

# 830 Planning Schedule with Release Capability

Functional Group ID=**PS**

## Transaction Layout:

### Heading:

<u>ARM Req.</u>	<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 Examples</u>
Required	010	ST	Transaction Set Header	M	1		
Required	020	BFR	Beginning Segment for Planning Schedule	M	1		
LOOP ID - N1							200
Required	230	N1	Name	O	1		

### Detail:

<u>ARM Req.</u>	<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 Examples</u>
LOOP ID - LIN							>1
Required	010	LIN	Item Identification	M	1		
Required	020	UIT	Unit Detail	O	1		
	020	ATH	Resource Authorization	O	20		
LOOP ID - N1							200
Required	320	N1	Name	O	1		
	360	REF	Reference Identification	O	12		
	370	PER	Administrative Communications Contact	O	3		
LOOP ID - FST							>1
Required	410	FST	Forecast Schedule	O	1		n1
LOOP ID - SHP							25
	470	SHP	Shipped/Received Information	O	1		
	480	REF	Reference Identification	O	5		

### Summary:

<u>ARM Req.</u>	<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 Examples</u>
Required	010	CTT	Transaction Totals	O	1		n2
Required	020	SE	Transaction Set Trailer	M	1		

## ArvinMeritor Segment/Element Usage Notes

1. For Segment requirements, refer to the column titled "ARM Req." in the table above for those segments that are required in the transaction.
2. For Element requirements, refer to the column titled "ARM Req." in the element tables 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

**Semantic Notes:** 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

**Examples:** ST\*830\*56781~

**Data Element Summary**

<u>ARM</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Req.</u> Required	<u>Des.</u> ST01	<u>Element</u> 143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set Refer to 004010 Data Element Dictionary for acceptable code values.	<b>M ID 3/3</b>
<b>Required</b>	<b>ST02</b>	<b>329</b>	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	<b>M AN 4/9</b>

**Segment:** **BFR** Beginning Segment for Planning Schedule  
**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:** 1 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 (envelope) begins.  
 2 BFR07 is the forecast horizon end date: The date when the forecast horizon (envelope) ends.  
 3 BFR08 is the date forecast generated: The date the forecast data was generated.

**Examples:** BFR\*05\*\*20030428-001\*SH\*A\*20030428\*20030428\*20030430~

**Data Element Summary**

<u>ARM</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Req.</u>	<u>Des.</u>	<u>Element</u>		
Required	BFR01	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set 00 Original 01 Cancellation 05 Replace	M ID 2/2
Required	BFR03	328	<b>Release Number</b> Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	X AN 1/30
Required	BFR04	675	<b>Schedule Type Qualifier</b> Code identifying the type of dates used when defining a shipping or delivery time in a schedule or forecast DL Delivery Based – Due at ARM SH Shipment Based – Due to ship from Vendor	M ID 2/2
Required	BFR05	676	<b>Schedule Quantity Qualifier</b> Code identifying the type of quantities used when defining a schedule or forecast A Actual Discrete Quantities C Cumulative Quantities	M ID 1/1
Required	BFR06	373	<b>Horizon Start Date</b> Date expressed as CCYYMMDD	M DT 8/8
Required	BFR07	373	<b>Horizon End Date</b> Date expressed as CCYYMMDD	O DT 8/8
Required	BFR08	373	<b>Release Date</b> Date expressed as CCYYMMDD	M DT 8/8

**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.  
**Semantic Notes:** 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
  
**Examples:** N1\*SU\*\*92\*200458172~  
 N1\*MI\*\*1\*057174658~

Data Element Summary

<u>ARM</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Req.</u>	<u>Des.</u>	<u>Element</u>		
Required	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual MI Planning Schedule/Material Release Issuer SU Supplier/Manufacturer	M ID 2/3
	N102	93	<b>Name</b> Free-form name	X AN 1/60
Required	N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 12 Telephone Number (Phone) 92 Assigned by Buyer or Buyer's Agent ZZ Mutually Defined	X ID 1/2
Required	N104	67	<b>Identification Code</b> Code identifying a party or other code	X AN 2/80

