------|--|-------------------|-------------|----|-------------------|--|
| M | REF01 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification | M ID 2/3 | | | | |
| | | | <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>VR</td> <td>CVS Vendor Number</td> </tr> </tbody> </table> | <u>Code</u> | <u>Name</u> | VR | CVS Vendor Number | |
| <u>Code</u> | <u>Name</u> | | | | | | | |
| VR | CVS Vendor Number | | | | | | | |
| | REF02 | 127 | Reference Identification Value Defined by REF01 | X AN 1/30 | | | | |

N1 Party Identification

- Segment:** **N1** Name
Position: 230
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:
 - 1 At least one of N102 or N103 is required.
 - 2 If either N103 or N104 is present, then the other is required.**Semantic Notes:**
Comments:
 - 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 - 2 N105 and N106 further define the type of entity in N101.

Data Element Summary

| Ref. | Data | Name | Attributes |
|-------------|----------------|---|-------------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
| M | N101 | 98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual <u>Code</u> <u>Name</u> FR From | M ID 2/3 |
| | N103 | 66 Identification Code Qualifier Code designating the system/method of code structure used for Identification <u>Code</u> <u>Name</u> "1" Duns Number Qualifier | X ID 1/2 |
| | N104 | 67 Identification Code Code identifying a party or other code <u>Code</u> <u>Name</u> 001786664 CVS Duns Number | X AN 2/80 |

LIN Item Identification

Segment: **LIN** Item Identification
Position: 010
Loop: LIN Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify basic item identification data
Syntax Notes:

- 1 If either LIN04 or LIN05 is present, then the other is required.
- 2 If either LIN06 or LIN07 is present, then the other is required.
- 3 If either LIN08 or LIN09 is present, then the other is required.

Semantic Notes: 1 LIN01 is the line item identification
Comments:

- 1 See the Data Dictionary for a complete list of IDs.
- 2 LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

| <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|------------------|---------------------|---|-------------------|
| M | LIN02 | 235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) <u>Code Name</u> IN Item Number | M ID 2/2 |
| M | LIN03 | 234 Product/Service ID Identifying number for a product or service CVS Item Number | M AN 1/48 |
| | LIN04 | 235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID <u>Code Name</u> UI Item UPC - U.P.C. Consumer Package Code (1-5-5) | X ID 2/2 |
| | LIN05 | 234 Product/Service ID Identifying number for a product or service UPC Number or NDC Number | X AN 1/48 |
| | LIN06 | 235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID <u>Code Name</u> UA Case UPC- UA = U.P.C./EAN Case Code (2-5-5) | X ID 2/2 |
| | LIN07 | 234 Product/Service ID Identifying number for a product or service UPC Number | X AN 1/48 |

UIT Unit Detail

Segment: **UIT** Unit Detail
Position: 020
Loop: LIN Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify item unit data
Syntax Notes: 1 If UIT03 is present, then UIT02 is required.
Semantic Notes:
Comments:

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> | | | | |
|-------------|-------------|-------------|---|-------------------|-------------|----|--------|--|
| M | UIT01 | C001 | Composite Unit of Measure To identify a composite unit of measure | M | | | | |
| | | | <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>PC</td> <td>Pieces</td> </tr> </tbody> </table> | <u>Code</u> | <u>Name</u> | PC | Pieces | |
| <u>Code</u> | <u>Name</u> | | | | | | | |
| PC | Pieces | | | | | | | |

FST Forecast Schedule

| | |
|------------------------|---|
| Segment: | FST Forecast Schedule |
| Position: | 410 |
| Loop: | FST Optional |
| Level: | Detail |
| Usage: | Optional |
| Max Use: | 1 |
| Purpose: | To specify the forecasted dates and quantities |
| Syntax Notes: | <ol style="list-style-type: none"> 1 If either FST06 or FST07 is present, then the other is required. 2 If either FST08 or FST09 is present, then the other is required. |
| Semantic Notes: | <ol style="list-style-type: none"> 1 If FST03 equals "F" (indicating flexible interval), then FST04 and FST05 are required. FST04 would be used for the start date of the flexible interval and FST05 would be used for the end date of the flexible interval. |
| Comments: | <ol style="list-style-type: none"> 1 As qualified by FST02 and FST03, FST04 represents either a discrete forecast date, the first date of a forecasted bucket (weekly, monthly, quarterly, etc.) or the start date of a flexible interval. 2 FST06 qualifies the time in FST07. The purpose of the FST07 element is to express the specific time of day in a 24-hour clock to satisfy "just-in-time" requirements. As an alternative, the ship/delivery pattern segment (SDP) may be used to define an approximate time, such as a.m. or p.m. |

