

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.

Heading:

	<u>Pos.</u>	<u>Seg.</u>	<u>Name</u>	<u>Req.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	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		
	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	
	230	N1	Name	O	1		
	240	N2	Additional Name Information	O	2		
	250	N3	Address Information	O	2		
	260	N4	Geographic Location	O	1		
Not Used	270	REF	Reference Identification	O	12		
	280	PER	Administrative Communications Contact	O	3		
Not Used	290	FOB	F.O.B. Related Instructions	O	1		

			LOOP ID - LM		>1
Not Used	300	LM	Code Source Information	O	1
Not Used	310	LQ	Industry Code	M	100

Detail:

	<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>
			LOOP ID - LIN			>1	
M	010	LIN	Item Identification	M	1		
	020	UIT	Unit Detail	O	1		
Not Used	021	DTM	Date/Time Reference	O	10		
Must Use	030	CUR	Currency	O	1		
Not Used	060	PO3	Additional Item Detail	O	25		
Not Used	070	CTP	Pricing Information	O	25		
Not Used	080	PID	Product/Item Description	O	1000		
Not Used	090	MEA	Measurements	O	40		
Not Used	100	PWK	Paperwork	O	25		
Not Used	110	PKG	Marking, Packaging, Loading	O	25		
Not Used	120	PO4	Item Physical Details	O	1		
Not Used	130	PRS	Part Release Status	O	1		
Not Used	140	REF	Reference Identification	O	12		
Not Used	150	PER	Administrative Communications Contact	O	3		
Not Used	170	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
Not Used	180	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
Not Used	190	TAX	Tax Reference	O	3		
Not Used	200	FOB	F.O.B. Related Instructions	O	1		
Not Used	210	LDT	Lead Time	O	12		
	220	QTY	Quantity	O	>1		n1
Not Used	230	ATH	Resource Authorization	O	20		
Not Used	240	TD1	Carrier Details (Quantity and Weight)	O	1		
Not Used	250	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	260	TD3	Carrier Details (Equipment)	O	12		
Not Used	270	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
Not Used	280	MAN	Marks and Numbers	O	10		
Not Used	290	DD	Demand Detail	O	10		
			LOOP ID - SLN			100	
Not Used	300	SLN	Subline Item Detail	O	1		
Not Used	310	PID	Product/Item Description	O	1000		
Not Used	315	NM1	Individual or Organizational Name	O	10		
			LOOP ID - N1			200	
Not Used	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	
Not Used	390	LM	Code Source Information	O	1		

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

	<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>
	010	CTT	Transaction Totals	O	1		n3
M	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) 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:
Business Rules: Variable Name: STST

Data Element Summary

	<u>Ref. Des.</u>	<u>Data 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 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	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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	BFR01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original	M ID 2/2
	BFR02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier This is the Purchase Order number received as an 850 transaction with a PO Type Code of BE in the BEG02.	X AN 1/30
	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
M	BFR04	675	Schedule Type Qualifier Code identifying the type of dates used when defining a shipping or delivery time in a schedule or forecast JS Buyer Production Sequence Schedule	M ID 2/2
M	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
M	BFR06	373	Date Date expressed as CCYYMMDD Forecast Start Date	M DT 8/8
	BFR07	373	Date Date expressed as CCYYMMDD Forecast End Date	O DT 8/8
M	BFR08	373	Date Date expressed as CCYYMMDD Forecast Create Date	M DT 8/8

Segment: **REF** Reference Identification
Position: 050
Loop:
Level: Heading
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. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
			CT Contract Number This is the Contract Number returned to 3M from the Original Contract	
			KY Site Specific Procedures, Terms, and Conditions A set of procedures, terms, and conditions, applicable to a category of procurement emanating from a specific location, which will be incorporated into all procurement actions in that category by referencing its unique number rather than by incorporating the lengthy details it represents Freight Terms of the purchase order.	
			KZ Master Solicitation Procedures, Terms, and Conditions A set of standard procedures, terms, and conditions, applicable to a category of procurement, which will be incorporated into all procurement actions in that category by referencing its unique number rather than by incorporating the lengthy details it represents Terms and Conditions of the purchase order.	
			ZZ Mutually Defined Country Specific Text - sent only if it is a legal requirement for a country. See appendix.	
	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
	REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80

Segment: **N1** Name
Position: 230
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 N105 and N106 further define the type of entity in N101.
Notes: When N1_01 is Set to "BY" you will receive a PER:Segment where PER_01 is set to "BD"
 When N1_01 is Set to "VN" you will receive a PER:Segment where PER_01 is set to "IC"
 When N1_01 is Set to "ST" you will receive a PER:Segment where PER_01 is set to "IC"

