

# **830 Planning Schedule with Release Capability**

**830 ANSI X12 004010**

**Version: 5.0**

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1.0	01.24.2013	Initial release	Original Document	Adrian Birau	All Sections
2.0	01.12.2015	Revision	LIN Details & Examples	Arkadyuti Banik	
3.0	03.17.2015	Revision	FST02 Qualifiers Updates	Arkadyuti Banik	
4.0	04.28.2015	Revision	New Firm & Planned Order Examples	Arkadyuti Banik	
4.1	05.14.2015	Revision	New Firm & Planned Order Examples	Arkadyuti Banik	
5	10.07.2015	Revision	FST06 and FST07 for ETD Date	Arkadyuti Banik	FST

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# 830 Planning Schedule with Release Capability

Functional Group = PS

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.

## Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	BFR	Beginning Segment for Planning Schedule	M	1			Must use
050	REF	Reference Identification	O	12			Used
<b>LOOP ID - N1</b>					<b>200</b>		
230	N1	Name	O	1			Used
240	N2	Additional Name Information	O	2			Used
250	N3	Address Information	O	2			Used
260	N4	Geographic Location	O	1			Used

## Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<b>LOOP ID - LIN</b>					<b>&gt;1</b>		
010	LIN	Item Identification	M	1			Must use
020	UIT	Unit Detail	O	1			Used
110	PKG	Marking, Packaging , Loading	O	25			Used
140	REF	Reference Identification	O	12			Used
150	PER	Administrative Communications Contact	O	3			Used
220	QTY	Quantity	O	>1		N2/220	Used
<b>LOOP ID - FST</b>					<b>&gt;1</b>	<b>N2/410L</b>	
410	FST	Forecast Schedule	O	1		N2/410	Used

## Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	CTT	Transaction Totals	O	1		N3/010	Used
020	SE	Transaction Set Trailer	M	1			Must use

## Notes:

- 2/220 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.
- 2/410L 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.
- 2/410 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.
- 3/010 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.

# ST Transaction Set Header

## User Option (Usage):

Must use

To indicate the start of a transaction set and to assign a control number

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	<b>Transaction Set Identifier Code</b> <b>Description:</b> Code uniquely identifying a Transaction Set <b>All valid standard codes are used.</b>	M	ID	3/3	Must use
ST02	329	<b>Transaction Set Control Number</b> <b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

## Semantics:

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).

# BFR Beginning Segment for Planning Schedule

## User Option (Usage):

Must use

To indicate the beginning of a planning schedule transaction set; whether a ship or delivery based forecast; and related forecast envelope dates

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BFR01	353	<b>Transaction Set Purpose Code</b> <b>Description:</b> Code identifying purpose of transaction set "00" - Original Schedule.	M	ID	2/2	Must use
BFR02	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used
BFR03	328	<b>Release Number</b> <b>Description:</b> Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	X	AN	1/30	Used
BFR04	675	<b>Schedule Type Qualifier</b> <b>Description:</b> Code identifying the type of dates used when defining a shipping or delivery time in a schedule or forecast "DL" - Delivery Based (MRP Items) "BB" - Consumption Based (SIC items - 862 will be sent).	M	ID	2/2	Must use
BFR05	676	<b>Schedule Quantity Qualifier</b> <b>Description:</b> Code identifying the type of quantities used when defining a schedule or forecast "A" - Actual Quantities.	M	ID	1/1	Must use
BFR06	373	<b>Forecast Start Date</b> <b>Description:</b> Date expressed as CCYYMMDD	M	DT	8/8	Must use
BFR07	373	<b>Forecast End Date</b> <b>Description:</b> Date expressed as CCYYMMDD	O	DT	8/8	Used
BFR08	373	<b>Forecast Generation Date</b> <b>Description:</b> Date expressed as CCYYMMDD	M	DT	8/8	Must use

## Syntax:

1. R0203 - At least one of BFR02,BFR03 is required

# REF Reference Identification

## User Option (Usage):

Used  
To specify identifying information

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	<b>Reference Identification Qualifier</b> <b>Description:</b> Code qualifying the Reference Identification <u>Code</u> <u>Name</u> VR            Supplier Code	M	ID	2/3	Must use
REF02	127	<b>Reference Identification</b> <b>Description:</b> Supplier Code	X	AN	1/30	Used

