

# 830 Planning Schedule with Release Capability

Functional Group ID=**PS**

## 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.

## Notes:

**1. Organizations use this transaction set to transmit Special Program Requirements (SPRs) to Inventory Control Points (ICPs)/Integrated Material Managers (IMMs).**

**2. Use one occurrence of this transaction set to transmit a single or multiple transactions.**

**3. DoD logistics users should refer to the Defense Logistics Management System (DLMS) Supplement to the Federal Implementation Convention (IC) available at URL: <http://www.dla.mil/j-6/dlms>. The DLMS Supplement provides specific business rules, conditions, and authorized codes necessary for appropriate use of this IC within the DLMS.**

## Heading:

<u>Page No.</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 Comments</u>
5	010	ST	Transaction Set Header	M	1		
6	020	BFR	Beginning Segment for Planning Schedule	M	1		
Not Used	025	XPO	Preassigned Purchase Order Numbers	O	>1		
Not Used	040	CUR	Currency	O	1		
Not Used	050	REF	Reference Identification	O	12		
Not Used	060	PER	Administrative Communications Contact	O	3		
Not Used	070	TAX	Tax Reference	O	3		
Not Used	080	FOB	F.O.B. Related Instructions	O	1		
Not Used	090	CTP	Pricing Information	O	25		
Not Used	100	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
Not Used	110	CSH	Sales Requirements	O	1		

830R (R1) Special Program Requirements

Not Used	120	ITD	Terms of Sale/Deferred Terms of Sale	O	2
Not Used	130	DTM	Date/Time Reference	O	10
Not Used	140	PID	Product/Item Description	O	200
Not Used	150	MEA	Measurements	O	40
Not Used	160	PWK	Paperwork	O	25
Not Used	170	PKG	Marking, Packaging, Loading	O	25
Not Used	180	TD1	Carrier Details (Quantity and Weight)	O	2
Not Used	190	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	200	TD3	Carrier Details (Equipment)	O	12
Not Used	210	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	220	MAN	Marks and Numbers	O	10
<b>LOOP ID - N1</b>					<b>200</b>
8	230	N1	Name	O	1
Not Used	240	N2	Additional Name Information	O	2
Not Used	250	N3	Address Information	O	2
Not Used	260	N4	Geographic Location	O	1
Not Used	270	REF	Reference Identification	O	12
Not Used	280	PER	Administrative Communications Contact	O	3
Not Used	290	FOB	F.O.B. Related Instructions	O	1
<b>LOOP ID - LM</b>					<b>&gt;1</b>
Not Used	300	LM	Code Source Information	O	1
Not Used	310	LQ	Industry Code	M	100

**Detail:**

<u>Page No.</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 Comments</u>
<b>LOOP ID - LIN</b>							<b>&gt;1</b>
10	010	LIN	Item Identification	M	1		
Not Used	020	UIT	Unit Detail	O	1		
Not Used	021	DTM	Date/Time Reference	O	10		
Not Used	030	CUR	Currency	O	1		
Not Used	060	PO3	Additional Item Detail	O	25		
Not Used	070	CTP	Pricing Information	O	25		
Not Used	080	PID	Product/Item Description	O	1000		
Not Used	090	MEA	Measurements	O	40		
13	100	PWK	Paperwork	O	25		
Not Used	110	PKG	Marking, Packaging, Loading	O	25		
Not Used	120	PO4	Item Physical Details	O	1		
Not Used	130	PRS	Part Release Status	O	1		
15	140	REF	Reference Identification	O	12		
Not Used	150	PER	Administrative Communications Contact	O	3		
Not Used	170	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
Not Used	180	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
Not Used	190	TAX	Tax Reference	O	3		