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual BY Buying Party (Purchaser) ST Ship To VN Vendor	M ID 2/3
	N102	93	Name Free-form name	X AN 1/60
	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent	X ID 1/2
	N104	67	Identification Code Code identifying a party or other code 3M assigned vendor number, plant, or company code. May differ by address type.	X AN 2/80

Segment: N2 Additional Name Information
Position: 240
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data		Attributes
	Des.	Element	Name	
M	N201	93	Name Free-form name	M AN 1/60

Segment: N3 Address Information
Position: 250
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
M	N301	166	Address Information Address information	M AN 1/55
	N302	166	Address Information Address information	O AN 1/55

Segment: **N4 Geographic Location**
Position: 260
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
N401	19	City Name Free-form text for city name	O AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15
N404	26	Country Code Code identifying the country	O ID 2/3
N405	309	Location Qualifier Code identifying type of location 34 District RG Region Code Qualifies a code that identifies a geographic area where transportation rates apply	X ID 1/2
N406	310	Location Identifier Code which identifies a specific location	O AN 1/30

Segment: **PER** Administrative Communications Contact
Position: 280
Loop: N1 Optional
Level: Heading
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:

Data Element Summary

M	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
	PER01	366	icContact Function Code Code identifying the major duty or responsibility of the person or group named BD Buyer Name or Department IC Information Contact	M ID 2/2
	PER02	93	Name Free-form name	O AN 1/60
	PER03	365	Communication Number Qualifier Code identifying the type of communication number TE Telephone	X ID 2/2
	PER04	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
	PER05	365	Communication Number Qualifier Code identifying the type of communication number FX Facsimile	X ID 2/2
	PER06	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
	PER07	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail	X ID 2/2
	PER08	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80

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:

Comments:

- 1 LIN01 is the line item identification
- 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.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
LIN01	350	Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
		3M Assigned Line Number	
M	LIN02	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	
M	LIN03	Product/Service ID	M AN 1/48
		Identifying number for a product or service	
	LIN04	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's (Seller's) Part Number	
	LIN05	Product/Service ID	X AN 1/48
		Identifying number for a product or service	

Segment: **UIT** Unit Detail
Position: 020
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:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	UIT01	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	M
M	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
	UIT02	212	Unit Price Price per unit of product, service, commodity, etc.	X R 1/17

Segment: **CUR** Currency

Position: 030

Loop: LIN Mandatory

Level: Detail

Usage: Optional (Must Use)

Max Use: 1

Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Syntax Notes:

- 1 If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- 4 If CUR11 is present, then CUR10 is required.
- 5 If CUR12 is present, then CUR10 is required.
- 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- 7 If CUR14 is present, then CUR13 is required.
- 8 If CUR15 is present, then CUR13 is required.
- 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- 10 If CUR17 is present, then CUR16 is required.
- 11 If CUR18 is present, then CUR16 is required.
- 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- 13 If CUR20 is present, then CUR19 is required.
- 14 If CUR21 is present, then CUR19 is required.

Semantic Notes:

Comments:

- 1 See Figures Appendix for examples detailing the use of the CUR segment.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	CUR01	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual BY Buying Party (Purchaser)	M ID 2/3
M	CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified	M ID 3/3

Segment: QTY Quantity
Position: 220
Loop: LIN Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify quantity information
Syntax Notes: 1 At least one of QTY02 or QTY04 is required.
 2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Quantity Qualifier</u>	
M	QTY01	673	Quantity Qualifier Code specifying the type of quantity	M ID 2/2
			02 Cumulative Quantity Cumulative quantity released	
			45 Cumulative quantity on order Cumulative Quantity on Original Order	
			87 Quantity Received Cumulative quantity received	
			QD Quantity Delivered Last schedule line quantity delivered	
	QTY02	380	Quantity Numeric value of quantity	X R 1/15
	QTY03	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	O
M	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2

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.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	FST01	380 Quantity	M R 1/15
		Numeric value of quantity	
		Cumulative Quantity on Original Order	
M	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	
		Z Mutually Defined	
		Indicates go-ahead for production: The schedule lines within this zone count as firm and are therefore fully binding. If these are cancelled within the firm zone, the vendor is entitled to charge for both production costs and the costs of procuring input materials incurred as a result of the cancellation."	
		Indicates forecast: All schedule lines that lie beyond the first two zones (delivery is tentatively scheduled into the future) fall within the planning forecast zone. The vendor is not entitled to charge for any costs items that fall in the planning forecast zone.	
		Indicates go-ahead for procurement of input materials: This is the "semi-firm" zone, giving the vendor the go-ahead to procure necessary input materials to manufacture the item ordered. If cancellation is within this semi-firm zone, the vendor is only entitled to charge for material costs.	
M	FST03	681 Forecast Timing Qualifier	M ID 1/1
		Code specifying interval grouping of the forecast	
		C Daily	
M	FST04	373 Date	M DT 8/8

