



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



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



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>
M	N101	98 Entity Identifier Code 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	M ID 2/2
	N103	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent	C ID 1/2
	N104	67 Identification Code Code identifying a party or other code	C AN 2/17



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 Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/6
M	LIN02	235 Product/Service ID Qualifier 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 Product/Service ID Identifying number for a product or service	M AN 1/30
	LIN04	235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) PO Purchase Order Number	O ID 2/2
	LIN05	234 Product/Service ID Identifying number for a product or service	C AN 1/30



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

Ref.	Data	Name	Attributes
<u>Des.</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>Data</u>	<u>Name</u>	<u>Attributes</u>
M	<u>Des.</u> PRS01	<u>Element</u> 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>
M	PER01	366 Contact Function Code Code identifying the major duty or responsibility of the person or group named	M ID 2/2
	PER02	93 Name Free-form name	O AN 1/35
	PER03	365 Communication Number Qualifier Code identifying the type of communication number TE Telephone	O ID 2/2
	PER04	364 Communication Number Complete communications number including country or area code when applicable	C AN 7/21



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

	Ref.	Data	Name	Attributes
	Des.	Element		
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. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	FST01	380	Quantity Numeric value of quantity	M R 1/10
M	FST02	680	Forecast Qualifier 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	Forecast Timing Qualifier 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	Date Date (YYMMDD)	M DT 6/6
	FST05	373	Date Date (YYMMDD)	O DT 6/6
	FST06	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	O ID 3/3
	FST07	337	Time 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

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



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

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



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>Data</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128 Reference Number Qualifier	M ID 2/2
		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	
	REF02	127 Reference Number	C AN 1/30
		Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	



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

<u>Ref.</u>	<u>Data</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
	CTT02	347 Hash Total 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.	O R 1/10



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. Des.</u>	<u>Data 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 1/6
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