

Lacks Enterprises 830 Planning Schedule

ANSI X12

Version 004010



830 Planning Schedule

Transaction Layout:

Heading:

Req	Seg ID	Name	Req Des	Max Use	Loop Repeat
Required	ST	Transaction Set Header	M	1	
Required	BFR	Beginning segment of Planning Schedule	M	1	
LOOP ID – N1					200
Required	N1	Name	O	1	
Required	PER	Administrative Communication Contact	O	3	

Detail:

Req	Seg ID	Name	Req Des	Max Use	Loop Repeat
LOOP ID – LIN					>1
Required	LIN	Item Identification	O	1	
Required	UIT	Unit Detail	O	1	
Required	REF	Reference Identification	O	12	
	ATH	Resource Authorization	O	20	
LOOP ID – FST					>1
Required	FST	Forecast Schedule	O	1	
LOOP ID – SHP					25
	SHP	Shipped/Received Information	O	1	
	REF	Reference Identification	O	1	

Summary:

Req	Seg ID	Name	Req Des	Max Use	Loop Repeat
Required	CTT	Transaction Totals	O	1	
Required	SE	Transaction Set Trailer	M	1	

Segment: **ST** Transaction Set Header
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: The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition

Examples: ST*830*13579~

Data Element Summary

Req.	Ref. Des.	Data Element	Name	Attributes
Required	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
Required	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 Shipping Schedule/Production Sequence

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: At least one of BFR02 or BFR03 is required

Semantic Notes: 1 BFR06 is the forecast horizon start date – the date when the forecast horizon begins

2 BFR07 is the forecast horizon end date – the date when the forecast horizon ends

3 BFR08 is the forecast generation date – the date the forecast was created

Examples: BFR*00**20200512-001*DL*A*20200512*20200801*20200512~

BFR*00**20200512-001*SH*A*20200512*20200801*20200512~

Data Element Summary

Req.	Ref. Des.	Data Element	Name	Attributes
Required	BFR01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original	M ID 2/2
Required	BFR03	328	Release Number Number identifying a release against a Purchase Order previously place by the parties involved in the transaction	X DT 1/30
Required	BFR04	675	Schedule Type Qualifier Code identifying the type of dates used when defining a shipping or delivery time in a schedule or forecast DL Delivery Based – Due at [CLIENT] SH Shipment Based – Due to ship from Vendor	M ID 2/2
Required	BFR05	676	Schedule Quantity Qualifier Code identifying the type of quantities used when defining a schedule or forecast A Actual Discrete Quantities	M ID 1/1
Required	BFR06	373	Horizon Start Date Date expressed as CCYYMMDD	M DT 8/8
Required	BFR07	373	Horizon End Date Date expressed as CCYYMMDD	O DT 8/8
Required	BFR08	373	Release Date Date expressed as CCYYMMDD	M DT 8/8

Segment: **N1** Name
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 200
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.

Examples: N1*SU**92*800001~
 N1*ST**92*1020~

Data Element Summary

Req.	Ref. Des.	Data Element	Name	Attributes
Required	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual ST Ship To – 4 digit plant number SU Supplier – 6 digit supplier number starts with 8	M ID 2/3
	N102	93	Name Free-form name	X AN 1/60
Required	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	X ID 1/2
Required	N104	67	Identification Code Code identifying a party or other code	X AN 2/80

Segment: **PER** Administrative Communications Contact
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communication should be directed
Syntax Notes: If either PER03 or PER04 is present, then the other is required.
Examples: **PER*IC*JOHN SMITH*TE*616-949-6570***

Data Element Summary			
Req.	Ref. Des.	Data Element Name	Attributes
	PER01	366 Contact Function Code Code identifying the major duty or responsibility of the person or group named IC Lacks Buyer	M ID 2/2
	PER02	93 Name Free-form name	O AN 1/60
	PER03	365 Communication Number Qualifier Code identifying the type of communication number TE Telephone Lacks Number	X ID 2/2
	PER04	364 Communication Number Complete communication number including country or area code	X AN 1/80

Segment: **LIN** Item Identification
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 LIN07 or LIN08 is present, then the other is required

