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	

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	PER	Administrative Communication Contact	O	3	
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**	**M ID 3/3**
			Code uniquely identifying a Transaction Set	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Required	**ST02**	**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	

| | | | Segment: | **BFR** Beginning Segment for Shipping Schedule/Production Sequence |

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*0020200512-001*SH*A*20200512*20200801*20200512~**

Data Element Summary

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

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**	**M ID 2/3**
			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	
	N102	**93**	**Name**	**X AN 1/60**
			Free-form name	
Required	**N103**	**66**	**Identification Code Qualifier**	**X ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)	
			92 Assigned by Buyer or Buyer's Agent	
Required	**N104**	**67**	**Identification Code**	**X AN 2/80**
			Code identifying a party or other code	

	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**	**M ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			BP Buyer's Part Number	
Required	**LIN03**	**234**	**Product/Service ID**	**M AN 1/48**
			Identifying number for a product or service	
			[CLIENT] Part Number	
	LIN04	**235**	**Product/Service ID Qualifier**	**X 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**	**X AN 1/48**
			Identifying number for a product or service	
			[CLIENT] Purchase Order Number	
	LIN06	**235**	**Product/Service ID Qualifier**	**X ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
	LIN07	**234**	**Product/Service ID**	**X AN 1/48**
			Identifying number for a product or service	
			Part Engineering Change Level	
	LIN08	**235**	**Product/Service ID Qualifier**	**X ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
	LIN09	**234**	**Product/Service ID**	**X AN 1/48**
			Identifying number for a product or service	
			Vendor's Part Number	

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**	**M**
			To identify a composite unit of measure	
Required	**C00101**	**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	

        EA   Each
        LB   Pound

Segment: **PER** Administrative Communications Contact
Loop: LIN   Optional
Level: Detail
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**	**M ID 2/2**
			Code identifying the major duty or responsibility of the person or group named	
			IC Lacks Buyer	
	PER02	**93**	**Name**	**O AN 1/60**
			Free-form name	
	PER03	**365**	**Communication Number Qualifier**	**X ID 2/2**
			Code identifying the type of communication number	
			TE Telephone Lacks Number	
	PER04	**364**	**Communication Number**	**X AN 1/80**
			Complete communication number including country or area code	
			PC Piece	

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	**M ID 2/3**
			DK Dock Number	
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.	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** Date expressed as CCYYMMDD	X DT 8/8
Required	ATH03	380	**Quantity** Numeric value of quantity	X R 1/15
Not Used	ATH04	380	**Quantity** Numeric value of quantity	O R 1/15
Required	ATH05	373	**Date** Date expressed as CCYYMMDD	X DT 8/8

	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**	**M R 1/15**
			Numeric value of quantity	
Required	**FST02**	**680**	**Forecast Qualifier**	**M ID 1/1**
			Code specifying the sender's confidence level of the forecast data or an action associated with a forecast	
			C Firm	
			D Planning	
Required	**FST03**	**681**	**Forecast Timing Qualifier**	**M ID 1/1**
			Code specifying interval grouping of the forecast	
			C Daily	
			D Discrete	
			W Weekly	
			M Monthly	
			Date	**M DT 8/8**
Required	**FST04**	**373**	Date expressed as CCYYMMDD	
			Date	**O DT 8/8**
Optional	**FST05**	**373**	Date expressed as CCYYMMDD	
			Reference Identification Qualifier	**X DT 2/3**
Optional	**FST08**	**128**	Code qualifying the reference identification	
			Reference Identification Date	**X DT 1/30**
			Reference identification as defined for a particular transaction set or as specified	
Optional	**FST09**	**127**	by the Reference Identification Qualifier	

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 <mark>Cumulative Received</mark>	
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	
			If SHP03 = "050", this date is the Last Shipment Received Date. If SHP03 = "051", this date is the Cumulative Quantity Start date.	
	SHP06	**373**	**Date**	**O DT 8/8**
			Date expressed as CCYYMMDD	
			If SHP03 = "051", this date is the Cumulative Quantity End Date.	

Segment:	**REF** Reference Identification			

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**	**M ID 2/3**
			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	
			If SHP03 = "050", this is the Last Shipment ID Received.	
Required	**REF02**	**127**	**Reference Identification**	**X AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

	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**	**M N0 1/6**
			Total number of line items in the transaction set	

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**	**M N0 1/10**
			Total number of segments included in a transaction set including ST and SE segments	
Required	**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	

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
	11/18/21	8	PER	Moved PER segment from header to detail
6	12/8/21	2	PER	Moved PER segment from header to detail
7	05/18/2022	12	SHP	Changed description of 02 qualifier to be Cumulative Received (Data is/has been generating properly for this definition)