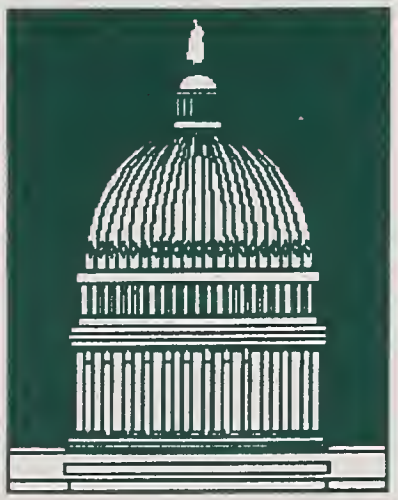
NIST Special Publication 881-81



Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003060 Transaction Set 830W Planning Schedule with Release Capability (War Material Requirement)

Implementation Convention

NIST

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[1] At Boulder, CO 80303.
[2] Some elements at Boulder, CO.

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Electronic Commerce Acquisition Program Management Office
Standard Management Committee - Secretariat
National Institute of Standards and Technology
Gaithersburg, MD 20899-0001

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U.S. DEPARTMENT OF COMMERCE
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Technology Administration
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National Institute of Standards and Technology
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The National Institute of Standards and Technology (NIST)'s Information Technology Laboratory (ITL) develops standards and guidelines, provides technical assistance, and conducts research for computers and resources. As part of the overall federal effort to establish a single face to industry for conducting electronic commerce, ITL has been designated as the organization responsible for coordinating the development of Federal Implementation Conventions (ICs) for Electronic Data Interchange (EDI). ICs are defined by functional-area experts who create and select options from standard EDI Transaction Sets to yield the implementations to be used for practical EDI. These ICs are made available to federal agencies and industry by electronic means and this Special Publication Series.

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WASHINGTON: 1998

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 report war reserve material (WRM) requirements data to integrated material managers (IMMs)/inventory control points (ICPs).

2. Use a single occurrence of this transaction set to transmit war reserve material requirements to one or more organizations. Use one occurrence of this transaction set to transmit a single or multiple transactions.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	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		
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		

			LOOP ID - N1			200
Must Use	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	I	
Not Used	270	REF	Reference Identification	O	I2	
Not Used	280	PER	Administrative Communications Contact	O	3	
Not Used	290	FOB	F.O.B. Related Instructions	O	I	
			LOOP ID - LM			>I
Not Used	300	LM	Code Source Information	O	I	
Not Used	310	LQ	Industry Code	M	100	

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - LIN			>1	
Must Use	010	LIN	Item Identification	M	1		
Not Used	020	UIT	Unit Detail	O	1		
Must Use	021	DTM	Date/Time Reference	O	10		
Not Used	030	CUR	Currency	O	I		
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		
Not Used	100	PWK	Paperwork	O	25		
Not Used	110	PKG	Marking, Packaging, Loading	O	25		
Not Used	I20	PO4	Item Physical Details	O	1		
Not Used	130	PRS	Part Release Status	O	1		
	140	REF	Reference Identification	O	I2		
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		
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		nl
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 - NI			200	

Must Use	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	
Must Use	390	LM	Code Source Information	O	1		
Must Use	400	LQ	Industry Code	M	100		
			LOOP ID - FST			>1	
	410	FST	Forecast Schedule	O	1		n2
Not Used	420	SDQ	Destination Quantity	O	50		
			LOOP ID - LM			>1	
	430	LM	Code Source Information	O	1		
Must Use	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:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Not Used	010	CTT	Transaction Totals	O	1		n3
Must Use	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. QTY is used to specify supplemental quantities relevant to the forecast function. However, QTY is not related to the actual forecast quantity in the FST segments.
2. At least one occurrence of segment FST is required, either in the FST loop or within the SDP loop. These two loops are mutually exclusive.
3. Number of line items (CTT01) is the accumulation of the number of LIN segments. If used, hash total (CTT02) is the sum of the values of the quantities (FST01) for each FST segment.