## Semantics:

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

# Loop N1

To identify a party by type of organization, name, and code

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
230	N1	Name	O	1		Used

## N1 Name

### User Option (Usage):

Used

To identify a party by type of organization, name, and code

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual <b>"BY" - Buyer Company Number</b> <b>"SE" - Supplier</b>	M	ID	2/3	Must use
N102	93	<b>Name</b> <b>Description:</b> Free-form name	X	AN	1/60	Used
N103	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67) <b>All valid standard codes are used.</b>	X	ID	1/2	Used
N104	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code	X	AN	2/80	Used

### Syntax:

1. R0203 - At least one of N102,N103 is required
2. P0304 - If either N103,N104 is present, then all are required

### 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.



# Loop LIN

To specify basic item identification data

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	LIN	Item Identification	M	1		Must use
020	UIT	Unit Detail	O	1		Used
110	PKG	Marking, Packaging, Loading	O	25		Used
	<b>Use</b>					
140	REF	Reference Identification	O	12		Used
150	PER	Administrative Communications Contact	O	3		Used
220	QTY	Quantity	O	>1		Used
410		Loop FST	O		>1	Used

## LIN Item Identification

### User Option (Usage):

Must use

To specify basic item identification data

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN01	350	<b>Assigned Identification</b> <b>Description:</b> Flextronics Line Item Number	O	AN	1/20	Used
LIN02	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>"BP" - Buyer Part Number.</b>	M	ID	2/2	Must use
LIN03	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	M	AN	1/48	Must use
LIN04	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>"VP" - Supplier Part Number.</b>	M	ID	2/2	Used
LIN05	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	M	AN	1/48	Used
LIN06	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>"PU" Customer Part Number.</b>	X	ID	2/2	Used
LIN07	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	X	AN	1/48	Used
LIN08	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>"KF" Order Method/Item Type.</b>	M	ID	2/2	Used
LIN09	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	M	AN	1/48	Used
LIN10	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>"EC" Engineering Item Revision/Level.</b>	X	ID	2/2	Used
LIN11	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	X	AN	1/48	Used

### Syntax:

1. P0405 - If either LIN04,LIN05 is present, then all are required

## UIT Unit Detail

### User Option (Usage):

Used  
To specify item unit data

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
UIT01	C001	<b>Composite Unit of Measure</b> <b>Description:</b> To identify a composite unit of measure(See Figures Appendix for examples of use)	M	Comp		Must use
	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken "EA".	M	ID	2/2	Must use

## PKG Marking, Packaging, Loading

### User Option (Usage):

Used  
To specify item unit data

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PKG01	349	<b>Item description type</b> <b>Description:</b> Code identifying the code for the description "F" - Free form	X	ID	1/1	Used
PKG02	753	<b>Packaging Characteristic Code</b> <b>Description:</b> Code specifying the marking, packaging, loading and related characteristics being described "35" - Type of Package	O	ID	1/5	Must Used
PKG05	325	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content	X	AN	1/80	Used

### Comments:

1. If PKG02 equals "35", then PKG05 is used.
2. If PKG05 exist then PKG01 is used

## REF Reference Identification

### User Option (Usage):

Used  
To specify identifying information

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	<b>Reference Identification Qualifier</b> <b>Description:</b> Code qualifying the Reference Identification "PO" - Purchase Order. "MH"- Manufacturer Order Number	M	ID	2/3	Must use

REF02	127	<b>Reference Identification</b> <b>Description:</b> Flextronics PO Number <b>Description:</b> Manufacturer Order Number	X	AN	1/30	Used
REF03	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content	X	AN	1/80	Used

**Syntax:**

1. R0203 - At least one of REF02,REF03 is required

**PER Administrative Communications Contact**

**User Option (Usage):**

Used  
To identify a person or office to whom administrative communications should be directed

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	<b>Contact Function Code</b> <b>Description:</b> Code identifying the major duty or responsibility of the person or group named "BD" - Buyer Department.	M	ID	2/2	Must use
PER02	93	<b>Name</b> <b>Description:</b> Free-form name	O	AN	1/60	Used
PER03	365	<b>Communication Number Qualifier</b> <b>Description:</b> Code identifying the type of communication number "TE" - Telephone Number.	X	ID	2/2	Used
PER04	364	<b>Communication Number</b> <b>Description:</b> Complete communications number including country or area code when applicable	X	AN	1/80	Used

