

# 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 Demand Data Exchange (DDE) Projected Supply Plan for recurring and non-recurring demand data.**
- 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	0100	ST	Transaction Set Header	M	1		
6	0200	BFR	Beginning Segment for Planning Schedule	M	1		
Not Used	0250	XPO	Preassigned Purchase Order Numbers	O	>1		
Not Used	0400	CUR	Currency	O	1		
Not Used	0500	REF	Reference Identification	O	12		
Not Used	0600	PER	Administrative Communications Contact	O	3		
Not Used	0700	TAX	Tax Reference	O	3		
Not Used	0800	FOB	F.O.B. Related Instructions	O	1		
Not Used	0900	CTP	Pricing Information	O	25		
Not Used	1000	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
Not Used	1100	CSH	Sales Requirements	O	1		

830D (R1) Demand Data Exchange (DDE) Forecast

Not Used	1200	ITD	Terms of Sale/Deferred Terms of Sale	O	2
Not Used	1300	DTM	Date/Time Reference	O	10
Not Used	1400	PID	Product/Item Description	O	200
Not Used	1500	MEA	Measurements	O	40
Not Used	1600	PWK	Paperwork	O	25
Not Used	1700	PKG	Marking, Packaging, Loading	O	25
Not Used	1800	TD1	Carrier Details (Quantity and Weight)	O	2
Not Used	1900	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	2000	TD3	Carrier Details (Equipment)	O	12
Not Used	2100	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	2200	MAN	Marks and Numbers	O	10
<b>LOOP ID - N1</b>					<b>200</b>
8	2300	N1	Name	O	1
Not Used	2400	N2	Additional Name Information	O	2
Not Used	2500	N3	Address Information	O	2
Not Used	2600	N4	Geographic Location	O	1
Not Used	2700	REF	Reference Identification	O	12
Not Used	2800	PER	Administrative Communications Contact	O	3
Not Used	2900	FOB	F.O.B. Related Instructions	O	1
<b>LOOP ID - LM</b>					<b>&gt;1</b>
Not Used	3000	LM	Code Source Information	O	1
Not Used	3100	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	0100	LIN	Item Identification	M	1		
Not Used	0200	UIT	Unit Detail	O	1		
Not Used	0210	DTM	Date/Time Reference	O	10		
Not Used	0300	CUR	Currency	O	1		
Not Used	0600	PO3	Additional Item Detail	O	25		
Not Used	0700	CTP	Pricing Information	O	25		
Not Used	0800	PID	Product/Item Description	O	1000		
Not Used	0900	MEA	Measurements	O	40		
13	1000	PWK	Paperwork	O	25		
Not Used	1100	PKG	Marking, Packaging, Loading	O	25		
Not Used	1200	PO4	Item Physical Details	O	1		
Not Used	1300	PRS	Part Release Status	O	1		
15	1400	REF	Reference Identification	O	12		
17	1500	PER	Administrative Communications Contact	O	3		
Not Used	1700	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
Not Used	1800	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
Not Used	1900	TAX	Tax Reference	O	3		

