

Chapter 3

EDI Transaction Sets

Document 3-4

Planning Schedule (Forecast) 830 (Version 4010)

[Data Segment List](#)

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EC Implementation Guide

Last Updated: November 28 2007

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Overview

To help our trading partners plan for, and fulfill CTC requirements, we will be issuing the Planning Schedule with Release Capability transaction set. This information is more commonly referred to as a Planned Order Forecast. By providing this information to our trading partners, our goal is to raise the service level on inbound merchandise to 95% or above.

The Planned Order forecast will be created for each CTC product number, and then for each trading partner of that product. If you are a trading partner with different FOB points (Canada, USA and Orient), CTC has assigned multiple Trading Partner numbers to you. **Planned Order forecasts will be issued to each vendor number.**

The forecast includes all demand (i.e. regular, placing and promotional forecasts), as well as reorder estimates. It is for forecast requirements, any purchase orders that have been issued will not be included in the total. The Planned Order forecast will be created at a National level, cover a rolling 26 week period and be sent weekly.

NOTE: The dates found in the Planned Order forecast specify the actual date the supplier is expected to have product available to ship to CTC.

CTC will send a national forecast weekly transmission.

In this document, we:



Document Purpose

- explain how to use the forecast transaction set - *page 4* provide a list of the data segments in the set - *page 6*
 - provide the individual data segments and the data element values to be used - *page 7*
 - provide examples of forecasts mapped as 830 transaction sets - *page 14*
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Contact Information

EC/EDI issues while testing the 830:

Electronic Commerce Dept

416-480-8754

ecommerce@cantire.com

Business issues while testing the 830:

Electronic Commerce Dept

416-480-8754

ecommerce@cantire.com

EC/EDI issues when in production:

Electronic Commerce Dept

416-480-8754

ecommerce@cantire.com

Business issues when in production:

SCA (Supply Chain Analyst) for your product category.

416-480-3000





IT WILL BE OF BENEFIT TO YOUR COMPANY TO READ THIS PAGE

Functional Acknowledgments

Canadian Tire Corporation expects to receive 997 Functional Acknowledgments in a timely manner for ALL EDI transaction sets sent to its Trading Partners. ANSI & CTC standards require a 997 to be returned within twenty-four hours of the transmission of the original document. CTC also expects notice from your company of any EDI translation errors in our transmissions with the use of a detailed Functional Acknowledgment (997) document. 830 Planning Schedule documents are currently transmitted every Friday evening and 997s are not processed on the weekends.

**Please ensure that all Business Stakeholders are apprised of
CTC requirements and your internal process.**

Business Overview

A forecast of the requirements for all active sku's will be compiled each week for all regions for the next twenty-six weeks. The data will be updated each week until the lead time for the item is reached for the sku's listed. At that time, Purchase Orders will be cut for the quantities and dates listed on the previous report. CTC expects that all suppliers will have sufficient quantities ready for shipping on those dates. The Planning Schedule is not only a mandatory document for CTC, but a valuable tool to be used in order to support the needs of the Customers at each



and every CTC store. Quantities may change over the twenty six week period as market changes occur so it is important to check the reports each week. Any discrepancies or lack of ability to meet our projected requirements should be discussed with the Supply Chain Analyst for your merchandise category at Canadian Tire Corporation immediately. This will ensure that issues are resolved in a timely fashion and compliance issues and penalties minimized.

Business Processing

Canadian Tire Corporation will compile and send this data every Friday evening to all EDI trading partners. If the document is not available first thing Monday, EDI Trading Partners should check with their IT/EC Departments and if still not available by close of business Monday, you should contact the CTC EC Help line right away.

If a product is not present on the forecast it generally means that there is no forecasted requirement for that sku over the next 26 weeks. If you are expecting orders for that sku within that time period, contact your SCA immediately. Please note that a sku that was originally forecasted and is no longer required will just be dropped from the report. There is no "cancellation notice".



Interpreting This Document

The "Z" indicates an ANSI Standard note below,
 related to this element.