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | | <u>Attributes</u> |
|---|-------------|----------------|--|-------------------|
| | <u>Des.</u> | <u>Element</u> | <u>Name</u> | |
| M | FST01 | 380 | Quantity Total Item Quantity | M R 1/15 |
| M | FST02 | 680 | Forecast Qualifier Code specifying the sender's confidence level of the forecast data or an action associated with a forecast | M ID 1/1 |
| M | FST03 | 681 | Forecast Timing Qualifier Code specifying interval grouping of the forecast | M ID 1/1 |
| M | FST04 | 373 | Date Beginning Date (CCYYMMDD) | M DT 8/8 |
| | FST05 | 373 | Date Ending Date (CCYYMMDD) | O DT 8/8 |

SDQ Destination Quantity

- Segment:** **SDQ** Destination Quantity
- Position:** 420
- Loop:** FST Optional
- Level:** Detail
- Usage:** Optional
- Max Use:** 50
- Purpose:** To specify destination and quantity detail
- Syntax Notes:**
- 1 If either SDQ05 or SDQ06 is present, then the other is required.
 - 2 If either SDQ07 or SDQ08 is present, then the other is required.
 - 3 If either SDQ09 or SDQ10 is present, then the other is required.
 - 4 If either SDQ11 or SDQ12 is present, then the other is required.
 - 5 If either SDQ13 or SDQ14 is present, then the other is required.
 - 6 If either SDQ15 or SDQ16 is present, then the other is required.
 - 7 If either SDQ17 or SDQ18 is present, then the other is required.
 - 8 If either SDQ19 or SDQ20 is present, then the other is required.
 - 9 If either SDQ21 or SDQ22 is present, then the other is required.
- Semantic Notes:**
- 1 SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.
- Comments:**
- 1 SDQ02 is used only if different than previously defined in the transaction set.
 - 2 SDQ03 is the store number.
 - 3 SDQ23 may be used to identify areas within a store, e.g., front room, back room, selling outpost, end aisle display, etc. The value is agreed to by trading partners or industry conventions.

Data Element Summary

| Ref. | Data | Name | Attributes |
|-------------|----------------|---|-------------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
| M | SDQ01 | 355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <u>Code</u> <u>Name</u> PC Pieces | M ID 2/2 |
| | SDQ02 | 66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) <u>Code</u> <u>Name</u> 54 Warehouse -See the link for pertinent DC Codes http://cvssuppliers.com/distribution-center-id-table 92 Store | O ID 1/2 |
| M | SDQ03 | 67 Identification Code Code identifying a party or other code CVS DC Code (E.g. W101, F202) Store Number (E.g. 10951, 00212) | M AN 2/80 |
| M | SDQ04 | 380 Quantity Numeric value of quantity | M R 1/15 |
| | SDQ05 | 67 Identification Code Code identifying a party or other code CVS DC Code (E.g. W101, F202) Store Number (E.g. 10951, 00212) | X AN 2/80 |
| | SDQ06 | 380 Quantity Numeric value of quantity | X R 1/15 |