830D (R1) Demand Data Exchange (DDE) Forecast

Not Used	2000	FOB	F.O.B. Related Instructions	O	1	
Not Used	2100	LDT	Lead Time	O	12	
Not Used	2200	QTY	Quantity	O	>1	n1
Not Used	2300	ATH	Resource Authorization	O	20	
Not Used	2400	TD1	Carrier Details (Quantity and Weight)	O	1	
Not Used	2500	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	2600	TD3	Carrier Details (Equipment)	O	12	
Not Used	2700	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	2800	MAN	Marks and Numbers	O	10	
Not Used	2900	DD	Demand Detail	O	10	
LOOP ID - SLN					100	
Not Used	3000	SLN	Subline Item Detail	O	1	
Not Used	3100	PID	Product/Item Description	O	1000	
Not Used	3150	NM1	Individual or Organizational Name	O	10	
LOOP ID - N1					200	
19	3200	N1	Name	O	1	
Not Used	3300	N2	Additional Name Information	O	2	
Not Used	3400	N3	Address Information	O	2	
Not Used	3500	N4	Geographic Location	O	1	
Not Used	3600	REF	Reference Identification	O	12	
Not Used	3700	PER	Administrative Communications Contact	O	3	
Not Used	3800	FOB	F.O.B. Related Instructions	O	1	
LOOP ID - LM					>1	
21	3900	LM	Code Source Information	O	1	
22	4000	LQ	Industry Code	M	100	
LOOP ID - FST					>1	
23	4100	FST	Forecast Schedule	O	1	n2
Not Used	4150	QTY	Quantity	O	>1	
25	4200	SDQ	Destination Quantity	O	50	
LOOP ID - LM					>1	
Not Used	4300	LM	Code Source Information	O	1	
Not Used	4400	LQ	Industry Code	M	100	
LOOP ID - SDP					260	
Not Used	4500	SDP	Ship/Delivery Pattern	O	1	
Not Used	4600	FST	Forecast Schedule	O	260	
LOOP ID - SHP					25	
Not Used	4700	SHP	Shipped/Received Information	O	1	
Not Used	4800	REF	Reference Identification	O	5	

**Summary:**

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Not Used	0100	CTT	Transaction Totals	O	1		n3



**Segment:** **ST** Transaction Set Header

**Position:** 0100

**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).
- 2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.

**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 830 Planning Schedule with Release Capability	M 1 ID 3/3
M	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 <i>A unique number assigned by the originator of the transaction set, or the originator's application program.</i>	M 1 AN 4/9
	ST03	1705	Implementation Convention Reference Reference assigned to identify Implementation Convention	O 1 AN 1/35

**Segment:** **BFR** Beginning Segment for Planning Schedule  
**Position:** 0200  
**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

	Ref. Des.	Data Element	Name	Attributes		
M	BFR01	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set 00 Original 77 Simulation Exercise	M	1	ID 2/2
	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	1	AN 1/50
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	1	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	1	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	1	ID 1/1

		A		Actual Discrete Quantities	
M	BFR06	373	<b>Date</b>	M	1 DT 8/8
Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year					
<i>Must use to identify the projected supply plan 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>					
	BFR07	373	<b>Date</b>	O	1 DT 8/8
Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year					
<i>Must use to identify the projected supply plan 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>					
M	BFR08	373	<b>Date</b>	M	1 DT 8/8
Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year					
<i>Use to identify the transaction set preparation date. This date corresponds to the Universal Time Coordinate (UTC).</i>					
Not Used	BFR09	373	<b>Date</b>	O	1 DT 8/8
Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year					
Not Used	BFR10	367	<b>Contract Number</b>	O	1 AN 1/30
Contract number					
Not Used	BFR11	324	<b>Purchase Order Number</b>	O	1 AN 1/22
Identifying number for Purchase Order assigned by the orderer/purchaser					
	BFR12	783	<b>Planning Schedule Type Code</b>	O	1 ID 2/2
Code identifying type of planning schedule used					
AA Customized Ordering Forecast					
	BFR13	306	<b>Action Code</b>	O	1 ID 1/2
Code indicating type of action					
<i>Use any code.</i>					
Refer to 004030 Data Element Dictionary for acceptable code values.					

<b>Segment:</b>	<b>N1</b> Name
<b>Position:</b>	2300
<b>Loop:</b>	N1 Optional
<b>Level:</b>	Heading
<b>Usage:</b>	Optional
<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/N1/2300 loop to identify the organization originating the transaction set.</i>

## Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	N101	98 Entity Identifier Code	M 1 ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		<i>Use any code.</i>	
		Refer to 004030 Data Element Dictionary for acceptable code values.	
Not Used	N102	93 Name	X 1 AN 1/60
		Free-form name	
	N103	66 Identification Code Qualifier	X 1 ID 1/2
		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)	
	N104	67 Identification Code	X 1 AN 2/80
		Code identifying a party or other code	
Not Used	N105	706 Entity Relationship Code	O 1 ID 2/2
		Code describing entity relationship	
	N106	98 Entity Identifier Code	O 1 ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		FR Message From	
		<i>Must use to indicate the organization cited in N104</i>	

