830 Planning Schedule

ANSI X12

Version 004010

830 Planning Schedule

Transaction Layout:

Heading:

CAMRYN	Pos No	Seg ID	Name	Req Des	Max Use	Loop Repeat	Notes and Examples
Required	010	ST	Transaction Set Header	M	1		
Required	020	BFR	Beginning segment of Planning Schedule	M	1		
			LOOP ID – N1			200	
Required	230	N1	Name	O	1		
	280	PER	Administrative Communication Contac	O	1		

Detail:

CAMRYN	Pos No	Seg ID	Name	Req Des	Max Use	Loop Repeat	Notes and Examples
			LOOP ID – LIN			>1	
Required	010	LIN	Item Identification	O	1		
Required	020	UIT	Unit Detail	O	1		
	230	ATH	Resource Authorization	O	20		
			LOOP ID – N1			200	
Required	320	N1	Name	O	1		
	370	PER	Administrative Communication Contac	O	3		
			LOOP ID – FST			>1	
Required	410	FST	Forecast Schedule	O	1		Note 1.
			LOOP ID – SHP			25	
	470	SHP	Shipped/Received Information	O	1		
	480	REF	Reference Identification	O	5		

Summary:

CAMRYN	Pos No	Seg ID	Name	Req Des	Max Use	Loop Repeat	Notes and Examples
Required	010	CTT	Transaction Totals	O	1		Note 2.
Required	020	SE	Transaction Set Trailer	M	1		

Notes and Examples:

1. For Segment requirements, refer to the column titled "Camryn" in the table above for those segments that are required in the Transaction.
2. For Element requirements, refer to the column titled "Camryn" in the elements table for each segment detailed in the pages that follow. If the segment is used, then these elements are 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: 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

CAMRYN 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
	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:	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**20070212-001*DL*A*20070212*20030227*20070208~**

Data Element Summary

CAMRYN 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	
			01 Cancellation	
			05 Replace	
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 Camryn	
			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	
			C Cumulative 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
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.

Examples:	N1*SU**92*07520000~
	N1*MI**92*0754~

Data Element Summary

CAMRYN 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	
			MI Planning Schedule/Material Release Issuer	
			SU Supplier Manufacturer	
			SF Ship From	
			ST Ship To	
	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)	
			1 D-U-N-S Number, Dun & Bradstreet	
			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:	**PER** Administrative Communications Contact

Position:	280
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*PL*JOE SMITH*TE*800-555-1234*EM*JOE.SMITH@CAMRYNINDUSTRIES.COM

Data Element Summary

CAMRYN Req.	Ref. Des.	Data Element	Name	Attributes
Required	**PER01**	**366**	**Contact Function Code**	**M ID 2/2**
			Code identifying the major duty or responsibility of the person or group named	
			PL Plant Contact	
Required	**PER02**	**93**	**Name**	**O AN 1/60**
			Free-form name	
Required	**PER03**	**365**	**Communication Number Qualifier**	**X ID 2/2**
			Code identifying the type of communication number	
			TE Telephone	
			EM Email	
Required	**PER04**	**364**	**Communication Number**	**X AN 1/80**
			Complete communication number including country or area code when applicable	
			Email id for communication.	
	PER05	**365**	**Communication Number Qualifier**	**X ID 2/2**
			Code identifying the type of communication number	
			EM Email	
	PER06	**364**	**Communication Number**	**X AN 1/80**
			Email id for communication.	

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
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*0983714-0041*PO*405503~
LIN**BP*V37 3832 B45*PO*3882V-017*EC*D~
LIN**BP*Y839 H78*PO*783372*EC*AA*VP*374382~

Data Element Summary

CAMRYN 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	
			Camryn 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	
			CamrynPurchase 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)	
			EC Engineering Change Level	
	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)	
			VP Vendor's (Seller's) Part Number	
	LIN09	**234**	**Product/Service ID**	**X AN 1/48**
			Identifying number for a product or service	
			Vendor's Part Number	

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

Examples: **UIT*EA~**

Data Element Summary

CAMRYN 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
PC   Piece

Segment:	**ATH** Resource Authorization		
Position:	230		
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~

Data Element Summary

CAMRYN Req.	Ref. Des.	Data Element	Name	Attributes
Required	ATH01	672	**Resource Authorization Code** Code identifying the resource which the buyer is authorizing the seller to commit to	M ID 2/2
Required	ATH02	373	**Date** Date expressed as CCYYMMDD	X DT 8/8
Required	ATH03	380	**Quantity** Numeric value of quantity	X R 1/15
	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
Position:	480
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*100*A*D*20030501~
FST*864*D*M*20030512~
FST*1504*D*F*20030510*20030610~
FST*200*D*W*20040101****RE*015~

Data Element Summary

CAMRYN 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	
			A Immediate	
			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**

Segment:		**SHP** Shipped/Received Information		

Position: 470
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*20030229~**
SHP*02*30523*051*2003022120030430~**

Data Element Summary

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

Segment:	**REF** Reference Identification
Position:	480
Loop:	SHP Optional
Level:	Detail
Usage:	Optional
Max Use:	5
Purpose:	To specify identifying information
Syntax Notes:	At least one of REF02 or REF03 is required.

Examples: SHP*01*900*050*20030229~
REF*SI*284721*LAST RCVD SHIPPER ID~
SHP*02*30523*051*20030221**20030430~
REF*ZZ*19064*CUM RCVD QTY~
REF*ZZ*11459*PAST DUE QTY~

Data Element Summary

CAMRYN Req.	Ref. Des.	Data Element	Name	Attributes
Required	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification	**M ID 2/3**

     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.