**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 LIN08 or LIN09 is present, then the other is required.

**Examples:** LIN\*\*BP\*C60135-039\*PO\*63682~  
 LIN\*\*BP\*V37 3832 B45\*PO\*3882V-017\*EC\*D~  
 LIN\*\*BP\*Y839 H78\*PO\*783372\*EC\*AA\*VP\*374382~

Data Element Summary

ARM Req. Required	Ref. Des. LIN02	Data Element 235	Name	Attributes
			<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) BP Buyer's Part Number	M ID 2/2
Required	LIN03	234	<b>Product/Service ID</b> Identifying number for a product or service <i>The ArvinMeritor part number as indicated in your Purchase Order.</i>	M AN 1/48
Required	LIN04	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) PO Purchase Order Number	X ID 2/2
Required	LIN05	234	<b>Product/Service ID</b> Identifying number for a product or service <i>The ArvinMeritor assigned purchase order number.</i>	X AN 1/48
	LIN06	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) EC Engineering Change Level	X ID 2/2
	LIN07	234	<b>Product/Service ID</b> Identifying number for a product or service <i>Engineering Change Level for this ArvinMeritor part.</i>	X AN 1/48
	LIN08	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) VP Vendor's (Seller's) Part Number	X ID 2/2
	LIN09	234	<b>Product/Service ID</b> Identifying number for a product or service <i>Vendor's Part Number</i>	X AN 1/48

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

**Data Element Summary**

<u>ARM</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>Req.</b> Required	<b>Des.</b> UIT01	<b>Element</b> C001	<b>Composite Unit of Measure</b> To identify a composite unit of measure (See Figures Appendix for examples of use)	<b>M</b>
<b>Required</b>	<b>C00101</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <i>Refer to the part unit of measure on your ArvinMeritor Purchase Order.</i>	<b>M ID 2/2</b>

**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**

<u>ARM</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Req.</u>	<u>Des.</u>	<u>Element</u>		
Required	ATH01	672	<b>Resource Authorization Code</b> Code identifying the resource which the buyer is authorizing the seller to commit to Refer to 004010 Data Element Dictionary for acceptable code values.	<b>M ID 2/2</b>
Required	ATH02	373	<b>Date</b> Date expressed as CCYYMMDD	<b>X DT 8/8</b>
Required	ATH03	380	<b>Quantity</b> Numeric value of quantity	<b>X R 1/15</b>
	ATH04	380	<b>Quantity</b> Numeric value of quantity	<b>O R 1/15</b>
Required	ATH05	373	<b>Date</b> Date expressed as CCYYMMDD	<b>X DT 8/8</b>

**Segment:** **N1** Name  
**Position:** 320  
**Loop:** N1 Optional  
**Level:** Detail  
**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\*ST\*ARM-LVS Marion\*1\*009667749~  
 N1\*Sf\*\*92\*63602~

Data Element Summary

ARM	Ref.	Data			Attributes
<u>Req.</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Required	N101	98	<b>Entity Identifier Code</b>		<b>M ID 2/3</b>
			Code identifying an organizational entity, a physical location, property or an individual		
			SF	Ship From	
			ST	Ship To	
	N102	93	<b>Name</b>		<b>X AN 1/60</b>
			Free-form name		
Required	N103	66	<b>Identification Code Qualifier</b>		<b>X ID 1/2</b>
			Code designating the system/method of code structure used for Identification Code (67)		
			1	D-U-N-S Number, Dun & Bradstreet	
			12	Telephone Number (Phone)	
			92	Assigned by Buyer or Buyer's Agent	
			ZZ	Mutually Defined	
Required	N104	67	<b>Identification Code</b>		<b>X AN 2/80</b>
			Code identifying a party or other code		

**Segment:** **REF** Reference Identification  
**Position:** 360  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
  
**Examples:** REF\*DK\*WK1~  
REF\*LF\*L103~

Data Element Summary

<u>ARM</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>Required</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification DK Dock Number LF Assembly Line Feed Location	<b>M ID 2/3</b>
<b>Required</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <i>The dock code or line feed location for the ArvinMeritorShip-to.</i>	<b>X AN 1/30</b>

**Segment:** **PER** Administrative Communications Contact  
**Position:** 370  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:** 1 If either PER03 or PER04 is present, then the other is required.  
**Examples:** PER\*CN\*JERRY COSIGN\*TE\*678-456-9876~