*is originating the transaction set.*

**Segment:** **LIN** Item Identification

**Position:** 0100

**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/0100 loop to identify the type of transaction, material, transaction number, and information associated with the projected requirement.*

**Data Element Summary**

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
LIN01	350	Assigned Identification	O	1 AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set		
M	LIN02	235 Product/Service ID Qualifier	M	1 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 004030 Data Element Dictionary for acceptable code values.		
M	LIN03	234 Product/Service ID	M	1 AN 1/48
		Identifying number for a product or service		
Not Used	LIN04	235 Product/Service ID Qualifier	X	1 ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		

Not Used	LIN05	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	AN 1/48
Not Used	LIN06	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1	ID 2/2
Not Used	LIN07	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	AN 1/48
Not Used	LIN08	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1	ID 2/2
Not Used	LIN09	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	AN 1/48
Not Used	LIN10	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1	ID 2/2
Not Used	LIN11	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	AN 1/48
Not Used	LIN12	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1	ID 2/2
Not Used	LIN13	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	AN 1/48
Not Used	LIN14	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1	ID 2/2
Not Used	LIN15	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	AN 1/48
Not Used	LIN16	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1	ID 2/2
Not Used	LIN17	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	AN 1/48
Not Used	LIN18	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1	ID 2/2
Not Used	LIN19	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	AN 1/48
Not Used	LIN20	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	1	ID 2/2
Not Used	LIN21	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	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	1	ID 2/2
Not Used	LIN23	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	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	1	ID 2/2
Not Used	LIN25	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	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	1	ID 2/2
Not Used	LIN27	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	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	1	ID 2/2
Not Used	LIN29	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	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	1	ID 2/2
Not Used	LIN31	234	<b>Product/Service ID</b> Identifying number for a product or service	X	1	AN 1/48

**Segment:** **PWK** Paperwork  
**Position:** 1000  
**Loop:** LIN Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 25  
**Purpose:** To identify the type or transmission or both of paperwork or supporting information  
**Syntax Notes:** 1 If either PWK05 or PWK06 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 PWK05 and PWK06 may be used to identify the addressee by a code number.  
 2 PWK07 may be used to indicate special information to be shown on the specified report.  
 3 PWK08 may be used to indicate action pertaining to a report.

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	PWK01	755	<b>Report Type Code</b> Code indicating the title or contents of a document, report or supporting item <i>Use any code.</i> Refer to 004030 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
Not Used	PWK02	756	<b>Report Transmission Code</b> Code defining timing, transmission method or format by which reports are to be sent	O 1 ID 1/2
Not Used	PWK03	757	<b>Report Copies Needed</b> The number of copies of a report that should be sent to the addressee	O 1 N0 1/2
Not Used	PWK04	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual	O 1 ID 2/3
Not Used	PWK05	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67)	X 1 ID 1/2
Not Used	PWK06	67	<b>Identification Code</b> Code identifying a party or other code	X 1 AN 2/80
	PWK07	352	<b>Description</b> A free-form description to clarify the related data elements and their content	O 1 AN 1/80
Not Used	PWK08	C002	<b>Actions Indicated</b> Actions to be performed on the piece of paperwork identified	O 1
Not Used	C00201	704	<b>Paperwork/Report Action Code</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	M ID 1/2

			required		
<b>Not Used</b>	<b>C00202</b>	<b>704</b>	<b>Paperwork/Report Action Code</b>	<b>O</b>	<b>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</b>	<b>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</b>	<b>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</b>	<b>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</b>	<b>1 ID 1/2</b>
			Code indicating a type of request		

**Segment:** **REF** **Reference Identification**  
**Position:** 1400  
**Loop:** LIN Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify identifying information  
**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

- 1 REF04 contains data relating to the value cited in REF02.