Examples: LIN**BP*M4502198*PO*SS006112~

Data Element Summary				
Req.	Ref. Des.	Data Element	Name	Attributes
Required	LIN02	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	M ID 2/2
Required	LIN03	234	BP Buyer's Part Number Product/Service ID Identifying number for a product or service <i>[CLIENT] Part Number</i>	M AN 1/48
	LIN04	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X ID 2/2
	LIN05	234	PO Purchase Order Number Product/Service ID Identifying number for a product or service <i>[CLIENT] Purchase Order Number</i>	X AN 1/48
	LIN06	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X ID 2/2
	LIN07	234	Product/Service ID Identifying number for a product or service <i>Part Engineering Change Level</i>	X AN 1/48
	LIN08	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X ID 2/2
	LIN09	234	Product/Service ID Identifying number for a product or service <i>Vendor's Part Number</i>	X AN 1/48

Segment: **UIT** Unit Detail
Loop: LIN Optional
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify item unit data

Examples: UIT*EA~

Data Element Summary

Req.	Ref. Des.	Data Element	Name	Attributes
Required	UIT01	C001	Composite Unit of Measure To identify a composite unit of measure	M
Required	C00101	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 EA Each LB Pound PC Piece	M ID 2/2

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

Examples: REF*DK*DOCK1~

Data Element Summary				
Req.	Ref. Des.	Data Element	Name	Attributes
Required	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification DK Dock Number	M ID 2/3
Required	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

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

Syntax Notes:

- 1 At least one of ATH02 or ATH03 is required.
- 2 If ATH03 is present, then ATH05 is required.
- 3 If ATH04 is present, then ATH05 is required.

Semantic Notes:

- 1 ATH02 is the resource authorization through date - the date through which the buyer authorizes the seller to commit the resource defined in element ATH01.
- 2 ATH03 is the current cumulative requirements quantity - the cumulative quantity that has been authorized to date from the cumulative start date (ATH05) through the resource authorization through date (ATH02).
- 3 ATH05 is the cumulative start date - the date where the cumulative quantity count starts. This date might be the start date of a contract period, a calendar or fiscal year, or other.
- 4 ATH04 is the maximum cumulative requirements quantity - the maximum cumulative quantity that has been authorized to date from the cumulative start date (ATH05) through the resource authorization through date (ATH02). This is a high water mark. If the forecast decreases, the current cumulative requirements quantity also decreases, but the maximum cumulative requirements quantity does not decrease.

Examples:

ATH*FI*20030718*38774**20030101~
ATH*MT*20030915*3822**20020901~
ATH*PQ*20070212*2000**2002090~

Data Element Summary

Req. Required	Ref. Des.	Data Element	Name	Attributes
Required	ATH01	672	Resource Authorization Code	M ID 2/2
			FI FAB Authorization	
			MT Raw Material Authorization	
			PQ Cumulative Quantity Required Prior to First Schedule Period	
Required	ATH02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
Required	ATH03	380	Quantity	X R 1/15
			Numeric value of quantity	
Not Used	ATH04	380	Quantity	O R 1/15
			Numeric value of quantity	
Required	ATH05	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	

Segment: **FST** Forecast Schedule
Loop: FST Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify the forecasted dates and quantities
Syntax Notes:

- 1 If FST03 equals "F", 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
- 2 As qualified by FST02 and FST03, FST04 represents either a discrete forecast date, the first date of a forecast bucket (weekly, monthly, etc.) or the start date of a flexible Interval

Examples: FST*864*C*D*20200512~
FST*864*D*W*20200519~
FST*864*D*M*20200601~

Data Element Summary

Req.	Ref. Des.	Data Element	Name	Attributes
Required	FST01	380	Quantity Numeric value of quantity	M R 1/15
Required	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
Required	FST03	681	Forecast Timing Qualifier Code specifying interval grouping of the forecast C Daily D Discrete W Weekly M Monthly	M ID 1/1
Required	FST04	373	Date Date expressed as CCYYMMDD	M DT 8/8
Optional	FST05	373	Date Date expressed as CCYYMMDD	O DT 8/8
Optional	FST08	128	Reference Identification Qualifier Code qualifying the reference identification	X DT 2/3
Optional	FST09	127	Reference Identification Date Reference identification as defined for a particular transaction set or as specified by the Reference Identification Qualifier	X DT 1/30

Segment: **SHP** Shipped/Received Information

Loop: SHP Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify shipment and/or receipt information

Syntax Notes: 1...If SHP01 is present, then SHP02 is required.
2...If SHP03 is present, then SHP04 is required.
3...If SHP04 is present, then SHP03 is required.

