FLEX N GATE

EDI IMPLEMENTATION GUIDE

830 PLANNING SCHEDULE
WITH RELEASE CAPABILITY

ANSI X12 v4010

830 Planning Schedule with Release Capability

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 **daily**, 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. ANSI standards and AIAG guidelines list many optional segments and elements in the v4010 830. Segments and elements not listed below will not be used by Flex-N-Gate. The supplier's software <u>must</u> be able to process all segments and elements listed. The left-hand column provides information on Flex-N-Gate's normal usage. "Always" means that the segment or element will always be sent by Flex-N-Gate.

"Optional +" indicates that this segment is usually sent. "Optional –"means that this segment is rarely used.

Within one day of receiving an 830, a 997 should be returned. See end of this documentation for a sample of the 997.

Changes made:

Revision 6: dated: 02 08 2017 - There was a note added to explain the past due calculation.

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Heading:

FNG Usage	Pos No.	Seg. ID	Name	AIAG Usage	Max Use	Loop Repeat	Notes and Comments
Always	10	ST	Transaction Set Header	M	1		
Always	20	BFR	Beginning Segment for Planning Schedule	M	1		
LOOP ID - N1						200	
Always +	240	N1	Name	O	1		
Optional +	290	PER	Administrative contact	O	3		

Detail:

FNG Usage	Pos No.	Seg. ID	Name	AIAG Usage	Max Use	Loop Repeat	Notes and Comments
LOOP ID – LIN						>1	
Always	350	LIN	Item Identification	M	1		
Always	360	UIT	Unit Detail	O	1		
Optional -	460	PRS	Part Release Status	O	1		
Optional -	470	REF	Reference Identification	O	12		
Optional +	550	ATH	Resource Authorization	O	20		
LOOP ID – LIN/N1						200	
Optional +	690	N1	Name	O	1		
Optional +	710	N3	Address Information	O	1		
Optional +	720	N4	Geographic Location	O	1		
LOOP ID – LIN/FST						260	
Optional +	800	FST	Forecast Schedule	O	1		
LOOP ID – LIN/SHP						25	
Optional +	900	SHP	Shipped/Received Information	O	1		
Optional +	910	REF	Reference Identification	O	1	5	

Summary:

FNG Usage	Pos No.	Seg. ID	Name	AIAG Usage	Max Use	Loop Repeat	Notes and Comments
Always	950	CTT	Transaction Totals	O	1		n1
Always	960	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of LIN segments.

Segment: **ST** **Transaction Set Header**
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

FNG Usage	Ref. Des.	Data Element	Name	Attributes	
Always	ST01	143	**Transaction Set Identifier Code**	**M**	**ID 3/3**
			Code uniquely identifying a Transaction Set		
			830	Planning Schedule with Release Capability	
Always	ST02	329	**Transaction Set Control Number**	**M**	**AN 4/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		

Data Element Summary

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	BFR02 is the identifying number for a forecast assigned by the orderer/purchaser.
	2	BFR06 is the forecast horizon start date: The date when the forecast horizon (envelope) begins.
	3	BFR07 is the forecast horizon end date: The date when the forecast horizon (envelope) ends.
	4	BFR08 is the date forecast generated: The date the forecast data was generated.
	5	Use LIN05 for Purchase Order rather than BFR11 since there may be more than one PO on the 830.

Data Element Summary

FNG Usage	Ref. Des.	Data Element	Name		Attributes
Always	**BFR01**	**353**	**Transaction Set Purpose Code** Code identifying purpose of transaction set	M	ID 2/2
			04 Change 05 Replace		
Always	**BFR02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30
Always	**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
Always	**BFR04**	**675**	**Schedule Type Qualifier** Code identifying the type of dates used when defining a shipping or delivery time in a schedule or forecast DL Delivery Based SH Shipment Based	M	ID 2/2
Always	**BFR05**	**676**	**Schedule Quantity Qualifier** Code identifying the type of quantities used when defining a schedule or forecast A Actual Discrete Quantities	M	ID 1/1
Always	**BFR06**	**373**	**Forecast Horizon Start Date** Date expressed as CCYYMMDD	M	DT 8/8
Always	**BFR07**	**373**	**Forecast Horizon End Date** Date expressed as CCYYMMDD	O	DT 8/8
Always	**BFR08**	**373**	**Generation Date** Date expressed as CCYYMMDD	M	DT 8/8
Always	**BFR11**	**324**	**Purchase Order Number** Identifying number for Purchase Order Number assigned by Purchaser	M	AN 9/9