**Syntax:**

1. P0304 - If either PER03,PER04 is present, then all are required

**QTY Quantity**

**User Option (Usage):**

Used  
To specify quantity information

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
QTY01	673	<b>Quantity Qualifier</b> <b>Description:</b> Code specifying the type of quantity "17" - Quantity On Hand "YW" - Reorder Point Qty (will be 0 for MRP Items) '72' - Minimum stock level '73' - Maximum stock level	M	ID	2/2	Must use
QTY02	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity	X	R	1/15	Used

**Syntax:**

1. R0204 - At least one of QTY02,QTY04 is required
2. E0204 - Only one of QTY02,QTY04 may be presented

# Loop FST

To specify the forecasted dates and quantities

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
410	FST	Forecast Schedule	O	1		Used

## FST Forecast Schedule

### User Option (Usage):

Used

To specify the forecasted dates and quantities

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
FST01	380	<b>Forecast Quantity</b> <b>Description:</b> Numeric value of quantity	M	R	1/15	Must use
FST02	680	<b>Forecast Qualifier</b> <b>Description:</b> Code specifying the sender's confidence level of the forecast data or an action associated with a forecast "C" - Firm. "D" - Planning.	M	ID	1/1	Must use
FST03	681	<b>Forecast Timing Qualifier</b> <b>Description:</b> Code specifying interval grouping of the forecast "W" - Weekly.	M	ID	1/1	Must use
FST04	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD	M	DT	8/8	Must use
FST05	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD	O	DT	8/8	Must use
FST06	374	<b>Date / Time Qualifier</b> <b>Description:</b> Date expressed as CCYYMMDD "010" – Requested Ship Date (ETD).	R	DT	3/3	Must use
FST07	337	<b>Time</b> <b>Description:</b> Time expressed as HHMM or HHMMSS	R	TM	4/8	Must use

### Comments:

- 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.

# CTT Transaction Totals

## User Option (Usage):

Used

To transmit a hash total for a specific element in the transaction set

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	<b>Number of Line Items</b> <b>Description:</b> Total number of line items in the transaction set	M	N0	1/6	Must use
CTT02	347	<b>Hash Total</b> <b>Description:</b> Sum of FST01	O	R	1/10	Used

## Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

# SE Transaction Set Trailer

## User Option (Usage):

Must use

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	<b>Number of Included Segments</b> <b>Description:</b> Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use
SE02	329	<b>Transaction Set Control Number</b> <b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

## Comments:

1. SE is the last segment of each transaction set.

# Example:

## Forecast With Zero Quantity:

ISA\*00\* \*00\* \*ZZ\*941714834VANT \*ZZ\*MAXIMACTG \*141221\*1829\*U\*00401\*000068654\*1\*T\*~  
GS\*PS\*9417148340898\*MAXIMACTG\*20141221\*1829\*193\*X\*004010  
ST\*830\*211829796  
BFR\*00\*898SPM03022U20141222102754-2\*SPM03022U898500M-2014522\*DL\*A\*20141221\*20151219\*20141222  
REF\*VR\*SPM03022U  
N1\*BY\*FLEXTRONICS Computing (Suzhou) Co Ltd.\*92\*898  
N1\*ST\*RAW MATERIAL WH - None Bonde\*92\*898500  
N1\*SE\*MAXIM INTEGRATED PRODUCTS INTL LTD\*92\*SPM03022U  
LIN\*1\*BP\*ALCH-1AB209270001\*VP\*MAX8516EUB+T\*PU\*1AB209270001\*KF\*FLT\*EC\*X1  
UIT\*EA  
REF\*PO\*89B156574  
PER\*BD\*PCBA\_Alex Wang  
QTY\*17\*0  
QTY\*YW\*0  
QTY\*72\*0  
QTY\*73\*0  
FST\*0\*D\*W\*20150927  
FST\*2500\*D\*W\*20151025  
FST\*0\*D\*W\*20151101  
FST\*0\*D\*W\*20151206  
LIN\*2\*BP\*ALCH-1AB229700001\*VP\*MAX8526EUD+T\*PU\*1AB229700001\*KF\*FLT\*EC\*X1  
UIT\*EA  
REF\*PO\*89B156575  
PER\*BD\*PCBA\_Alex Wang  
QTY\*17\*0  
QTY\*YW\*0  
QTY\*72\*0  
QTY\*73\*0  
FST\*0\*D\*W\*20150628  
FST\*2500\*D\*W\*20150726  
FST\*0\*D\*W\*20150906  
FST\*2500\*D\*W\*20150927  
FST\*0\*D\*W\*20151025  
FST\*0\*D\*W\*20151129  
LIN\*3\*BP\*ALCH-1AB238810001\*VP\*MAX1510ETB+T\*PU\*1AB238810001\*KF\*FLT\*EC\*X1  
UIT\*EA  
REF\*PO\*89B134909  
PER\*BD\*PCBA\_Alex Wang  
QTY\*17\*0  
QTY\*YW\*0  
QTY\*72\*0  
QTY\*73\*0  
FST\*0\*D\*W\*20150628  
FST\*2500\*D\*W\*20150726  
FST\*0\*D\*W\*20151129  
CTT\*5\*15000  
SE\*65\*211829796  
GE\*1\*193  
IEA\*1\*000068654