830R (R1) Special Program Requirements

Not Used	200	FOB	F.O.B. Related Instructions	O	1	
Not Used	210	LDT	Lead Time	O	12	
Not Used	220	QTY	Quantity	O	>1	n1
Not Used	230	ATH	Resource Authorization	O	20	
Not Used	240	TD1	Carrier Details (Quantity and Weight)	O	1	
Not Used	250	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	260	TD3	Carrier Details (Equipment)	O	12	
Not Used	270	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	280	MAN	Marks and Numbers	O	10	
Not Used	290	DD	Demand Detail	O	10	
LOOP ID - SLN					100	
Not Used	300	SLN	Subline Item Detail	O	1	
Not Used	310	PID	Product/Item Description	O	1000	
Not Used	315	NM1	Individual or Organizational Name	O	10	
LOOP ID - N1					200	
17	320	N1	Name	O	1	
Not Used	330	N2	Additional Name Information	O	2	
Not Used	340	N3	Address Information	O	2	
Not Used	350	N4	Geographic Location	O	1	
Not Used	360	REF	Reference Identification	O	12	
Not Used	370	PER	Administrative Communications Contact	O	3	
Not Used	380	FOB	F.O.B. Related Instructions	O	1	
LOOP ID - LM					>1	
19	390	LM	Code Source Information	O	1	
20	400	LQ	Industry Code	M	100	
LOOP ID - FST					>1	
21	410	FST	Forecast Schedule	O	1	n2
Not Used	415	QTY	Quantity	O	>1	
23	420	SDQ	Destination Quantity	O	50	
LOOP ID - LM					>1	
25	430	LM	Code Source Information	O	1	
26	440	LQ	Industry Code	M	100	
LOOP ID - SDP					260	
Not Used	450	SDP	Ship/Delivery Pattern	O	1	
Not Used	460	FST	Forecast Schedule	O	260	
LOOP ID - SHP					25	
Not Used	470	SHP	Shipped/Received Information	O	1	
Not Used	480	REF	Reference Identification	O	5	

**Summary:**

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Not Used	010	CTT	Transaction Totals	O	1		n3



**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:** 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).  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 830 Planning Schedule with Release Capability	<b>M ID 3/3</b>
M	ST02	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 <i>A unique number assigned by the originator of the transaction set, or the originator's application program.</i>	<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 If BFR01 contains the value "04" (Net Change), BFR09 is required.
- 2 BFR02 is the identifying number for a forecast assigned by the orderer/purchaser.
- 3 BFR06 is the forecast horizon start date: The date when the forecast horizon (envelope) begins.
- 4 BFR07 is the forecast horizon end date: The date when the forecast horizon (envelope) ends.
- 5 BFR08 is the date forecast generated: The date the forecast data was generated.
- 6 BFR09 is the date forecast updated: The date the forecast was updated with "net change" data. (Used only when data element 353 in BFR01 contains the value "04", meaning net change.)

**Comments:**

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	BFR01	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set 00 Original 77 Simulation Exercise	M ID 2/2
Must Use	BFR02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <i>Use code "Z" for this data element to satisfy mandatory X12 syntax requirements.</i>	X AN 1/30
Not Used	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
M	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 PR Planned Requirement Based	M ID 2/2
M	BFR05	676	<b>Schedule Quantity Qualifier</b> Code identifying the type of quantities used when defining a schedule or forecast	M ID 1/1