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) 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

	Ref. Des.	Data Element	Name	Attributes
Must Use	**ST01**	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set 830 X12.14 Planning Schedule with Release Capability	**M ID 3/3**
Must Use	**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 ***A unique number assigned by the originator of the transaction set, or by the originator's application program.***	**M AN 4/9**

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

	Ref. Des.	Data Element	Name	Attributes
Must Use	**BFR01**	**353**	**Transaction Set Purpose Code** Code identifying purpose of transaction set 00 Original 77 Simulation Exercise ***Use to identify a simulated mobilization exercise transaction set. Activities initiating simulated mobilization exercises must ensure complete coordination with all activities involved. All transaction set recipients must use extreme caution to ensure that individual transactions do not process as action documents which affect accountable records.***	**M ID 2/2**
Must Use	**BFR02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ***Use code "Z" for this data element to satisfy X12 syntax requirements.***	**X AN 1/30**
Not Used	**BFR03**	**328**	**Release Number** Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	**X AN 1/30**
Must Use	**BFR04**	**675**	**Schedule Type Qualifier** Code identifying the type of dates used when defining a shipping or delivery time in a schedule or forecast PR Planned Requirement Based ***Use to indicate that requirements data reflect forecasted requirements.***	**M ID 2/2**
Must Use	**BFR05**	**676**	**Schedule Quantity Qualifier** Code identifying the type of quantities used when defining a schedule or forecast A Actual Discrete Quantities ***Use to indicate that quantities reflect discrete requirements.***	**M ID 1/1**
Must Use	**BFR06**	**373**	**Date** Date (YYMMDD)	**M DT 6/6**

			Must use to identify the forecast period start date.		
	BFR07	**373**	**Date** Date (YYMMDD)	**O**	**DT 6/6**
			Use to identify the forecast period end date.		
Must Use	**BFR08**	**373**	**Date** Date (YYMMDD)	**M**	**DT 6/6**
			Use to identify the transaction set preparation date. This date corresponds to the Universal Time Coordinate (UTC).		
Not Used	**BFR09**	**373**	**Date** Date (YYMMDD)	**O**	**DT 6/6**
Not Used	**BFR10**	**367**	**Contract Number** Contract number	**O**	**AN 1/30**
Not Used	**BFR11**	**324**	**Purchase Order Number** Identifying number for Purchase Order assigned by the orderer/purchaser	**O**	**AN 1/22**
Must Use	**BFR12**	**783**	**Planning Schedule Type Code** Code identifying type of planning schedule used XF War Reserve Forecast ***Must use to indicate the transaction is a war reserve material requirements forecast.***	**O**	**ID 2/2**
Not Used	**BFR13**	**306**	**Action Code** Code indicating type of action	**O**	**ID 1/2**

Segment: **N1** **Name**
Position: 230
Loop: N1 Optional (Must Use)
Level: Heading
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: ***Must use this 1/N1/230 loop to identify the organization originating the transaction set.***

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, or an individual 41 Submitter Entity transmitting transaction set ***Must use to identify the organization submitting war reserve material (WRM) requirements data.***	**M ID 2/2**
Not Used	**N102**	**93**	**Name** Free-form name	**X AN 1/35**
Must Use	**N103**	**66**	**Identification Code Qualifier** 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	**X ID 1/2**
Must Use	**N104**	**67**	**Identification Code** Code identifying a party or other code	**X AN 2/20**
Not Used	**N105**	**706**	**Entity Relationship Code** Code describing entity relationship	**O ID 2/2**
Must Use	**N106**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, or an individual FR Message From ***Must use to indicate the organization cited in N104 is originating the transaction.***	**O ID 2/2**

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:

1. Must use the 2/LIN/010 loop to identify the type of WRM and information related to the requirement forecast.

2. Detailed WRM data identifies incremental monthly forecast quantities for a single line item stratified by type of WRM or by type of WRM and project code.

3. When stratifying only by type of WRM (for other than Pre-Positioned War Reserve (PWR) requirements), use a single iteration of the 2/LM/390 loop to identify a single War Reserve Material Requirement Code and use multiple iterations of the 2/FST/410 loop to identify incremental monthly forecast quantities. Do not use the 2/LM/430 loop. This stratification method requires multiple iterations of the 2/LIN/010 loop for a single line item to identify each type of WRM.

4. When stratifying by type of WRM and project code (for other than PWR requirements), use a single iteration of the 2/LM/390 loop to identify a single War Reserve Material Requirement Code; use multiple iterations of the 2/FST/410 loop to identify incremental monthly forecast quantities; and use a single iteration of the 2/LM/430 loop for each iteration of the 2/FST/410 loop to identify the project code associated with the quantity. This stratification method requires multiple iterations of the 2/LIN/010 loop for a single line item to identify each type of WRM.