Forecast With Quantity:

ISA\*00\* \*00\* \*14\*621658251364T \*01\*003012549TEST  
\*020724\*1445\*U\*00400\*000000223\*1\*T\*~  
GS\*PS\*621658251364\*003012549\*20020724\*1445\*2\*X\*004010  
ST\*830\*0001  
BFR\*00\*C36420020723I50121\*2002-30\*DL\*A\*20020722\*20030714\*20020723  
N1\*BY\*Flextronics Tecn. - São José\*92\*364  
N1\*SE\*TYCO ELECTRONICS CORPORATION\*92\*I50121  
LIN\*1\*BP\*ERBRNV40315\*VP\*1377333  
UIT\*EA  
REF\*PO\*30060  
PER\*BD\*ROBSON ALENCAR  
QTY\*17\*31442  
QTY\*YW\*0  
FST\*720\*D\*W\*20020722  
FST\*20160\*D\*W\*20020805  
FST\*3600\*D\*W\*20020812  
FST\*12240\*D\*W\*20020902  
FST\*7920\*D\*W\*20021007  
FST\*5040\*D\*W\*20021104  
FST\*17280\*D\*W\*20021202  
FST\*9360\*D\*W\*20030106  
FST\*13680\*D\*W\*20030210  
FST\*19440\*D\*W\*20030317  
LIN\*2\*BP\*ERBRPT403298/003\*VP\*RPT 403 298/002  
UIT\*EA  
REF\*PO\*51000  
PER\*BD\*ROBSON ALENCAR  
QTY\*17\*45371  
QTY\*YW\*0  
FST\*100\*D\*W\*20020722  
FST\*18479\*D\*W\*20020805  
FST\*3280\*D\*W\*20020812  
FST\*8481\*D\*W\*20020902  
FST\*6000\*D\*W\*20021007  
FST\*4000\*D\*W\*20021104  
FST\*17000\*D\*W\*20021202  
FST\*8000\*D\*W\*20030106  
FST\*12000\*D\*W\*20030210  
FST\*19000\*D\*W\*20030317  
LIN\*3\*BP\*HPM1252-2415\*VP\*1470224-2  
UIT\*EA  
REF\*PO\*30315  
PER\*BD\*ALEX SANDRO CAPALBO  
QTY\*17\*35925  
QTY\*YW\*0  
FST\*144000\*D\*W\*20020722  
FST\*144000\*D\*W\*20020729  
FST\*144000\*D\*W\*20020805  
FST\*144000\*D\*W\*20020812  
FST\*144000\*D\*W\*20020819  
FST\*360000\*D\*W\*20020826  
FST\*360000\*D\*W\*20020902  
FST\*360000\*D\*W\*20020909  
FST\*288000\*D\*W\*20020916  
FST\*360000\*D\*W\*20020923  
FST\*360000\*D\*W\*20020930  
FST\*360000\*D\*W\*20021007  
FST\*360000\*D\*W\*20021014  
FST\*72000\*D\*W\*20021021  
FST\*360000\*D\*W\*20021028



FST\*360000\*D\*W\*20021104  
FST\*360000\*D\*W\*20021111  
FST\*360000\*D\*W\*20021118  
FST\*288000\*D\*W\*20021125  
FST\*360000\*D\*W\*20021202  
FST\*360000\*D\*W\*20021209  
FST\*360000\*D\*W\*20021216  
FST\*288000\*D\*W\*20021223  
FST\*360000\*D\*W\*20021230  
FST\*360000\*D\*W\*20030106  
FST\*360000\*D\*W\*20030113  
FST\*144000\*D\*W\*20030120  
FST\*360000\*D\*W\*20030127  
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