

# 830 Planning Schedule with Release Capability

Functional Group ID=**PO**

## 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/material release information between organizations. The planning schedule transaction may be used in various ways or in a combination of ways, such as: (1) a simple forecast; (2) a forecast with the buyer's authorization for the seller to commit to resources, such as labor or material; (3) a forecast that is also used as an order release mechanism, containing such elements as resource authorizations, period-to-date cumulative quantities, and specific ship/delivery patterns for requirements that have been represented in "buckets," such as weekly, monthly, or quarterly. The order release forecast may also contain all data related to purchase orders, as required, because the order release capability eliminates the need for discrete generation of purchase orders.

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>	<u>Notes and</u> <u>Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BFR	Beginning Segment for Planning Schedule	M	1		
	030	NTE	Note/Special Instruction	F	100		
LOOP ID - N1						200	
	090	N1	Name	O	1		
LOOP ID - LIN						10000	
M	300	LIN	Item Identification	M	1		
M	310	UNT	Unit Detail	M	1		
	430	PRS	Part Release Status	O	1		
	450	PER	Administrative Communications Contact	O	3		
LOOP ID - SDP						104	
M	580	SDP	Ship/Delivery Pattern	M	1		
M	590	FST	Forecast Schedule	M	104		
	610	ATH	Resource Authorization	O	20		
LOOP ID - SHP						25	
	620	SHP	Shipped/Received Information	O	1		
	630	REF	Reference Numbers	O	5		
M	690	CTT	Transaction Totals	M	1		
M	700	SE	Transaction Set Trailer	M	1		

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	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

**Segment:** **BFR** Beginning Segment for Planning Schedule  
**Position:** 020  
**Loop:**  
**Level:**  
**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

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	BFR01	353	Transaction Set Purpose Code	M ID 2/2
			Code identifying purpose of transaction set	
			00 Original	
			05 Replace	
	BFR03	328	Release Number	C AN 1/30
			Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	
M	BFR04	675	Schedule Type Qualifier	M ID 2/2
			Code identifying the type of dates used when defining a shipping or delivery time in a schedule or forecast	
			SH Shipment Based	
M	BFR05	676	Schedule Quantity Qualifier	M ID 1/1
			Code identifying the type of quantities used when defining a schedule or forecast	
			C Cumulative Quantities	
M	BFR06	373	Date	M DT 6/6
			Date (YYMMDD)	
M	BFR07	373	Date	M DT 6/6
			Date (YYMMDD)	
M	BFR08	373	Date	M DT 6/6
			Date (YYMMDD)	

**Segment:** **NTE** Note/Special Instruction  
**Position:** 030  
**Loop:**  
**Level:**  
**Usage:** Optional  
**Max Use:** 100  
**Purpose:** To transmit information in a free-form format, if necessary, for comment or special instruction

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>	
				<u>O</u>	<u>ID</u>
	NTE01	363	<b>Note Reference Code</b> Code identifying the functional area or purpose for which the note applies GEN Entire Transaction Set		3/3
M	NTE02	3	<b>Free Form Message</b> Free-form text	M	AN 1/60

**Segment:** **N1** Name  
**Position:** 090  
**Loop:** N1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	N101	98	Entity Identifier Code	M ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	
			IC	Intermediate Consignee
			BY	Buying Party (Purchaser)
			ST	Ship To
			SF	Ship From
			SE	Selling Party
	N103	66	Identification Code Qualifier	C ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			92	Assigned by Buyer or Buyer's Agent
	N104	67	Identification Code	C AN 2/17
			Code identifying a party or other code	

**Segment:** **LIN** **Item Identification**  
**Position:** 300  
**Loop:** LIN Mandatory  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify basic item identification data

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
	LIN01	666	Line Item Number	O AN 1/6
			Alphanumeric characters assigned for differentiation within a transaction set	
M	LIN02	235	Product/Service ID Qualifier	M ID 2/2
			Code identifying the type/source of the descriptive number used in	
			Product/Service ID (234)	
			BP Buyer's Part Number	
M	LIN03	234	Product/Service ID	M AN 1/30
			Identifying number for a product or service	
	LIN04	235	Product/Service ID Qualifier	O ID 2/2
			Code identifying the type/source of the descriptive number used in	
			Product/Service ID (234)	
			PO Purchase Order Number	
	LIN05	234	Product/Service ID	C AN 1/30
			Identifying number for a product or service	

**Segment:** **UNT** Unit Detail  
**Position:** 310  
**Loop:** LIN Mandatory  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To Specify item unit data.  
**Syntax Notes:** 1 If UNT03 is present, then UNT02 is required.