		A		Actual Discrete Quantities	
<b>M</b>	<b>BFR06</b>	<b>373</b>	<b>Date</b>	<b>M</b>	<b>DT 8/8</b>
			Date expressed as CCYYMMDD		
			<i>Must use to identify the forecast period start date for which all identified material support should be available. This date represents the outside start date for all table 2 iterations.</i>		
	<b>BFR07</b>	<b>373</b>	<b>Date</b>	<b>O</b>	<b>DT 8/8</b>
			Date expressed as CCYYMMDD		
			<i>Use to identify the forecast period end date for which all identified material support should be available. This date represents the outside end date for all table 2 iterations.</i>		
<b>M</b>	<b>BFR08</b>	<b>373</b>	<b>Date</b>	<b>M</b>	<b>DT 8/8</b>
			Date expressed as CCYYMMDD		
			<i>Use to identify the transaction set preparation date. This date corresponds to the Universal Time Coordinate (UTC).</i>		
<b>Not Used</b>	<b>BFR09</b>	<b>373</b>	<b>Date</b>	<b>O</b>	<b>DT 8/8</b>
			Date expressed as CCYYMMDD		
<b>Not Used</b>	<b>BFR10</b>	<b>367</b>	<b>Contract Number</b>	<b>O</b>	<b>AN 1/30</b>
			Contract number		
<b>Not Used</b>	<b>BFR11</b>	<b>324</b>	<b>Purchase Order Number</b>	<b>O</b>	<b>AN 1/22</b>
			Identifying number for Purchase Order assigned by the orderer/purchaser		
<b>Must Use</b>	<b>BFR12</b>	<b>783</b>	<b>Planning Schedule Type Code</b>	<b>O</b>	<b>ID 2/2</b>
			Code identifying type of planning schedule used		
			XA Requirement Forecast		
	<b>BFR13</b>	<b>306</b>	<b>Action Code</b>	<b>O</b>	<b>ID 1/2</b>
			Code indicating type of action		
			OT Other Unlisted Action		

<b>Segment:</b>	<b>N1</b> Name
<b>Position:</b>	230
<b>Loop:</b>	N1 Optional (Must Use)
<b>Level:</b>	Heading
<b>Usage:</b>	Optional (Must Use)
<b>Max Use:</b>	1
<b>Purpose:</b>	To identify a party by type of organization, name, and code
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of N102 or N103 is required.</li> <li>2 If either N103 or N104 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	
<b>Comments:</b>	<ol style="list-style-type: none"> <li>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.</li> <li>2 N105 and N106 further define the type of entity in N101.</li> </ol>
<b>Notes:</b>	<i>Must use this 1/N1/230 loop to identify the organization originating the transaction set.</i>

#### Data Element Summary

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element Name</b>	
<b>M</b>	<b>N101</b>	<b>98 Entity Identifier Code</b>	<b>M ID 2/3</b>
		Code identifying an organizational entity, a physical location, property or an individual	
		<i>Use any code.</i>	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>Not Used</b>	<b>N102</b>	<b>93 Name</b>	<b>X AN 1/60</b>
		Free-form name	
<b>Must Use</b>	<b>N103</b>	<b>66 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	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		10 Department of Defense Activity Address Code (DODAAC)	
		M4 Department of Defense Routing Identifier Code (RIC)	
		An integral and predetermined participant in an established logistical system performing general logistic control, distribution, and storage functions	
<b>Must Use</b>	<b>N104</b>	<b>67 Identification Code</b>	<b>X AN 2/80</b>
		Code identifying a party or other code	
<b>Not Used</b>	<b>N105</b>	<b>706 Entity Relationship Code</b>	<b>O ID 2/2</b>
		Code describing entity relationship	
<b>Must Use</b>	<b>N106</b>	<b>98 Entity Identifier Code</b>	<b>O ID 2/3</b>

Code identifying an organizational entity, a physical location, property or an individual

FR

Message From

***Must use to indicate the organization cited in N104 is originating the transaction set.***

**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.
- 4 If either LIN10 or LIN11 is present, then the other is required.
- 5 If either LIN12 or LIN13 is present, then the other is required.
- 6 If either LIN14 or LIN15 is present, then the other is required.
- 7 If either LIN16 or LIN17 is present, then the other is required.
- 8 If either LIN18 or LIN19 is present, then the other is required.
- 9 If either LIN20 or LIN21 is present, then the other is required.
- 10 If either LIN22 or LIN23 is present, then the other is required.
- 11 If either LIN24 or LIN25 is present, then the other is required.
- 12 If either LIN26 or LIN27 is present, then the other is required.
- 13 If either LIN28 or LIN29 is present, then the other is required.
- 14 If either LIN30 or LIN31 is present, then the other is required.