ID & Num	Data Element Name	Req	Data Type	Min Max	Description	List of Values
BIG	Segment ID	M				
BIG01 373	Date	M/Z	DT	8/8	Date the Invoice is issued. Format: (CCYYMMDD)	



BIG02	Invoice Number	M	AN	5/22	Identifying number assigned by issuer. Minimum 5 characters.		
76		M	AN	1/22			
BIG03		Not Used					
BIG04	Purchase Order	M	NO	8/8	Identifying number for Purchase Order assigned by the orderer/purchaser.		
324		O	AN	1/22	<ul style="list-style-type: none"> • CTC PO NUMBER Format: (NNNNNNNN) 		

CTC requirements listed on — ANSI Standards listed below

first line



DATA SEGMENT LIST

Click [link](#) to see details

Table 1: Identification Information	Pos. No.	Seg. ID	Segment Name	ANSI Req.	CTC Req.	Max Use	# of Repeats
	010	ST	Transaction Set Header	M	M	1	
	020	BFR	Beginning Segment for Planning Schedule	M	M	1	
	030	REF	Reference - IA	O	M	>1	
	LOOP ID – N1						200
	040	N1	Name - ST	O	M	1	
Table 2: Detail	Pos. No.	Seg. ID	Segment Name	ANSI Req.	CTC Req.	Max Use	# of Repeats
	LOOP ID – LIN						>1
	040	LIN	Item Identification	M	M	1	
	040	UIT	Unit Detail	M	M	1	



LOOP ID – FST								>1
040	FST	Forecast Schedule			O	M	1	
Table 3:	Pos. No.	Seg. ID	Segment Name	ANSI Req.	CTC Req.	Max Use	# of Repeats	
Summary								
	010	CTT	Transaction Totals	M	M	1		
	030	SE	Transaction Set Trailer	M	M	1		

[Data Mapping Examples](#)



ST – Transaction Set Header**Header Information**

Purpose	To indicate the start of a transaction set and to assign a control number
Sample	ST*830*000000424.

ID & Num	Data Element Name	Req	Data Type	Min Max	Description	List of Values
ST	Segment ID	M				
ST01	Transaction Set Identifier Code	M	ID	3/3	Code uniquely identifying a Transaction Set	
		M	ID	3/3	• Planning Schedule	830
ST02	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.	
		M	AN	4/9		

Semantics:

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

Table 1 Identification Information

Purpose	To indicate the beginning of a planning schedule transaction set (forecast).
Example	This forecast was created on August 2, 2007 and covers the period from August 2, 2007 to January 31, 2008.
Sample	BFR*00*200708030617999901**BB*A*20070802*20080131*20070802

ID & Num	Data Element Name	Req	Data Type	Min Max	Description	List of Values
BFR	Segment ID	M M				
BFR01 353	Transaction Set Purpose Code	M M	ID ID	2/2 2/2	Code identifying purpose of transaction set. • Original • Replacement	00 05
BFR02 127	Reference Identification	M M	AN AN	2/30 2/30	CTC Reference Number from Planning Application (DRP)	
BFR03	<i>Not used</i>					
BFR04 675	Schedule Type Qualifier	M M	ID ID	2/2 8/8	Customer Production (Consumption) Based	BB
BFR05 373	Schedule Quantity Qualifier	M M	ID ID	1/1 8/8	Actual Discreet Quantities	A
BFR06 373	Date	M M	DT DT	8/8 8/8	Start date of forecast Format: (CCYYMMDD)	



BFR07	Date	M	DT	8/8	End date of forecast		
373		M	DT	8/8	Format: (CCYYMMDD)		
BFR08	Date	M	DT	8/8	Date forecast generated		
373		M	DT	8/8	Format: (CCYYMMDD)		
BFR09 - BFR12		Not used					

SEMANTIC NOTES

- 02 BFR02 is the identifying number for a forecast assigned by the orderer/purchaser.
- 06 BFR06 is the forecast horizon start date: The date when the forecast horizon (envelope) begins.
- 07 BFR07 is the forecast horizon end date: The date when the forecast horizon (envelope) ends.
- 08 BFR08 is the date forecast generated: The date the forecast data was generated.



REF - Reference

Table 1 Identification Information

Purpose	To specify ID numbers.
Example	To indicate the CTC vendor number of 7777.
Sample	REF*IA*7777

ID & Num	Data Element Name	Req	Data Type	Min Max	Description	List of Values
REF	Segment ID	M O				
REF01 128	Reference Identification Qualifier	M M	ID ID	2/2 2/2	Internal Vendor Number	IA
REF02 127	Reference Identification	C C	AN AN	4/4 1/30	CTC Internal Vendor Number (NNNN)	
REF03	Not used					

SYNTAX NOTES

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



N1 - Name

Table 1 Identification Information

Purpose	To specify CTC as the sender of the forecast.
Example	To specify CTC corporate office as the sender.
Sample	N1*FR*CANADIAN TIRE RETAIL*1*201613668