Segment: # N1 Name

Position:	240
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
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 The N1*ST will be used at either the header level or at the detail level, but never at both levels. If all parts in a transaction set have the same ship to destination, the header level N1*ST will be used. If parts have different destinations, the detail level segment will be used within every LIN loop.
	3 N103 for N1*SU is mandatory to match whit the 856 that you return. If you do not supply this on the 856 the GS segment will be used

Data Element Summary

FNG Usage	Ref. Des.	Data Element	Name	Attributes	
Always	**N101**	**98**	**Entity Identifier Code**	**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
Always			MI Material Release Issuer		
See comment 2			ST Ship To		
See comment 3			SU Supplier/Manufacturer		
Always	**N102**	**93**	**Name**	**X**	**AN 1/60**
			Free-form name		
Always	**N103**	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			1 D-U-N-S Number, Dun & Bradstreet		
			01 D-U-N-S Number, Dun & Bradstreet		
			92 Assigned by Buyer or Buyer's Agent		
Always	**N104**	**67**	**Identification Code**	**X**	**AN 2/80**
			Code identifying a party or other code		
			Suppress internal dashes and spaces. This is normally your DUNS number can also be mutually defined		

Segment: **PER** Administrative Communications Contact
Position: **290**
Loop: N1
Level: Header
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 This segment is used only for the Ship-to.
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Always	**PER01**	**366**	**Contact Function Code**	**M**	**ID 2/2**
			Code identifying the major duty or responsibility of the person or group named		
			EX Expeditor		
Always	**PER02**	**93**	**Name**	**O**	**AN 1/60**
			Free-form name		
Optional +	**PER03**	**365**	**Communications Number Qualifier**	**X**	**ID 2/2**
			Code identifying the type of communications number		
			TE Telephone		
Optional +	**PER04**	**364**	**Communications Number**	**X**	**A/N 1/80**
			Complete communications number including country or area code		
Optional +	**PER05**	**365**	**Communications Number Qualifier**	**X**	**ID 2/2**
			Code identifying the type of communications number		
			FX Facsimile		
Optional +	**PER06**	**364**	**Communications Number**	**X**	**A/N 1/80**
			Complete communications number including country or area code		

Segment: **LIN** Item Identification
Position: 350
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 LIN08 or LIN09 is present, then the other is required.
3 If either LIN12 or LIN13 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 LIN13 provide for six different product/service IDs for each item.

Data Element Summary

FNG Usage	Ref. Des.	Data Element	Name		Attributes
Always	LIN02	235	**Product/Service ID Qualifier**	M	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			BP Buyer's Part Number		
Always	LIN03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		
Always	LIN04	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			PO Purchase Order Number		
Always	LIN05	234	**Product/Service ID**	X	AN 1/48
			Identifying number for a product or service		
Optional -	LIN06	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			EC Engineering Change Level		
Optional -	LIN07	234	**Product/Service ID**	X	AN 1/48
			Identifying number for a product or service		
Optional -	LIN08	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			VP Vendor Part		
Optional -	LIN09	234	**Product/Service ID**	X	AN 1/48
			Identifying number for a product or service		
Optional -	LIN10	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			RY Model Year		
Optional -	LIN11	234	**Product/Service ID**	X	AN 1/48
Optional -	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)		
			PD Part Description		
Optional -	LIN13	234	**Product/Service ID**	X	AN 1/48

Segment: **UIT** Unit Detail
Position: 360
Loop: LIN   Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify item unit data
Syntax Notes: **1** if UIT03 is present, then UIT02 is required.
Semantic Notes: UIT01 is a composite data element, C001, which contains 15 simple data elements. AIAG only utilizes the first component of the composite, data element 355. This implementation guideline reflects that decision by substituting 355 for C001, which is syntactically correct.
Comments: **1** The unit of measure in the SN103 element on the 856 for a given part should match the unit of measure in UIT01 for that part.