**Semantic Notes:**

- 1 LIN01 is the line item identification

**Comments:**

- 1 See the Data Dictionary for a complete list of IDs.
- 2 LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

**Notes:** *Must use the 2/LIN/010 loop to identify the type of transaction, material, transaction number, and information associated with the projected requirement.*

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	LIN01	350 Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
M	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)	
		<i>Use any code.</i>	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
M	LIN03	234 Product/Service ID	M AN 1/48
		Identifying number for a product or service	
	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)	

*Use any code.*

Refer to 004010 Data Element Dictionary for acceptable code values.

	<b>LIN05</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/48</b>
			Identifying number for a product or service	
<b>Not Used</b>	<b>LIN06</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
<b>Not Used</b>	<b>LIN07</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/48</b>
			Identifying number for a product or service	
<b>Not Used</b>	<b>LIN08</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
<b>Not Used</b>	<b>LIN09</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/48</b>
			Identifying number for a product or service	
<b>Not Used</b>	<b>LIN10</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
<b>Not Used</b>	<b>LIN11</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/48</b>
			Identifying number for a product or service	
<b>Not Used</b>	<b>LIN12</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
<b>Not Used</b>	<b>LIN13</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/48</b>
			Identifying number for a product or service	
<b>Not Used</b>	<b>LIN14</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
<b>Not Used</b>	<b>LIN15</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/48</b>
			Identifying number for a product or service	
<b>Not Used</b>	<b>LIN16</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
<b>Not Used</b>	<b>LIN17</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/48</b>
			Identifying number for a product or service	
<b>Not Used</b>	<b>LIN18</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
<b>Not Used</b>	<b>LIN19</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/48</b>
			Identifying number for a product or service	
<b>Not Used</b>	<b>LIN20</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	

Not Used	LIN21	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
Not Used	LIN22	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN23	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
Not Used	LIN24	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN25	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
Not Used	LIN26	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN27	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
Not Used	LIN28	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN29	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
Not Used	LIN30	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN31	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48

<b>Segment:</b>	<b>PWK</b> Paperwork
<b>Position:</b>	100
<b>Loop:</b>	LIN Mandatory
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	25
<b>Purpose:</b>	To identify the type or transmission or both of paperwork or supporting information
<b>Syntax Notes:</b>	1 If either PWK05 or PWK06 is present, then the other is required.
<b>Semantic Notes:</b>	
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 PWK05 and PWK06 may be used to identify the addressee by a code number.</li> <li>2 PWK07 may be used to indicate special information to be shown on the specified report.</li> <li>3 PWK08 may be used to indicate action pertaining to a report.</li> </ol>
<b>Notes:</b>	<i>Use of this segment requires manual intervention and should only be used in extraordinary extraordinary circumstances.</i>

## Data Element Summary

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b><u>Des.</u></b>	<b><u>Element</u> <u>Name</u></b>	
M	PWK01	755 <b>Report Type Code</b>	M ID 2/2
		Code indicating the title or contents of a document, report or supporting item	
		R6 Miscellaneous Information	
Not Used	PWK02	756 <b>Report Transmission Code</b>	O ID 1/2
		Code defining timing, transmission method or format by which reports are to be sent	
Not Used	PWK03	757 <b>Report Copies Needed</b>	O N0 1/2
		The number of copies of a report that should be sent to the addressee	
Not Used	PWK04	98 <b>Entity Identifier Code</b>	O ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
Not Used	PWK05	66 <b>Identification Code Qualifier</b>	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
Not Used	PWK06	67 <b>Identification Code</b>	X AN 2/80
		Code identifying a party or other code	
	PWK07	352 <b>Description</b>	O AN 1/80
		A free-form description to clarify the related data elements and their content	
Not Used	PWK08	C002 <b>Actions Indicated</b>	O
		Actions to be performed on the piece of paperwork identified	
Not Used	C00201	704 <b>Paperwork/Report Action Code</b>	M ID 1/2
		Code specifying how the paperwork or report that is identified in the PWK	