ID & Num	Data Element Name	Req	Data Type	Min Max	Description	List of Values
N1	Segment ID	M O				
N101 98	Entity Identifier Code	M M	ID ID	2/3 2/3	Code identifying a physical location. • Message From	FR
N102	Name of sender					
N103 66	Identification Code Qualifier	M C	ID ID	1/2 1/2	Code designating the method of code structure used for Identification Code • D-U-N-S Number, Dun & Bradstreet	1
N104 67	Identification Code	C C	AN AN	4/13 2/80	CTC Corporate Office Dun & Bradstreet number Always 201613668	
N105 - N106					Not used	

Syntax Notes:

02 R0203 - At least one of N102 or N103 is required.



03 P0304 - If either N103 or N104 is present, then the other is required.



LIN - Item Identification

Table 2 Detail Information

Purpose	To specify basic item identification data.
Example	To indicate CTC product number 099-9999-6
Sample	LIN**SK*099-9999-6

ID & Num	Data Element Name	Req	Data Type	Min Max	Description	List of Values
LIN	Segment ID	M M				
LIN01					Not used	
LIN02	Product/Service ID Qualifier	M	ID	2/2	Code identifying type of descriptive number used.	
235		C	ID	2/2	<ul style="list-style-type: none"> • Stockkeeping Unit 	SK
LIN03	Product/Service ID	C	AN	10/10	Canadian Tire Corporation Product Number.	
234		C	AN	1/48	Format: (NNN-NNNN-N)	
LIN04	Product/Service	O	R	2/2	Code identifying type of descriptive number used.	
235		C	R	2/2	<ul style="list-style-type: none"> • EAN Code (UCC-14) • UPC Code (UCC-12) 	EN UP
LIN05	Product/Service	C	ID	1/30	Identifying number for a product. UPC/EAN Code for this product.	
234		C	ID	1/48		
LIN06	Product/Service	O	ID	2/2	Code identifying type of descriptive number used.	
235		C	ID	2/2	<ul style="list-style-type: none"> • Vendor Number 	VP



LIN07	Product/Service	C	AN	1/48	Identifying number for a product. Vendor Part or Model Number	
234		C	AN	1/48		
LIN08	- LIN31				Not Used	

SYNTAX NOTES

- 04 P0405 - If either LIN04 or LIN05 is present, then the other is required.
- 06 P0607 - If either LIN06 or LIN07 is present, then the other is required.

SEMANTIC NOTES

- 01 LIN01 is the line item identification

UIT - Unit Detail

Table 2 Detail Information

Purpose	To specify item unit data.
Example	To specify the unit of measurement is "each".
Sample	UIT*EA

ID & Num	Data Element Name	Req	Data Type	Min Max	Description	List of Values
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UIT	Segment ID	M				
		M				
UIT01	Unit of Measure Code	M	ID	2/2	Code specifying the units in which a value is being expressed.	
355		M	ID	2/2	• Each	EA
UIT02	- UIT03				Not used	

FST - Forecast Schedule

Table 2 Identification Information

Purpose	To specify forecasted dates and quantities.
Example	To indicate that CTC requires a quantity of 500 to be available to ship on September 1 2002.
Sample	FST*500*D*W*20020901

ID & Num	Data Element Name	Req	Data Type	Min Max	Description	List of Values
FST	Segment ID	M				
		M				
FST01	Quantity	M	R	1/15	Quantity that is expected to be shipped from the Trading Partner during that week	
380		M	R	1/15		



FST02 680	Forecast Qualifier	M M	ID ID	1/1 1/1	Code specifying the sender's confidence level of the forecast data • Planning	D	
FST03 681	Forecast Timing Qualifier	M M	ID ID	1/1 1/1	Code specifying interval grouping of the forecast • Weekly Bucket • Mutually Defined - Weekly	W Z	
FST04 373	Date	M M	DT DT	8/8 8/8	Start date of Forecasted Bucket Format: (CCYMMDD)		
FST05 373	Date	O O	DT DT	8/8 8/8	End date of Forecasted Bucket Format: (CCYMMDD)		
FST07 - FST09		Not used					

COMMENTS

- 02 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

Table 3 Summary Information

Purpose	To transmit hash totals.
Example	To indicate 3 line items.
Sample	CTT*3

ID & Num	Data Element Name	Req	Data Type	Min Max	Description	List of Values
CTT	Segment ID	M O				
CTT01 354	Number of Line Items	M M	NO NO	1/6 1/6	Total number of LIN Segments in the transaction set.	
CTT02	- CTT07				Not Used	

Comments:

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



SE – Transaction Set Trailer

Table 6 Summary Information

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).
Sample	SE*15*000000424

ID & Num	Data Element Name	Req	Data Type	Min Max	Description	List of Values
SE	Segment ID	M M				
SE01 96	Number of Included Segments	M M	NO NO	1/10 1/10	Total number of segments including ST and SE .	
SE02 329	Transaction Set Control Number	M M	AN AN	4/9 4/9	Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set.	

