

# 830 Planning Schedule with Release Capability

Functional Group ID=**PS**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Planning Schedule with Release Capability Transaction Set (830) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business practice relative to the transfer of forecasting information between organizations.

**NOTE:** The release capability of this EDI document will not be utilized in business dealings with National Instruments.

## 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		
			LOOP ID - N1			200	
	230	N1	Name	O	1		
	250	N3	Address Information	O	2		
	260	N4	Geographic Location	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		
	150	PER	Administrative Communications Contact	O	3		
	220	QTY	Quantity	O	>1		n1
			LOOP ID - FST			>1	
	410	FST	Forecast Schedule	O	1		n2

## 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>
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.

**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:**

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 830 Planning Schedule with Release Capability	M ID 3/3
M	ST02	329	<b>Transaction Set Control Number</b> 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

**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 purchaser.

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

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

**Comments:**

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	BFR01	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set 00 Original	M ID 2/2
	BFR02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
M	BFR04	675	<b>Schedule Type Qualifier</b> Code identifying the type of dates used when defining a shipping or delivery time in a schedule or forecast DL Delivery Based	M ID 2/2
M	BFR05	676	<b>Schedule Quantity Qualifier</b> Code identifying the type of quantities used when defining a schedule or forecast A Actual Discrete Quantities	M ID 1/1
M	BFR06	373	<b>Date</b> Date expressed as CCYYMMDD	M DT 8/8
M	BFR08	373	<b>Date</b> Date expressed as CCYYMMDD	M DT 8/8

**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.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual ST Ship To SU Supplier/Manufacturer	<b>M ID 2/3</b>
	N102	93	<b>Name</b> Free-form name	<b>X AN 1/60</b>
	N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent	<b>X ID 1/2</b>
	N104	67	<b>Identification Code</b> Code identifying a party or other code	<b>X AN 2/80</b>

**Segment:** N3 Address Information  
**Position:** 250  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
M	N301	166	<b>Address Information</b> Address information	M AN 1/55
	N302	166	<b>Address Information</b> Address information	O AN 1/55

**Segment:** **N4 Geographic Location**  
**Position:** 260  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1 If N406 is present, then N405 is required.  
**Semantic Notes:**  
**Comments:** 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.  
2 N402 is required only if city name (N401) is in the U.S. or Canada.

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element</b>		
N401	19	<b>City Name</b> Free-form text for city name	<b>O AN 2/30</b>
N402	156	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	<b>O ID 2/2</b>
N403	116	<b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	<b>O ID 3/15</b>
N404	26	<b>Country Code</b> Code identifying the country	<b>O ID 2/3</b>

**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.

**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.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	LIN02	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) BP Buyer's Part Number	M ID 2/2
M	LIN03	234	<b>Product/Service ID</b> Identifying number for a product or service	M AN 1/48
	LIN04	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) EC Engineering Change Level	X ID 2/2
	LIN05	234	<b>Product/Service ID</b> Identifying number for a product or service	X AN 1/48

**Segment:** **UIT** Unit Detail  
**Position:** 020  
**Loop:** LIN Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify item unit data  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	UIT01	C001	<b>Composite Unit of Measure</b> To identify a composite unit of measure (See Figures Appendix for examples of use)	<b>M</b>
M	C00101	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	<b>M ID 2/2</b>

**Segment:** **PER Administrative Communications Contact**  
**Position:** 150  
**Loop:** LIN Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
	<b><u>Des.</u></b>	<b><u>Element</u></b>	<b><u>Name</u></b>	
M	PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named IC Information Contact	<b>M ID 2/2</b>
	PER02	93	<b>Name</b> Free-form name	<b>O AN 1/60</b>

**Segment:** QTY Quantity  
**Position:** 220  
**Loop:** LIN Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify quantity information  
**Syntax Notes:** 1 At least one of QTY02 or QTY04 is required.  
 2 Only one of QTY02 or QTY04 may be present.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	QTY01	673	Quantity Qualifier Code specifying the type of quantity 17 Quantity on Hand	M ID 2/2
	QTY02	380	Quantity Numeric value of quantity	X R 1/15

**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:**  
**Semantic Notes:** 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:** 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.

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	FST01	380	<b>Quantity</b> Numeric value of quantity	M R 1/15
M	FST02	680	<b>Forecast Qualifier</b> Code specifying the sender's confidence level of the forecast data or an action associated with a forecast D Planning	M ID 1/1
M	FST03	681	<b>Forecast Timing Qualifier</b> Code specifying interval grouping of the forecast D Discrete	M ID 1/1
M	FST04	373	<b>Date</b> Date expressed as CCYYMMDD	M DT 8/8

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