			segment relates to the transaction set or to identify the action that is required	
<b>Not Used</b>	<b>C00202</b>	<b>704</b>	<b>Paperwork/Report Action Code</b>	<b>O ID 1/2</b>
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required	
<b>Not Used</b>	<b>C00203</b>	<b>704</b>	<b>Paperwork/Report Action Code</b>	<b>O ID 1/2</b>
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required	
<b>Not Used</b>	<b>C00204</b>	<b>704</b>	<b>Paperwork/Report Action Code</b>	<b>O ID 1/2</b>
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required	
<b>Not Used</b>	<b>C00205</b>	<b>704</b>	<b>Paperwork/Report Action Code</b>	<b>O ID 1/2</b>
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required	
<b>Not Used</b>	<b>PWK09</b>	<b>1525</b>	<b>Request Category Code</b>	<b>O ID 1/2</b>
			Code indicating a type of request	

<b>Segment:</b>	<b>REF</b> Reference Identification
<b>Position:</b>	140
<b>Loop:</b>	LIN Mandatory
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Must Use)
<b>Max Use:</b>	12
<b>Purpose:</b>	To specify identifying information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 At least one of REF02 or REF03 is required.</li> <li>2 If either C04003 or C04004 is present, then the other is required.</li> <li>3 If either C04005 or C04006 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 REF04 contains data relating to the value cited in REF02.</li> </ol>
<b>Comments:</b>	
<b>Notes:</b>	<i>Must use to identify the transaction number associated with the SPR forecast.</i>

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification <i>Use any code.</i> Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/3
Must Use	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content	X AN 1/80
Not Used	REF04	C040	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
Not Used	C04001	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	M ID 2/3
Not Used	C04002	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
Not Used	C04003	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	X ID 2/3
Not Used	C04004	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	C04005	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	X ID 2/3
Not Used	C04006	127	<b>Reference Identification</b>	X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**Segment:** **N1** Name  
**Position:** 320  
**Loop:** N1 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**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:**  
**Comments:** 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.  
 2 N105 and N106 further define the type of entity in N101.

**Notes:** 1. *Must use one iteration of this 2/N1/320 loop to identify the organization to receive the transaction.*  
 2. *Use additional iterations to identify other organizations associated with the transaction.*

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual <i>Use any code.</i> Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/3
Not Used	N102	93	<b>Name</b> Free-form name	X AN 1/60
Must Use	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 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 10 Department of Defense Activity Address Code (DODAAC) A2 Military Assistance Program Address Code (MAPAC) Contained in the Military Assistance Program Address Directory (MAPAD); represents the location of an entity M4 Department of Defense Routing Identifier Code (RIC) An integral and predetermined participant in an established logistical system performing general	X ID 1/2

logistic control, distribution, and storage functions

**Must Use**    **N104**    **67**    **Identification Code**    **X AN 2/80**  
 Code identifying a party or other code

**Not Used**    **N105**    **706**    **Entity Relationship Code**    **O ID 2/2**  
 Code describing entity relationship

**N106**    **98**    **Entity Identifier Code**    **O ID 2/3**  
 Code identifying an organizational entity, a physical location, property or an individual

TO                      Message To

*Must use with 2/N101/320 code KA to identify the organization cited in N104 is receiving the transaction.*

**Segment:** **LM** Code Source Information  
**Position:** 390  
**Loop:** LM Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To transmit standard code list identification information  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 LM02 identifies the applicable industry code list source information.  
**Notes:** *Use the 2/LM/390 loop to identify coded information maintained in department or agency documentation.*

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	LM01	559 Agency Qualifier Code Code identifying the agency assigning the code values DF Department of Defense (DoD)	M ID 2/2
Not Used	LM02	822 Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O AN 1/15

**Segment:** **LQ Industry Code**  
**Position:** 400  
**Loop:** LM Optional (Must Use)  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 100  
**Purpose:** Code to transmit standard industry codes  
**Syntax Notes:** 1 If LQ01 is present, then LQ02 is required.  
**Semantic Notes:**  
**Comments:**  
**Notes:** *Use to identify codes, as appropriate, consistent with management information requirements.*