COMMENTS



00 SE is the last segment of each transaction set.



EDI Example

Example #1	FORECAST DATA	THREE SKUs NATIONAL LEVEL WEEKLY TRANSMISSION (DATA UPDATED WEEKLY) ROLLING 26 WEEKS OF DEMAND
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Please note: The day during the week that the date required falls can vary and it is possible to have more than one discrete forecast date during the same week depending on Canadian Tire Corporation’s requirements.

Date Required	QTY CTC SKU# 099-9997-0	Date Required	QTY CTC SKU# 099-9998-8	Date Required	QTY CTC SKU#099-9999-6
20070111	2016				
20070115	1008			20070115	2032
20070118	504	20070117	2240	20070124	12
20070124	3528	20070124	1135	20070131	340
20070130	504	20070131	1135	20070207	16
20070201	1008	20070213	1135	20070213	8



20070215	2520	20070223	2145	20070223	16
20070223	2520	20070228	2145	20070306	2428
20070306	2520	20070307	2145	20070314	12
20070308	1512	20070314	1145	20070321	4
20070328	504	20070323	1145		
20070405	504				
20070419	3528	20070409	1145	20070419	24
20070426	504	20070413	1145		
20070510	1008	20070418	1145	20070510	200
20070518	2520	20070509	1145		
20070523	2520	20070516	1135		
20070528	1512	20070524	1135	20070523	16
20070606	504	20070531	1135		
20070612	504	20070613	1140	20070528	160
20070615	504				
20070620	1008				
20070626	1008			20070615	100
20070629	1512				
20070704	2520			20070704	24







Example #1	PLO (PS) THREE SKUs NATIONAL LEVEL ROLLING 26 WEEKS OF DEMAND
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Example 1

ST*830*1234

BFR*00*200701050615999901**BB*A*20070104*20070704*20070104

REF*IA*9999

N1*FR*CANADIAN TIRE RETAIL*1*201613668

LIN**SK*099-9997-0***VP*1234-4319

UIT*EA

FST*2016*D*W*20070111

FST*1008*D*W*20070115

FST*504*D*W*20070118

FST*3528*D*W*20070124

FST*504*D*W*20070130

FST*1008*D*W*20070201

FST*2520*D*W*20070215



FST*2520*D*W*20070223
FST*2520*D*W*20070306
FST*1512*D*W*20070308
FST*504*D*W*20070328
FST*504*D*W*20070405
FST*3528*D*W*20070419
FST*504*D*W*20070426
FST*1008*D*W*20070510
FST*2520*D*W*20070518
FST*2520*D*W*20070523
FST*1512*D*W*20070528
FST*504*D*W*20070606
FST*504*D*W*20070612
FST*504*D*W*20070615
FST*1008*D*W*20070620
FST*1008*D*W*20070626
FST*1512*D*W*20070629
FST*2520*D*W*20070704

LIN**SK*099-9998-8*UP*155555666666*VP*1234-4320

UIT*EA

FST*2240*D*W*20070117

FST*1135*D*W*20070124



FST*1135*D*W*20070131
 FST*1135*D*W*20070213
 FST*2145*D*W*20070223
 FST*2145*D*W*20070228
 FST*2145*D*W*20070307
 FST*1145*D*W*20070314
 FST*1145*D*W*20070323
 FST*1145*D*W*20070409
 FST*1145*D*W*20070413
 FST*1145*D*W*20070418
 FST*1145*D*W*20070509
 FST*1135*D*W*20070516
 FST*1135*D*W*20070524
 FST*1135*D*W*20070531
 FST*1140*D*W*20070613

LIN**SK*099-9999-6*UP*155555777775*VP*1234-4321

UIT*EA

FST*2032*D*W*20070115
 FST*12*D*W*20070124
 FST*340*D*W*20070131
 FST*16*D*W*20070207
 FST*8*D*W*20070213



FST*16*D*W*20070223

FST*2428*D*W*20070306

FST*12*D*W*20070314

FST*4*D*W*20070321

FST*24*D*W*20070419

FST*200*D*W*20070510

FST*16*D*W*20070523

FST*160*D*W*20070528

FST*100*D*W*20070615

FST*24*D*W*20070704

CTT*3

SE*68*1234