Data Element Summary

<u>ARM</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>Required</b>	<b>PER01</b>	<b>366</b>	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named BD Buyer Name or Department CN General Contact	<b>M ID 2/2</b>
<b>Required</b>	<b>PER02</b>	<b>93</b>	<b>Name</b> Free-form name	<b>O AN 1/60</b>
<b>Required</b>	<b>PER03</b>	<b>365</b>	<b>Communication Number Qualifier</b> Code identifying the type of communication number FX Facsimile TE Telephone	<b>X ID 2/2</b>
<b>Required</b>	<b>PER04</b>	<b>364</b>	<b>Communication Number</b> Complete communications number including country or area code when applicable	<b>X AN 1/80</b>

**Segment:** **FST** Forecast Schedule  
**Position:** 410  
**Loop:** FST Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the forecasted dates and quantities

- Semantic Notes:**
- 1 If FST03 equals "F" (indicating flexible interval), 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 forecasted bucket (weekly, monthly, quarterly, 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**

<u>ARM</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>Req.</b> Required	<b>FST01</b>	<b>380</b>	<b>Quantity</b> Numeric value of quantity	<b>M R 1/15</b>
<b>Required</b>	<b>FST02</b>	<b>680</b>	<b>Forecast Qualifier</b> Code specifying the sender's confidence level of the forecast data or an action associated with a forecast A Immediate C Firm D Planning	<b>M ID 1/1</b>
<b>Required</b>	<b>FST03</b>	<b>681</b>	<b>Forecast Timing Qualifier</b> Code specifying interval grouping of the forecast C Daily D Discrete F Flexible Interval (from Date X through Date Y) M Monthly Bucket (Calendar Months) W Weekly Bucket (Monday through Sunday)	<b>M ID 1/1</b>
<b>Required</b>	<b>FST04</b>	<b>373</b>	<b>Date</b> Date expressed as CCYYMMDD <i>If FST03 = "F", then this date is the Flexible Period Begin Date. For all other qualifiers, this date represents the requirement date.</i>	<b>M DT 8/8</b>
	<b>FST05</b>	<b>373</b>	<b>Date</b> Date expressed as CCYYMMDD <i>If FST03 is "F", then this date is the Flexible Period End Date.</i>	<b>O DT 8/8</b>
	<b>FST08</b>	<b>128</b>	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification RE Release Number	<b>X ID 2/3</b>
	<b>FST09</b>	<b>127</b>	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <i>The Release Number for this forecast quantity.</i>	<b>X AN 1/30</b>

**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 at least one of SHP04 or SHP05 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.
- 3 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\*20030221\*\*20030430~

**Data Element Summary**

<u>ARM</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Req.</u>	<u>Des.</u>	<u>Element</u>		
Required	SHP01	673	<b>Quantity Qualifier</b> Code specifying the type of quantity 01 Discrete Quantity 02 Cumulative Quantity	O ID 2/2
Required	SHP02	380	<b>Quantity</b> Numeric value of quantity	X R 1/15
Required	SHP03	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time 050 Received 051 Cumulative Quantity Start	X ID 3/3
Required	SHP04	373	<b>Date</b> 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>	X DT 8/8
	SHP06	373	<b>Date</b> Date expressed as CCYYMMDD <i>If SHP03 = "051", this date is the Cumulative Quantity End Date.</i>	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:** 1 At least one of REF02 or REF03 is required.  
  
**Examples:** REF\*SI\*284721~

Data Element Summary

<u>ARM</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>Required</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> 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>	<b>M ID 2/3</b>
<b>Required</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	<b>X AN 1/30</b>

**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**

<u>ARM</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>Req.</b> Required	<b>Des.</b> CTT01	<b>Element</b> 354	<b>Number of Line Items</b> Total number of line items in the transaction set <i>Total number of parts in this release.</i>	<b>M</b> N0 1/6
	CTT02	347	<b>Hash Total</b> <i>Hash total of all quantities in the FST segments.</i>	<b>O</b> R 1/10

**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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Required	SE01	96	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
Required	SE02	329	<b>Transaction Set Control Number</b> 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