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	LQ01	1270 Code List Qualifier Code Code identifying a specific industry code list <i>Use any code.</i>	O ID 1/3
Must Use	LQ02	1271 Industry Code Code indicating a code from a specific industry code list	X AN 1/30

<b>Segment:</b>	<b>FST</b> Forecast Schedule
<b>Position:</b>	410
<b>Loop:</b>	FST Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional (Must Use)
<b>Max Use:</b>	1
<b>Purpose:</b>	To specify the forecasted dates and quantities
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If either FST06 or FST07 is present, then the other is required.</li> <li>2 If either FST08 or FST09 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>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.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 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.</li> <li>2 FST06 qualifies the time in FST07. The purpose of the FST07 element is to express the specific time of day in a 24-hour clock to satisfy "just-in-time" requirements. As an alternative, the ship/delivery pattern segment (SDP) may be used to define an approximate time, such as a.m. or p.m.</li> </ol>

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	FST01	380 <b>Quantity</b>	M R 1/15
		Numeric value of quantity	
		<i>Express as a number with no decimal.</i>	
M	FST02	680 <b>Forecast Qualifier</b>	M ID 1/1
		Code specifying the sender's confidence level of the forecast data or an action associated with a forecast	
		D Planning	
		W Cancellation	
		X Modification	
M	FST03	681 <b>Forecast Timing Qualifier</b>	M ID 1/1
		Code specifying interval grouping of the forecast	
		D Discrete	
M	FST04	373 <b>Date</b>	M DT 8/8
		Date expressed as CCYYMMDD	
Not Used	FST05	373 <b>Date</b>	O DT 8/8
		Date expressed as CCYYMMDD	
Not Used	FST06	374 <b>Date/Time Qualifier</b>	X ID 3/3
		Code specifying type of date or time, or both date and time	
Not Used	FST07	337 <b>Time</b>	X TM 4/8
		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)

	<b>FST08</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	<b>X</b>	<b>ID 2/3</b>
			Code qualifying the Reference Identification		
			W8                      Suffix		
			Differentiates between partial actions taken on the original transaction		
	<b>FST09</b>	<b>127</b>	<b>Reference Identification</b>	<b>X</b>	<b>AN 1/30</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
<b>Not Used</b>	<b>FST10</b>	<b>783</b>	<b>Planning Schedule Type Code</b>	<b>O</b>	<b>ID 2/2</b>
			Code identifying type of planning schedule used		

<b>Segment:</b>	<b>SDQ</b> Destination Quantity
<b>Position:</b>	420
<b>Loop:</b>	FST Optional (Must Use)
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	50
<b>Purpose:</b>	To specify destination and quantity detail
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If either SDQ05 or SDQ06 is present, then the other is required.</li> <li>2 If either SDQ07 or SDQ08 is present, then the other is required.</li> <li>3 If either SDQ09 or SDQ10 is present, then the other is required.</li> <li>4 If either SDQ11 or SDQ12 is present, then the other is required.</li> <li>5 If either SDQ13 or SDQ14 is present, then the other is required.</li> <li>6 If either SDQ15 or SDQ16 is present, then the other is required.</li> <li>7 If either SDQ17 or SDQ18 is present, then the other is required.</li> <li>8 If either SDQ19 or SDQ20 is present, then the other is required.</li> <li>9 If either SDQ21 or SDQ22 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	1 SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 SDQ02 is used only if different than previously defined in the transaction set.</li> <li>2 SDQ03 is the store number.</li> <li>3 SDQ23 may be used to identify areas within a store, e.g., front room, back room, selling outpost, end aisle display, etc. The value is agreed to by trading partners or industry conventions.</li> </ol>