**Comments:**

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	REF01	128 <b>Reference Identification Qualifier</b> Code qualifying the Reference Identification <i>Use any code.</i>	M 1 ID 2/3
	REF02	127 <b>Reference Identification</b> Refer to 004030 Data Element Dictionary for acceptable code values. Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X 1 AN 1/50
Not Used	REF03	352 <b>Description</b> A free-form description to clarify the related data elements and their content	X 1 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 1
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 1/50
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 1/50
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 1/50

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

**Segment:** **PER Administrative Communications Contact**  
**Position:** 1500  
**Loop:** LIN Mandatory  
**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.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:****Comments:**

**Notes:** *Use to identify a contact to whom inquiries regarding this transaction can be directed.*

**Data Element Summary**

Ref.	Data	Attributes		
		<u>Element</u>	<u>Name</u>	
M		<b>366</b>	<b>Contact Function Code</b>	<b>M 1 ID 2/2</b>
			Code identifying the major duty or responsibility of the person or group named	
			<i>Use any code.</i>	
			Refer to 004030 Data Element Dictionary for acceptable code values.	
	<b>PER02</b>	<b>93</b>	<b>Name</b>	<b>O 1 AN 1/60</b>
			Free-form name	
	<b>PER03</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X 1 ID 2/2</b>
			Code identifying the type of communication number	
			<i>Use any code.</i>	
			Refer to 004030 Data Element Dictionary for acceptable code values.	
	<b>PER04</b>	<b>364</b>	<b>Communication Number</b>	<b>X 1 AN 1/256</b>
			Complete communications number including country or area code when applicable	
	<b>PER05</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X 1 ID 2/2</b>
			Code identifying the type of communication number	
			<i>Use any code.</i>	
			Refer to 004030 Data Element Dictionary for acceptable code values.	
	<b>PER06</b>	<b>364</b>	<b>Communication Number</b>	<b>X 1 AN 1/256</b>
			Complete communications number including country or area code when applicable	
	<b>PER07</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X 1 ID 2/2</b>
			Code identifying the type of communication number	
			<i>Use any code.</i>	

Refer to 004030 Data Element Dictionary for acceptable code values.

**PER08 364 Communication Number X 1 AN 1/256**

Complete communications number including country or area code when applicable

**PER09 443 Contact Inquiry Reference O 1 AN 1/20**

Additional reference number or description to clarify a contact number

<b>Segment:</b>	<b>N1</b> Name
<b>Position:</b>	3200
<b>Loop:</b>	N1 Optional
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<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>	<ol style="list-style-type: none"> <li>1. <i>Must use one iteration of this 2/N1/3200 loop to identify the organization to receive the transaction.</i></li> <li>2. <i>Use additional iterations to identify other organizations associated with the transaction.</i></li> </ol>

#### Data Element Summary

Ref.	Data	Attributes		
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	N101	98	<b>Entity Identifier Code</b>	M 1 ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			<i>Use any code.</i>	
			Refer to 004030 Data Element Dictionary for acceptable code values.	
Not Used	N102	93	<b>Name</b>	X 1 AN 1/60
			Free-form name	
	N103	66	<b>Identification Code Qualifier</b>	X 1 ID 1/2
			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)	
		92	Assigned by Buyer or Buyer's Agent	
		A2	Military Assistance Program Address Code (MAPAC)	
		M4	Department of Defense Routing Identifier Code (RIC)	
	N104	67	<b>Identification Code</b>	X 1 AN 2/80
			Code identifying a party or other code	
Not Used	N105	706	<b>Entity Relationship Code</b>	O 1 ID 2/2

**N106**      **98**      Code describing entity relationship  
**Entity Identifier Code**      **O 1 ID 2/3**  
Code identifying an organizational entity, a physical location, property or  
an individual

TO

Message To

*Must use with 2/N101/3200 code KA to identify the organization cited in N104 is receiving the transaction.*

**Segment:** **LM** Code Source Information  
**Position:** 3900  
**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 the 2/LM/3900 loop to identify coded information maintained in department 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 1 ID 2/2
Not Used	LM02	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O 1 AN 1/15