| | | | | |
|-------|-----|--|---|---------|
| SDQ07 | 67 | Identification Code Code identifying a party or other code CVS DC Code (E.g. W101. F202) Store Number (E.g. 10951, 00212) | X | AN 2/80 |
| SDQ08 | 380 | Quantity Numeric value of quantity | X | R 1/15 |
| SDQ09 | 67 | Identification Code Code identifying a party or other code CVS DC Code (E.g. W101. F202) Store Number (E.g. 10951, 00212) | X | AN 2/80 |
| SDQ10 | 380 | Quantity Numeric value of quantity | X | R 1/15 |
| SDQ11 | 67 | Identification Code Code identifying a party or other code CVS DC Code (E.g. W101. F202) Store Number (E.g. 10951, 00212) | X | AN 2/80 |
| SDQ12 | 380 | Quantity Numeric value of quantity | X | R 1/15 |
| SDQ13 | 67 | Identification Code Code identifying a party or other code CVS DC Code (E.g. W101. F202) Store Number (E.g. 10951, 00212) | X | AN 2/80 |
| SDQ14 | 380 | Quantity Numeric value of quantity | X | R 1/15 |
| SDQ15 | 67 | Identification Code Code identifying a party or other code CVS DC Code (E.g. W101. F202) Store Number (E.g. 10951, 00212) | X | AN 2/80 |
| SDQ16 | 380 | Quantity Numeric value of quantity | X | R 1/15 |
| SDQ17 | 67 | Identification Code Code identifying a party or other code CVS DC Code (E.g. W101. F202) Store Number (E.g. 10951, 00212) | X | AN 2/80 |
| SDQ18 | 380 | Quantity Numeric value of quantity | X | R 1/15 |
| SDQ19 | 67 | Identification Code Code identifying a party or other code CVS DC Code (E.g. W101. F202) Store Number (E.g. 10951, 00212) | X | AN 2/80 |
| SDQ20 | 380 | Quantity Numeric value of quantity | X | R 1/15 |
| SDQ21 | 67 | Identification Code Code identifying a party or other code CVS DC Code (E.g. W101. F202) Store Number (E.g. 10951, 00212) | X | AN 2/80 |
| SDQ22 | 380 | Quantity Numeric value of quantity | X | R 1/15 |
| SDQ23 | 310 | Location Identifier Code which identifies a specific location CVS DC Code (E.g. W101. F202) Store Number (E.g. 10951, 00212) | O | AN 1/30 |

TT Transaction Totals

Segment: **CTT** Transaction Totals
Position: 010
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes:

- 1 If either CTT03 or CTT04 is present, then the other is required.
- 2 If either CTT05 or CTT06 is present, then the other is required.

Semantic Notes:
Comments:

- 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|---|-------------------|
| M | CTT01 | 354 | Number of Line Items Total number of line items in the transaction set | M N0 1/6 |

SE Transaction Set Trailer

Segment: **SE** Transaction Set Trailer
Position: 020
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|----------------------------|-------------------------------|---|-------------------|
| M | SE01 | 96 | Number of Included Segments Total number of segments included in a transaction set including ST and SE segments | M N0 1/10 |
| M | SE02 | 329 | Transaction Set Control Number 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 |

Sample Data

Warehouse Sample:

ISA*00* *00* *ZZ*CVS *ZZ*6109719600 *171020*171

9*U*00400*000084886*0*P*~

GS*PS*CVS*6109719600*20171020*1719*96*X*004010~

ST*830*0184~

BFR*00*00**BB*A*20171112*20171118*20171020~

REF*VR*40641~

N1*FR**1*001786664~

LIN**IN*925390*UI*05042844452*UA*00000000000000~

UIT*PC~

FST*64*D*F*20171112*20171118~

SDQ*PC*54*C101*64~

LIN**IN*925390*UI*05042844452*UA*00000000000000~

UIT*PC~

FST*7168*D*F*20171119*20171125~

SDQ*PC*54*L101*3648*M101*1920*O101*1600~

LIN**IN*925390*UI*05042844452*UA*00000000000000~

UIT*PC~

FST*192*D*F*20171126*20171202~

SDQ*PC*54*L101*64*M101*64*O101*64~

CTT*3~

SE*18*0184~

GE*1*96~

IEA*1*000084886~

Store Sample:

ISA*00* *00* *ZZ*CVS *ZZ*6109719600 *171020*171

9*U*00400*000084886*0*P*~

GS*PS*CVS*6109719600*20171020*1719*96*X*004010~

ST*830*0184~

BFR*00*00**BB*A*20171112*20171118*20171020~

REF*VR*40641~

N1*FR**1*001786664~

LIN**IN*925390*UI*05042844452*UA*00000000000000~

UIT*PC~

FST*64*D*F*20171112*20171118~

SDQ*PC*92*10951*64~

LIN**IN*925390*UI*05042844452*UA*00000000000000~

UIT*PC~

FST*7168*D*F*20171119*20171125~

SDQ*PC*92*00212*3648*10951*1920*10152*1600~

LIN**IN*925390*UI*05042844452*UA*00000000000000~

UIT*PC~

FST*192*D*F*20171126*20171202~

SDQ*PC*92*21056*64*31000*64*11123*64~

CTT*3~

SE*18*0184~

GE*1*96~

IEA*1*000084886~