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SDQ01	355	<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 Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
Not Used	SDQ02	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67)	O ID 1/2
M	SDQ03	67	<b>Identification Code</b> Code identifying a party or other code <i>Use any acceptable value to satisfy mandatory X12 syntax requirements.</i>	M AN 2/80
M	SDQ04	380	<b>Quantity</b> Numeric value of quantity <i>Use any acceptable value to satisfy mandatory X12 syntax requirements.</i>	M R 1/15
Not Used	SDQ05	67	<b>Identification Code</b> Code identifying a party or other code	X AN 2/80
Not Used	SDQ06	380	<b>Quantity</b>	X R 1/15

			Numeric value of quantity		
Not Used	SDQ07	67	<b>Identification Code</b>	X	AN 2/80
			Code identifying a party or other code		
Not Used	SDQ08	380	<b>Quantity</b>	X	R 1/15
			Numeric value of quantity		
Not Used	SDQ09	67	<b>Identification Code</b>	X	AN 2/80
			Code identifying a party or other code		
Not Used	SDQ10	380	<b>Quantity</b>	X	R 1/15
			Numeric value of quantity		
Not Used	SDQ11	67	<b>Identification Code</b>	X	AN 2/80
			Code identifying a party or other code		
Not Used	SDQ12	380	<b>Quantity</b>	X	R 1/15
			Numeric value of quantity		
Not Used	SDQ13	67	<b>Identification Code</b>	X	AN 2/80
			Code identifying a party or other code		
Not Used	SDQ14	380	<b>Quantity</b>	X	R 1/15
			Numeric value of quantity		
Not Used	SDQ15	67	<b>Identification Code</b>	X	AN 2/80
			Code identifying a party or other code		
Not Used	SDQ16	380	<b>Quantity</b>	X	R 1/15
			Numeric value of quantity		
Not Used	SDQ17	67	<b>Identification Code</b>	X	AN 2/80
			Code identifying a party or other code		
Not Used	SDQ18	380	<b>Quantity</b>	X	R 1/15
			Numeric value of quantity		
Not Used	SDQ19	67	<b>Identification Code</b>	X	AN 2/80
			Code identifying a party or other code		
Not Used	SDQ20	380	<b>Quantity</b>	X	R 1/15
			Numeric value of quantity		
Not Used	SDQ21	67	<b>Identification Code</b>	X	AN 2/80
			Code identifying a party or other code		
Not Used	SDQ22	380	<b>Quantity</b>	X	R 1/15
			Numeric value of quantity		
Not Used	SDQ23	310	<b>Location Identifier</b>	O	AN 1/30
			Code which identifies a specific location		

**Segment:** **LM** Code Source Information  
**Position:** 430  
**Loop:** LM Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit standard code list identification information

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 LM02 identifies the applicable industry code list source information.

**Notes:** *Use this 2/LM/430 loop to identify coded information maintained in departmental or agency documentation.*

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	LM01	559	Agency Qualifier Code Code identifying the agency assigning the code values DF Department of Defense (DoD)	M ID 2/2
Not Used	LM02	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O AN 1/15

**Segment:** **LQ** Industry Code  
**Position:** 440  
**Loop:** LM Optional  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 100  
**Purpose:** Code to transmit standard industry codes  
**Syntax Notes:** 1 If LQ01 is present, then LQ02 is required.  
**Semantic Notes:**  
**Comments:**  
**Notes:** *Use to identify codes, as appropriate, consistent with management information requirements.*

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	LQ01	1270 Code List Qualifier Code Code identifying a specific industry code list <i>Use any code.</i>	O ID 1/3
Must Use	LQ02	1271 Industry Code Code indicating a code from a specific industry code list	X AN 1/30

**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)

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 SE is the last segment of each transaction set.

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>		
	<b><u>Des.</u></b>	<b><u>Element</u></b>	<b><u>Name</u></b>	<b><u>Attributes</u></b>
M	SE01	96	<b>Number of Included Segments</b>	<b>M N0 1/10</b>
			Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329	<b>Transaction Set Control Number</b>	<b>M AN 4/9</b>
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			<i>Cite the same number as the one cited in ST02.</i>	