5. For PWR forecast requirements, do not use the 2/LM/390 loop to identify the War Reserve Material Requirement Code. Instead, use two iterations of the 2/FST/410 loop to identify applicable incremental monthly forecast quantities; and use a single iteration of the 2/LM/430 loop, for each iteration of the 2/FST/410 loop, to identify the War Reserve Material Requirement Code and/or project code associated with the quantity.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Not Used	LIN01	350	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/20

Must Use	**LIN02**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) ***1. Use only one of codes A1, A2, A4, FB, FS, MG, or YP to identify the material. Must use National Stock Number (NSN) when known.*** ***2. When citing a manufacturer's part number (code MG), always use code ZB in LIN04 to identify the manufacturer's commercial and government entity (CAGE) code.*** A1 Plant Equipment Number Item identifier is a plant equipment number ***Use to identify plant equipment.*** A2 Department of Defense Identification Code (DoDIC) Qualifies a code that uniquely identifies a type of explosive or ammunition ***Use to identify ammunition items.*** A4 Subsistence Identification Number Item identifier is a brand-name resale subsistence item ***Use to identify subsistence items.*** FB Form Number ***Use to identify the form stock number.*** FS National Stock Number ***Must use the NSN when known.*** MG Manufacturer's Part Number ***Use to identify nonstandard material.*** YP Publication Number ***Use to identify the publication stock number.***	**M**	**ID 2/2**
Must Use	**LIN03**	**234**	**Product/Service ID** Identifying number for a product or service	**M**	**AN 1/40**
	LIN04	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) ZB Commercial and Government Entity (CAGE) Code A code that identifies a commercial contractor authorized to do business with the U.S. government ***Use with LIN02 code MG to uniquely identify a manufacturer's part number.***	**X**	**ID 2/2**
	LIN05	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/40**
Not Used	**LIN06**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	**X**	**ID 2/2**
Not Used	**LIN07**	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/40**
Not Used	**LIN08**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	**X**	**ID 2/2**
Not Used	**LIN09**	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/40**
Not Used	**LIN10**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	**X**	**ID 2/2**
Not Used	**LIN11**	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/40**
Not Used	**LIN12**	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN13	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/40
Not Used	LIN14	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN15	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/40
Not Used	LIN16	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN17	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/40
Not Used	LIN18	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN19	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/40
Not Used	LIN20	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN21	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/40
Not Used	LIN22	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN23	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/40
Not Used	LIN24	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN25	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/40
Not Used	LIN26	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN27	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/40
Not Used	LIN28	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN29	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/40
Not Used	LIN30	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN31	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/40

Segment: **DTM** **Date/Time Reference**
Position: 021
Loop: LIN Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: **1** At least one of DTM02 DTM03 or DTM06 is required.
2 If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:
Comments:
Notes: ***Must use to identify the date of transaction preparation.***

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time 097 Transaction Creation ***Use to identify the date of transaction preparation.***	**M ID 3/3**
Must Use	**DTM02**	**373**	**Date** Date (YYMMDD)	**X DT 6/6**
Not Used	**DTM03**	**337**	**Time** 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)	**X TM 4/8**
Not Used	**DTM04**	**623**	**Time Code** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	**O ID 2/2**
	DTM05	**624**	**Century** The first two characters in the designation of the year (CCYY)	**O N0 2/2**
Not Used	**DTM06**	**1250**	**Date Time Period Format Qualifier** Code indicating the date format, time format, or date and time format	**X ID 2/3**
Not Used	**DTM07**	**1251**	**Date Time Period** Expression of a date, a time, or range of dates, times or dates and times	**X AN 1/35**

Segment: **REF** **Reference Identification**
Position: 140
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

	Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128	**Reference Identification Qualifier** Code qualifying the Reference Identification TN Transaction Reference Number ***Use to identify the transaction number.***	M ID 2/3
	REF02	127	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	REF03	352	**Description** A free-form description to clarify the related data elements and their content	X AN 1/80
Not Used	REF04	C040	**Reference Identifier** To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
Not Used	C04001	128	**Reference Identification Qualifier** Code qualifying the Reference Identification	M ID 2/3
Not Used	C04002	127	**Reference Identification** 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	**Reference Identification Qualifier** Code qualifying the Reference Identification	X ID 2/3
Not Used	C04004	127	**Reference Identification** 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	**Reference Identification Qualifier** Code qualifying the Reference Identification	X ID 2/3
Not Used	C04006	127	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **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