**Segment:** **LQ** Industry Code  
**Position:** 4000  
**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>Name</u>	<u>Attributes</u>
<b>LQ01</b>	<b>1270</b>	<b>Code List Qualifier Code</b>	<b>O 1 ID 1/3</b>
		Code identifying a specific industry code list	
		<i>Use any code.</i>	
		Refer to 004030 Data Element Dictionary for acceptable code values.	
<b>LQ02</b>	<b>1271</b>	<b>Industry Code</b>	<b>X 1 AN 1/30</b>
		Code indicating a code from a specific industry code list	

<b>Segment:</b>	<b>FST</b> Forecast Schedule
<b>Position:</b>	4100
<b>Loop:</b>	FST Optional
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<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> <li>3 If FST13 is present, then FST12 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> <li>2 FST11 is used to qualify further the forecast quantity in FST01.</li> <li>3 FST13 is used to clarify further the adjustment reason specified in FST12.</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> <li>3 FST11, FST12 and FST13 may be used only when FST02 contains code D (Planning).</li> </ol>

#### Data Element Summary

Ref.	Data	Attributes		
		Des.	Element	Name
M	FST01	380	Quantity	M 1 R 1/15
			Numeric value of quantity	
			<i>Express as a number with no decimal.</i>	
M	FST02	680	Forecast Qualifier	M 1 ID 1/1
			Code specifying the sender's confidence level of the forecast data or an action associated with a forecast	
			<i>Use any code.</i>	
			Refer to 004030 Data Element Dictionary for acceptable code values.	
M	FST03	681	Timing Qualifier	M 1 ID 1/1
			Code specifying interval grouping of the forecast or product activity	
			<i>Use any code.</i>	
			Refer to 004030 Data Element Dictionary for acceptable code values.	
M	FST04	373	Date	M 1 DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	
Not Used	FST05	373	Date	O 1 DT 8/8

			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
Not Used	FST06	374	<b>Date/Time Qualifier</b>	X	1	ID 3/3
			Code specifying type of date or time, or both date and time			
Not Used	FST07	337	<b>Time</b>	X	1	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)			
Not Used	FST08	128	<b>Reference Identification Qualifier</b>	X	1	ID 2/3
			Code qualifying the Reference Identification			
Not Used	FST09	127	<b>Reference Identification</b>	X	1	AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
Not Used	FST10	783	<b>Planning Schedule Type Code</b>	O	1	ID 2/2
			Code identifying type of planning schedule used			
Not Used	FST11	673	<b>Quantity Qualifier</b>	O	1	ID 2/2
			Code specifying the type of quantity			
Not Used	FST12	426	<b>Adjustment Reason Code</b>	X	1	ID 2/2
			Code indicating reason for debit or credit memo or adjustment to invoice, debit or credit memo, or payment			
Not Used	FST13	352	<b>Description</b>	O	1	AN 1/80
			A free-form description to clarify the related data elements and their content			

<b>Segment:</b>	<b>SDQ</b> Destination Quantity
<b>Position:</b>	4200
<b>Loop:</b>	FST Optional
<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>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
M	SDQ01	355 Unit or Basis for Measurement Code	M 1 ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		Refer to 004030 Data Element Dictionary for acceptable code values.	
Not Used	SDQ02	66 Identification Code Qualifier	O 1 ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
M	SDQ03	67 Identification Code	M 1 AN 2/80
		Code identifying a party or other code	
		<i>Use any acceptable value to satisfy mandatory X12 syntax requirements.</i>	
M	SDQ04	380 Quantity	M 1 R 1/15
		Numeric value of quantity	
		<i>Use any acceptable value to satisfy mandatory X12 syntax requirements.</i>	
Not Used	SDQ05	67 Identification Code	X 1 AN 2/80
		Code identifying a party or other code	
Not Used	SDQ06	380 Quantity	X 1 R 1/15

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

**Segment:** **SE** Transaction Set Trailer  
**Position:** 0200  
**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**

	Ref. <u>Des.</u>	Data		<u>Attributes</u>
		<u>Element</u>	<u>Name</u>	
M	SE01	96	<b>Number of Included Segments</b>	M 1 N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329	<b>Transaction Set Control Number</b>	M 1 AN 4/9
			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>	