Data Element Summary

FNG Usage	Ref. Des.	Data Element	Name	Attributes
Always	UIT01	355	**Unit or Basis for Measurement Code**	M AN 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			Any valid X12 code value except mutually defined: 'ZZ'	

Segment: **PRS** Part Release Status
Position: 460
Loop: LIN   Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To indicate the status of the part being ordered or forecast with respect to this material release or planning document
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

FNG Usage	Ref. Des.	Data Element	Name	Attributes
Optional -	PRS01	682	**Part Release Status Code**	M ID 1/2
			Code identifying the status of the specific part number being released or forecast or being used in an engineering change	
			Any valid X12 code value.	

Segment: **REF** Reference Identification
Position: **470**
Loop: LIN Mandatory
Level: Detail
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes: 1 At least one REF02 is required.
.

Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Optional -	**REF01**	**128**	**Reference Identification Qualifier**	**M ID 2/3**

Code qualifying the Reference Identification

DK	Dock code
LF	Line Feed
RL	Reserve Line Feed

	Ref. Des.	Data Element	Name	Attributes
Optional -	**REF02**	**127**	**Reference Identification**	**X AN 1/30**

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

Segment:	**ATH** Resource Authorization
Position:	550
Loop:	LIN Mandatory
Level:	Detail
Usage:	Optional
Max Use:	20
Purpose:	To specify resource authorizations (i.e., finished labor, material, etc.) in the planning schedule
Syntax Notes:	1 At least one of ATH02 or ATH03 is required.
	2 If ATH03 is present, then ATH05 is required.
Semantic Notes:	1 ATH02 is the resource authorization through date: The date through which the buyer authorizes the seller to commit the resource defined in element ATH01.
	2 ATH03 is the current cumulative requirements quantity: The cumulative quantity that has been authorized to date from the cumulative start date (ATH05) through the resource authorization through date (ATH02).
	3 ATH05 is the cumulative start date: The date where the cumulative quantity count starts. This date might be the start date of a contract period, a calendar or fiscal year, or other.
Comments:	1 It is imperative that negotiations defining financial commitment have previously occurred and are agreed to by both buyer and seller.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Always	**ATH01**	**672**	**Resource Authorization Code**	**M**	**ID 2/2**

Code identifying the resource which the buyer is authorizing the seller to commit to

FI	Finished (Labor, Material, and Overhead/Burden)	
MT	Material	
PQ	Cumulative Quantity Required Prior to First Schedule Period	

NOTE: If the first FST is prior to today date then that Cumulative Quantity is added to the PQ Cumulative Quantity prior to subtracting the SHP 02 Cumulative Quantity the calculation to verify if you have a past due amount.

	Ref. Des.	Data Element	Name	Attributes	
Always	**ATH02**	**373**	**Date**	**X**	**DT 8/8**
			Date expressed as CCYYMMDD		
See syntax	**ATH03**	**380**	**Authorization Cum Required Quantity**	**X**	**R 1/15**
			Numeric value of quantity		
See syntax	**ATH05**	**373**	**Required Ship Date**	**X**	**DT 8/8**
			Date expressed as CCYYMMDD		

Segment: **N1** Name
Position: 690
Loop: LIN/N1   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1   At least one of N102 or N103 is required.
     2   If either N103 or N104 is present, then the other is required.
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   The N1*ST will be used at either the header level or at the detail level, but never at both levels. If all parts in a transaction set have the same ship to destination, the header level N1*ST will be used. If parts have different destinations, the detail level segment will be used.