	Ref. Des.	Data Element	Name	Attributes
Must Use	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, or an individual KA Item Manager The address of the person responsible for the management of an item of supply ***Must use to indicate the IMM/ICP.*** ZD Party to Receive Reports The organization designated to receive reports ***Use to indicate the organization(s) to receive reports.***	**M ID 2/2**
Not Used	**N102**	**93**	**Name** Free-form name	**X AN 1/35**
Must Use	**N103**	**66**	**Identification Code Qualifier** 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	**X ID 1/2**
Must Use	**N104**	**67**	**Identification Code** Code identifying a party or other code	**X AN 2/20**
Not Used	**N105**	**706**	**Entity Relationship Code** Code describing entity relationship	**O ID 2/2**
	N106	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, or an individual TO Message To ***Must use with 2/N101/320 code KA to indicate the organization cited in N104 is receiving the transaction.***	**O ID 2/2**

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: ***1. Use the 2/LM/390 loop to identify coded information maintained in department or agency documentation.***

2. Use the 2/LM/390 loop to stratify forecasts for other than PWR requirements by type of War Reserve Material Requirements Code. Cite the associated quantities in one or more iterations of the 2/FST/410 loop.

3. Do not use to identify the War Reserve Material Requirement Code for PWR requirements.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**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

	Ref. Des.	Data Element	Name	Attributes
Must Use	**LQ01**	**1270**	**Code List Qualifier Code** Code identifying a specific industry code list 0 Document Identification Code Codes that subclassify a transaction LZ War Reserve Material Requirement Code ***Must use for other than PWR requirements to identify the type of war reserve requirement for which the forecast applies.***	**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: **FST** **Forecast Schedule**
Position: 410
Loop: FST Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the forecasted dates and quantities
Syntax Notes:
1 If either FST06 or FST07 is present, then the other is required.
2 If either FST08 or FST09 is present, then the other is required.
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.
Comments:
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.
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.
Notes:
1. Use multiple 2/FST/410 loop iterations to identify incremental monthly forecast quantities for other than PWR requirements associated with the War Reserve Material Requirements Code identified in the 2/LM/390 loop.

2. Use only two iterations of the 2/FST/410 loop when identifying the PWR requirement. One occurrence must include a FST02 code of D and the second must include a FST02 code of S.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**FST01**	**380**	**Quantity** Numeric value of quantity ***Use to identify the monthly forecast quantity. Express as a whole number with no decimal.***	**M R 1/15**
Must Use	**FST02**	**680**	**Forecast Qualifier** Code specifying the sender's confidence level of the forecast data or an action associated with a forecast D Planning ***Use for all Other War Reserve Material Requirements (OWMR), repairable return, and Pre-positioned War Reserve Material Requirements (PWRMR) (non-protected) transactions to indicate the requirement reflects a planning requirement forecast.*** S Strike Protection ***Use for all PWRMR (protected) transactions to indicate the requirement reflects a protected requirement forecast.***	**M ID 1/1**
Must Use	**FST03**	**681**	**Forecast Timing Qualifier** Code specifying interval grouping of the forecast M Monthly Bucket (Calendar Months) ***Use to indicate quantities are reflected in monthly increments.***	**M ID 1/1**
Must Use	**FST04**	**373**	**Date** Date (YYMMDD) ***Use to identify the specific month of the forecast period for which the quantity applies. Assume that the first day of the month applies.***	**M DT 6/6**
Not Used	**FST05**	**373**	**Date**	**O DT 6/6**

			Date (YYMMDD)		
Not Used	**FST06**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time	**X**	**ID 3/3**
Not Used	**FST07**	**337**	**Time** 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)	**X**	**TM 4/8**
Not Used	**FST08**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification	**X**	**ID 2/3**
Not Used	**FST09**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**AN 1/30**
Not Used	**FST10**	**783**	**Planning Schedule Type Code** Code identifying type of planning schedule used	**O**	**ID 2/2**

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

2. Use this 2/LM/430 loop for OWMR and repairable return transactions to stratify monthly forecasts by project code.

3. Use this 2/LM/430 loop for PWR transactions to stratify monthly forecasts by type of WRM and/or project code.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**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

	Ref. Des.	Data Element	Name	Attributes
Must Use	**LQ01**	**1270**	**Code List Qualifier Code** Code identifying a specific industry code list 78 Project Code Codes that relate a transaction to special programs, exercises, projects, operations, or other purposes ***Use as needed to identify the applicable war reserve project code.*** LZ War Reserve Material Requirement Code ***Must use to identify PWR requirement forecast.***	**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

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

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