     ZZ   PAST DUE QTY

                     Contains the past due quantity. A positive number will indicate the past due quantity; a negative number will indicate the quantity the supplier is over shipped. (Note: The past due quantity does not take into account any in-transit shipments or shipments not yet received in the system at the time the schedule is created.)

If SHP03 = "051", this is the Cum received Qty and Past Due Qty

     ZZ   CUM RCVD QTY

                     Contains the cumulative quantity received including the last shipment referenced in the SHP*01 segment

CAMRYN Req.	Ref. Des.	Data Element	Name	Attributes
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**
Required	**REF03**	**352**	**Description** Description for the data specified in the REF02.	**X AN 1/80**

Segment: **CTT** **Transaction Totals**
Position: 010
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

CAMRYN 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	
	CTT02	**347**	**Hash Total**	**O R 1/10**
			Sum of values of the FST quantities.	

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)

Examples: SE*24*56781~

Data Element Summary

CAMRYN 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 set	M AN 4/9

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Example:

```
ISA*00*           *00*           *ZZ*788082092      *ZZ*123123123
*070306*1104*U*00401*000001010*0*P*:~
GS*PS*062442561*123123123*20070306*1104*1010*X*004010~
ST*830*10100001~
BFR*00**20070301-001*DL*A*20070301*20070608*20070301~
N1*SU**92*00900005~
N1*MI**92*0754~
N1*ST**92*0240~
N1*SF**92*00912345~
PER*PL*SALLY CUSTOMER*TE*573-555-1234*EM*JANE.DOE@CAMRYNINDUSTRIES.COM~
LIN**BP*8765432-1234*PO*123456~
UIT*EA~
ATH*FI*20060630*347799**20070314~
ATH*MT*20060630*382529**20070328~
FST*1758*D*W*20070226~
FST*17365*D*W*20070305~
FST*17658*D*W*20070312~
FST*17072*D*W*20070319~
FST*236*D*W*20070326~
FST*12838*D*W*20070402~
FST*17365*D*W*20070409~
FST*16372*D*W*20070416~
FST*16959*D*W*20070423~
FST*18254*D*W*20070430~
FST*13016*D*W*20070507~
FST*13840*D*W*20070514~
FST*17072*D*W*20070521~
FST*17847*D*W*20070528~
FST*16666*D*W*20070604~
FST*0*D*W*20070611~
FST*0*D*W*20070618~
FST*0*D*W*20070625~
FST*0*D*M*20070702~
FST*0*D*M*20070806~
FST*0*D*M*20070903~
FST*0*D*M*20071001~
FST*0*D*M*20071105~
FST*0*D*M*20071203~
SHP*01*10850*050*20070202~
REF*SI*2088444-B0207*LAST RCVD SHIPPER ID~
SHP*02*328676*051*20060630**20070228~
REF*ZZ*315440*CUM RCVD QTY~
REF*ZZ*13236*PAST DUE QTY~
LIN**BP*8765433-12345*PO*123456~
UIT*EA~
ATH*FI*20060711*169039**20070314~
ATH*MT*20060711*184341**20070328~
FST*2928*D*W*20070226~
FST*8781*D*W*20070305~
FST*8782*D*W*20070312~
```

Example (continued):

```
FST*6520*D*W*20070319~
FST*133*D*W*20070326~
FST*5588*D*W*20070402~
FST*9979*D*W*20070409~
FST*9979*D*W*20070416~
FST*5589*D*W*20070423~
FST*5721*D*W*20070430~
FST*5322*D*W*20070507~
FST*5322*D*W*20070514~
FST*5456*D*W*20070521~
FST*12640*D*W*20070528~
FST*12507*D*W*20070604~
FST*0*D*W*20070611~
FST*0*D*W*20070618~
FST*0*D*W*20070625~
FST*0*D*M*20070702~
FST*0*D*M*20070806~
FST*0*D*M*20070903~
FST*0*D*M*20071001~
FST*0*D*M*20071105~
FST*0*D*M*20071203~
SHP*01*16675*050*20070220~
REF*SI*2092642-B0207*LAST RCVD SHIPPER ID~
SHP*02*157330*051*20060711**20070228~
REF*ZZ*157330*CUM RCVD QTY~
REF*ZZ*0*PAST DUE QTY~
LIN**BP*8765435-1234*PO*404041~
UIT*EA~
ATH*FI*20060711*386965**20070314~
ATH*MT*20060711*441401**20070328~
FST*0*D*W*20070226~
FST*26395*D*W*20070305~
FST*27218*D*W*20070312~
FST*27218*D*W*20070319~
FST*13609*D*W*20070326~
FST*12248*D*W*20070402~
FST*27559*D*W*20070409~
FST*27558*D*W*20070416~
FST*24156*D*W*20070423~
FST*2041*D*W*20070430~
FST*0*D*W*20070507~
FST*0*D*W*20070514~
FST*0*D*W*20070521~
FST*0*D*W*20070528~
FST*0*D*W*20070604~
FST*0*D*W*20070611~
FST*1361*D*W*20070618~
FST*0*D*W*20070625~
FST*1701*D*M*20070702~
FST*0*D*M*20070806~
FST*0*D*M*20070903~
FST*3062*D*M*20071001~
```

Example (continued):

```
FST*0*D*M*20071105~
FST*0*D*M*20071203~
SHP*01*9105*050*20070227~
REF*SI*2094355-A0207*LAST RCVD SHIPPER ID~
SHP*02*346961*051*20060711**20070228~
REF*ZZ*346961*CUM RCVD QTY~
REF*ZZ*0*PAST DUE QTY~
CTT*3*513691~
SE*109*10100001~
GE*1*1010~
IEA*1*000001010~
```