Data Element Summary

FNG Usage	Ref. Des.	Data Element	Name	Attributes	
Always	**N101**	**98**	**Entity Identifier Code**	**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			ST Ship To		
Always	**N102**	**93**	**Name**	**X**	**AN 1/60**
			Free-form name		
Always	**N103**	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			1 D-U-N-S Number, Dun & Bradstreet		
Always	**N104**	**67**	**Identification Code**	**X**	**AN 2/80**
			Suppress internal dashes and spaces.		
			Code identifying a party or other code		

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Segment:N3 **Address Information**
Position: **710**
Loop: LIN/N1   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

FNG Usage	Ref. Des.	Data Element	Name	Attributes
Optional -	N301	166	Address Information	M ID 1/55
Optional -	N302	166	Address Information	O AN 1/55

Segment: **N4** **Geographic Location**
   Position: **720**
    Loop: LIN/N1   Optional
    Level: Detail
    Usage: Optional
   Max Use: 1
   Purpose: To specify the geographic location, e.g., city, state, of the named party
  Syntax Notes:
 Semantic Notes:
   Comments: **1**

Data Element Summary

FNG Usage	Ref. Des.	Data Element	Name		Attributes
Optional -	**N401**	19	**City Name**	M	AN 2/30
Optional -	**N402**	156	State/Province	O	ID 1/2
Optional -	**N403**	116	Postal code	O	ID 3/15
Optional -	**N404**	26	**Country Code**	O	ID 2/3

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Segment: **FST** **Forecast Schedule**
Position: 800
Loop: LIN/FST   Optional
Level: Detail
Usage: Optional
Max Use: 260
Purpose: To specify the forecasted dates and quantities

Syntax 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.   Flex-N-Gate may send daily requirements.

Data Element Summary

FNG Usage	Ref. Des.	Data Element	Name	Attributes	
Always	FST01	380	**Quantity**	**M**	**R 1/15**
			Numeric value of quantity		
Always	FST02	680	**Forecast Qualifier**	**M**	**ID 1/1**
			Code specifying the sender's confidence level of the forecast data or an action associated with a forecast		
			C Firm		
			D Planning		
Always	FST03	681	**Forecast Timing Qualifier**	**M**	**ID 1/1**
			Code specifying interval grouping of the forecast		
			D Discrete		
			F Flexible Interval (from Date X through Date Y)		
			M Monthly Bucket (Calendar Months)		
			W Weekly Bucket		
Always	FST04	373	**Forecast Begin Date**	**M**	**DT 8/8**
			Date expressed as CCYYMMDD		
See syntax &comments	FST05	373	**Forecast End Date**	**O**	**DT 8/8**
			Date expressed as CCYYMMDD		

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Segment:	**SHP** Shipped/Received Information		
Position:	900		
Loop:	LIN/SHP	Optional	
Level:	Detail		
Usage:	Optional		
Max Use:	1		
Purpose:	To specify shipment and/or receipt information		
Syntax Notes:	**1**	If SHP01 is present, then SHP02 is required.	
	2	If SHP03 is present, then at least one of SHP04 or SHP05 is required.	
	3	If SHP04 is present, then SHP03 is required.	
Semantic Notes:	**1**	SHP04 is the date shipped, delivered, received, or the cumulative quantity start date (as qualified by SHP03).	
Comments:	**1**	The SHP segment is used to communicate shipment, delivery, or receipt information and may include discrete or cumulative quantities, dates, and times.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Always	**SHP01**	**673**	**Quantity Qualifier** Code specifying the type of quantity	**O ID 2/2**
			01 Discrete Quantity	
			02 Cumulative Quantity	
Always	**SHP02**	**380**	**Quantity** Numeric value of quantity	**X R 1/15**
Always	**SHP03**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time	**X ID 3/3**
			050 Received	
			051 Cumulative Quantity Start	
Always	**SHP04**	**373**	**Date** Date expressed as CCYYMMDD	**X DT 8/8**

Segment: **REF** Reference Identification
Position: 910
Loop: SHP   Optional
Level: Detail
Usage: Optional
Max Use: 5
Purpose: To specify identifying information
Syntax Notes: **1**   At least one REF02 is required.
     .

Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Always	REF01	128	**Reference Identification Qualifier** Code qualifying the Reference Identification	M ID 2/3
			SI Shipper's Identifying Number for Shipment (SID) A unique number (to the shipper) assigned by the shipper to identify the shipment	
Always	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

Segment: **CTT** Transaction Totals
Position: 950
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes:
Semantic Notes:
Comments: **1.**   this segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Always	CTT01	354	**Number of Line Items**	M N0 1/6
			Total number of line items in the transaction set	
			Total number of LIN segments	

Segment: **SE** Transaction Set Trailer
Position: 960
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	
Always	SE01	96	**Number of Included Segments**	**M**	**N0 1/10**
			Total number of segments included in a transaction set including ST and SE segments		
> Always	SE02	329	**Transaction Set Control Number**	**M**	**AN 4/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		

```
ISA~00~            ~00~             ~ZZ~OURDUNS#       ~ZZ~VENDDUNS#~020801~1046
~U~00401~000000006~0~T~@*
GS~PS~ OURDUNS#~VENDDUNS#~20020801~1046~6~X~004010*
ST~830~0006*
BFR~05~2002213B~2002213B~DL~A~20020801~20021103~20020801*
N1~MI~FLEX-N-GATE~01~ OURDUNS#*
N1~SU~TEST VENDOR~01~VENDDUNS#*
N1~ST~FLEX-N-GATE~01~ OURDUNS#*
PER~EX~CHARLES SNYDER~TE~519-727-3931~FX~519-727-6436*
LIN~~BP~TEST MATERIAL 1~PO~001628*
UIT~EA*
REF*LF*S-4
ATH~PQ~20020801~24800~~20020101*
ATH~FI~20020801~0~~20020101*
ATH~MT~20020801~0~~20020101*
FST~100~C~D~20020801*
FST~100~C~D~20020802*
FST~0~C~D~20020803*
FST~0~C~D~20020804*
FST~150~C~D~20020805*
FST~0~C~D~20020806*
FST~50~C~D~20020807*
FST~100~C~D~20020808*
FST~100~C~D~20020809*
FST~0~C~D~20020810*
FST~0~C~D~20020811*
FST~2000~D~F~20020812~20020908*
FST~1900~D~F~20020909~20021006*
FST~2200~D~F~20021007~20021103*
SHP~01~1010~050~20020628*
REF~SI~5FF427*
SHP~02~24800~051~20020101*
LIN~~BP~TEST MATERIAL 2~VP~ Vendor MATERIAL 2~PO~001629*
UIT~EA*
REF*LF*S-6
ATH~PQ~20020801~2370~~20020101*
ATH~FI~20020801~0~~20020101*
ATH~MT~20020801~0~~20020101*
FST~10~C~D~20020801*
FST~20~C~D~20020802*
FST~0~C~D~20020803*
FST~0~C~D~20020804*
FST~0~C~D~20020805*
FST~20~C~D~20020806*
FST~20~C~D~20020807*
FST~0~C~D~20020808*
FST~0~C~D~20020809*
FST~0~C~D~20020810*
FST~0~C~D~20020811*
FST~150~D~F~20020812~20020908*
FST~200~D~F~20020909~20021006*
FST~300~D~F~20021007~20021103*
SHP~01~210~050~20020702*
REF~SI~XYZ123*
SHP~02~2370~051~20020101*
```

```
CTT~2*
SE~52~0006*
GE~1~6*
IEA~1~000000006*
```

Sample 997

```
ISA~00~      ~00~       ~ZZ~VENDDUNS#     ~ZZ~ OURDUNS#    ~
020801~1807~U~00401~000000129~0~T*:
GS~FA~VENDDUNS#~ OURDUNS#~20020801~1807~129~X~004010*
ST~997~0004*
AK1~PS~6*
AK2~830~0006*
AK5~A*
AK9~A~1~1~1*
SE~6~0004*
GE~1~129*
IEA~1*000000129*
```