Semantic Notes: 1 SHP04 is the date shipped, delivered, received, or the cumulative quantity start date (as qualified by SHP03).
2 SHP06 is the cumulative quantity end date.
3 The SHP segment is used to communicate shipment, delivery, or receipt information and may include discrete or cumulative quantities, dates, and times.
4 If SHP01 equals "02", then SHP04 and SHP06 are required to identify the start and end dates of the quantity count.

Examples: SHP*01*900*050*20200429~
SHP*02*30523*051*20200221**20200430~

Data Element Summary

Req.	Ref. Des.	Data Element	Name	Attributes
Required	SHP01	673	Quantity Qualifier	O ID 2/2
			01 Discrete Quantity	
			02 Prior Cum Required	
Required	SHP02	380	Quantity	X R 1/15
			Numeric value of quantity	
Required	SHP03	374	Date/Time Qualifier	X ID 3/3
			Code specifying type of date or time, or both date and time	
			050 Received	
			051 Cumulative Quantity Start	
Required	SHP04	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
			<i>If SHP03 = "050", this date is the Last Shipment Received Date. If SHP03 = "051", this date is the Cumulative Quantity Start date.</i>	
	SHP06	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	
			<i>If SHP03 = "051", this date is the Cumulative Quantity End Date.</i>	

Segment: **REF** Reference Identification
Loop: SHP Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Syntax Notes: At least one of REF02 or REF03 is required.

Examples: SHP*01*900*050*20030229~
REF*SI*10004455~

Data Element Summary

Req.	Ref. Des.	Data Element	Name	Attributes
Required	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification SI Shipper's Identifying Number for Shipment (SID) A unique number (to the shipper) assigned by the shipper to identify the shipment <i>If SHP03 = "050", this is the Last Shipment ID Received.</i>	M ID 2/3
Required	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

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

Examples: CTT*6*162055~

Data Element Summary

Req.	Ref. Des.	Data Element Name	Attributes
Required	CTT01	354 Number of Line Items Total number of line items in the transaction set	M N0 1/6

Segment: **SE** Transaction Set Trailer
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)

Examples: SE*24*56781~

Data Element Summary			
Req.	Ref. Des.	Data Element Name	Attributes
Required	SE01	96 Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
Required	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	M AN 4/9

Example

ST*830*13579~
BFR*00**20200710-001*DL*A*20200710*20201001*20200710~
N1*SU*ABC CORPORATION*92*800001~
N1*ST*LACKS TRIM SYSTEMS – Kraft Assembly*92*1020~
PER*IC*JOHN SMITH*TE*616-949-6570*
LIN**BP*NI1040498*PO*SS2044*EC*~
UIT*EA~
REF*DK*DOCK1~
ATH*FI*20200710*38774**20200101~
ATH*MT*20200915*3822**20201001~
ATH*PQ*20200212*2000**20201001~
FST*1000*C*D*20200720~
FST*2300*D*W*20200728~
FST*2100*D*W*20200811~
FST*4200*D*M*20200901~
SHP*01*900*050*20200429~
REF*SI*10004455~
SHP*02*30523*051*20200221**20200430~
LIN**BP*93735-ZH40A*PO*SS2044*EC*~
UIT*EA~
ATH*FI*20200710*45**20200101~
ATH*MT*20200915*555**20201001~
ATH*PQ*20200212*20**20201001~
FST*1000*C*D*20200720~
FST*2000*D*W*20200814~
FST*4000*D*M*20200901~
SHP*01*15*050*20200429~
REF*SI*10004455~
SHP*02*90*051*20200221**20200430~
CTT*2*162055~
SE*32*13579~

Version	Date of Revision	Page	Segment	Change Description
5.0.0	09/28/20	5	N1	Clarified ST and SU format
		6	PER	Clarified PER contact as Lacks, removed EM data