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	UNT01	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	

**Segment:** **PRS** Part Release Status  
**Position:** 430  
**Loop:** LIN Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To indicate the status of the part being ordered or forecast with respect to this material release or planning document

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PRS01	682	Part Release Status Code	M ID 1/2
			Code identifying the status of the specific part number being released or forecast or being used in an engineering change	



**Segment:** **PER** Administrative Communications Contact  
**Position:** 450  
**Loop:** LIN Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom administrative communications should be directed

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named	<b>M ID 2/2</b>
	PER02	93	<b>Name</b> Free-form name	<b>O AN 1/35</b>
	PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number TE Telephone	<b>O ID 2/2</b>
	PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	<b>C AN 7/21</b>

**Segment:** **SDP** Ship/Delivery Pattern  
**Position:** 580  
**Loop:** SDP Mandatory  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify specific ship/delivery requirements

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SDP01	678	Ship/Delivery or Calendar Pattern Code Code which specifies the routine shipments, deliveries, or calendar pattern	M ID 1/2
M	SDP02	679	Ship/Delivery Pattern Time Code Code which specifies the time for routine shipments or deliveries	M ID 1/1

**Segment:** **FST** Forecast Schedule  
**Position:** 590  
**Loop:** SDP Mandatory  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 104  
**Purpose:** To specify the forecasted dates and quantities

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 1/10
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 C Firm D Planning	M ID 1/1
M	FST03	681	<b>Forecast Timing Qualifier</b> Code specifying interval grouping of the forecast D Discrete F Flexible Interval (from Date X through Date Y) W Weekly Bucket (Monday through Sunday)	M ID 1/1
M	FST04	373	<b>Date</b> Date (YYMMDD)	M DT 6/6
	FST05	373	<b>Date</b> Date (YYMMDD)	O DT 6/6
	FST06	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time	O ID 3/3
	FST07	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	C TM 4/4

**Segment:** **ATH** Resource Authorization  
**Position:** 610  
**Loop:** LIN Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 20  
**Purpose:** To specify resource authorizations (i.e., finished labor, material, etc.) in the planning schedule

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ATH01	672	<b>Resource Authorization Code</b>	<b>M ID 2/2</b>
			Code identifying the resource which the buyer is authorizing the seller to commit to	
			FI Finished (Labor, Material, and Overhead/Burden)	
			MT Material	
	ATH02	373	<b>Date</b>	<b>C DT 6/6</b>
			Date (YYMMDD)	
	ATH03	380	<b>Quantity</b>	<b>C R 1/10</b>
			Numeric value of quantity	
	ATH05	373	<b>Date</b>	<b>C DT 6/6</b>
			Date (YYMMDD)	

**Segment:** **SHP** Shipped/Received Information  
**Position:** 620  
**Loop:** SHP Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify shipment and/or receipt information

Data Element Summary			
Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
SHP01	673	<b>Quantity Qualifier</b>	<b>O ID 2/2</b>
		Code specifying the type of quantity	
		01 Discrete Quantity	
		02 Cumulative Quantity	
SHP02	380	<b>Quantity</b>	<b>C R 1/10</b>
		Numeric value of quantity	
SHP03	374	<b>Date/Time Qualifier</b>	<b>O ID 3/3</b>
		Code specifying type of date or time, or both date and time	
SHP04	373	<b>Date</b>	<b>C DT 6/6</b>
		Date (YYMMDD)	
SHP06	373	<b>Date</b>	<b>C DT 6/6</b>
		Date (YYMMDD)	

**Segment:** **REF** Reference Numbers  
**Position:** 630  
**Loop:** SHP Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 5  
**Purpose:** To specify identifying numbers.

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	<b>Reference Number Qualifier</b> Code qualifying the Reference Number. SI Shipper's Identifying Number for Shipment (SID) A unique number (to the shipper) assigned by the shipper to identify the shipment	M ID 2/2
	REF02	127	<b>Reference Number</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	C AN 1/30

**Segment:** **CTT** Transaction Totals  
**Position:** 690  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To transmit a hash total for a specific element in the transaction set

#### Data Element Summary

M	Ref.	Data	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
	CTT01	354	<b>Number of Line Items</b>	<b>M N0 1/6</b>
			Total number of line items in the transaction set	
	CTT02	347	<b>Hash Total</b>	<b>O R 1/10</b>
			Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.	

**Segment:** **SE** Transaction Set Trailer  
**Position:** 700  
**Loop:**  
**Level:**  
**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:**

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	M N0 1/6
			Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	