Date expressed as CCYYMMDD

Requested Delivery Date

FST06 374 Date/Time Qualifier X ID 3/3

Code specifying type of date or time, or both date and time

002 Delivery Requested

FST07 337 Time X TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

HHMM

Segment: QTY Quantity
Position: 415
Loop: FST Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify quantity information
Syntax Notes: 1 At least one of QTY02 or QTY04 is required.
 2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.
Comments:
Notes:

When FST_02 is set to "C" or "Z" then QTY_01 will be set to "01"
 When FST_02 is set to "D" then QTY_01 will be set to "AY"

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	QTY01	673	Quantity Qualifier Code specifying the type of quantity 01 Discrete Quantity AY Forecast	M ID 2/2
	QTY02	380	Quantity Numeric value of quantity	X R 1/15
	QTY03	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	O
M	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2

Segment: **CTT** Transaction Totals
Position: 010
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes:

- 1 If either CTT03 or CTT04 is present, then the other is required.
- 2 If either CTT05 or CTT06 is present, then the other is required.

Semantic Notes:
Comments:

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

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M		354	Number of Line Items Total number of line items in the transaction set	M N0 1/6

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

APPENDIX

Transaction Example for Planning Schedule:

ISA*00* *00* *ZZ*SENDERID *ZZ*RECEIVERID
*150217*1316*U*00401*000185215*0*P*>~
GS*PO*SENDERID*RECEIVERID*CCYMMDD*HHMM*123*X*004010~
ST*830*0032~
BFR*00*3MPONUMBER*1*JS*A*CCYMMDD*CCYMMDD*CCYMMDD~
REF*KZ*TERMS AND CONDITIONS*For PO terms and conditions and MSDS treatment see www.3M.ca~
REF*KY*FREIGHT TERMS*For PO terms and conditions and MSDS treatment see www.3M.ca~
N1*BY*3M COMPANY~
PER*BD*NAME OF 3M BUYER*TE*PHONE NUMBER Ext 123*FX*FAX NUMBER*EM*EMAIL ADDRESS~
N1*VN*SUPPLIER*92*0001234567~
N3*456 VENDOR ROAD ~
N4*ANYTOWN*ON*A1A 1A1*CA~
N1*ST*3M Brockville - Tape*92*20001000~
N3*60 CALIFORNIA AVENUE, BLDG # 501~
N4*BROCKVILLE*ON*K6V 5W1*CA*34*Company~
LIN*00010*BP*7100000221*VP*123456~
UIT*EA*20~
CUR*BY*USD~
QTY*45*20*EA~
QTY*QD*0*EA~
QTY*87*0*EA~
QTY*02*0*EA~
FST*20*C*C*20160906**002*1200~
QTY*01*5*EA~
FST*20*Z*C*20160930**002*2212~
QTY*01*5*EA~
FST*20*D*C*20161231~
QTY*AY*5*EA~
CTT*1~
SE*27*0032~
GE*1*32~
IEA*1*000000847~

Country Specific Requirements

3M Germany

Managing Director text will be found at the header in the REF segment.

ANSI Fields:

REF01 = ZZ

REF02 = MD TEXT

REF03 = SITZ- 41453 NEUSS, HANDELSREGISTER- HRB 1878 AMTSGERICHT NEUSS, VORSIT:ZENDER DES AUFSICHTSRATES- KURT-HENNING WIETHOFF GESCHAFTSFUHRER- REZA: VAZIRI, DR. JOERG DEDERICHS,MICHAEL PETERS, STEFAN SCHULZ, VORSITZEND:ER DER GESCHAFTSFUHRUNG- CHANGED

3M Italy

Italy extended address information will be found at the header in REF segment.

ANSI Fields:

REF01 = ZZ

REF02 = 3M ITALIA SRL

REF03 = CAPITALE SOCIALE € 9.150.000 I.V., CF E N. ISCR. R.I. DI MILANO 00100190610 P.IVA 12971700153, SOC. CON UNICO SOCIO SOGGETTA A DIR. E COORD. DI 3M COMPANY