

# 830 Planning Schedule as A Simple Forecast

The goal of this UCS 830 004010 documentation is to present this EDI application standard as it pertains to Safeway Inc. and how it establishes the exchange of product activity information between EDI trading partners.

## **EDI IMPLEMENTATION GUIDE**

**For**

### **UCS 830 Planning Schedule with Release Capability also known as 830 Simple Forecast**

**Version 004010**

The purpose of this implementation guide is to provide specific information on how Safeway has built their EDI transactions so that our trading partners can understand the exact meaning of the data and codes used. In order to build a successful trading partner relationship that supports and enhances both of our businesses, it is imperative you understand this packet. Safeway EDS Department supports ECR/EDI activity through a centralized location for North America.

#### **Information contained in the 830 transaction**

Safeway 830 data is based on expected inventory activity at our Distribution Center (DC) level. It is a forecast of the quantity of each product that we expect to ship from the DC to the stores on a week by week basis. It contains forecast quantities for planned promotions, forecast promotions and lacking any promotion activity, normal demand. The forecast quantities include an adjustment to expected ship for the week preceding the start of a promotion. The data will be sent to each enabled supplier for each of the items that are active items in the Safeway database once each week. The information sent would be segregated by the ship-to location that the item is carried in. The forecast will be 12 weeks of data beginning with the current week as Week 1, and the rest for the next 11 weeks. When the data is sent each week, the values contained in the transactions are intended to replace the data that was sent the previous week. There is no attempt to indicate quantities that have been changed or by what value they were changed in the new data extract.

Many items are actually inventoried and forecast in inter-pack or POS item quantity. This forecast will convert all forecast quantities to master cases; that which will be ordered. The forecast quantities that are sent in this transaction will be refined and considered firm the closer we get to the current date.

Current reports that contain the forecast information include several levels of totaling for both items and distribution centers. Since the EDI 830 transaction does not directly support those totals, it is incumbent upon the receiving supplier to total the forecast quantities as needed for their own use.

**UCS 830 Forecast Data**  
**Version Release 004010UCS**

**Functional Group ID = PS**

**DOCUMENT STRUCTURAL HIERARCHY**

**COMMUNICATION CONTROL HEADERS**

Position	Segment ID	Name	Req	Max Use
	ISA	Interchange Control Header	M	1
	GS	Functional Group Header	M	1

**HEADER**

Position	Segment ID	Name	Req	Max Use
010	ST	Transaction Set Header	M	1
020	BFR	Beginning Segment for Planning Schedule	M	1
<b>LOOP ID 200- N1 (Loop Repeat 200)</b>				
230	N1	Name	O	1
240	N2	Additional Name Information	O	1
250	N3	Address Information	O	2
260	N4	Geographic Location	O	1

**DETAIL**

Position	Segment ID	Name	Req	Max Use
<b>LOOP ID 010- LIN (Loop Repeat 999999)</b>				
010	LIN	Item Identification	M	1
120	PO4	Item Physical Details	O	1
<b>LOOP ID LIN/FST (Loop Repeat 12 TIMES)</b>				
410	FST	Forecast Schedule	O	1
420	SDQ	Destination Quantity	O	50

**SUMMARY**

Position	Segment ID	Name	Req	Max Use
010	CTT	Transaction Totals	O	1
020	SE	Transaction Set Trailer	M	1

**COMMUNICATION CONTROL TRAILERS**

Position	Segment ID	Name	Req	Max Use
	GE	Functional Group Trailer	M	1
	IEA	Interchange Control Trailer	M	1

**UCS 830 004010  
 FORECAST DATA**

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EDI	NAME	STANDARDS					SAFEWAY
		Code	Req	Min	Max	Atrb	REQUIRED/ACCEPTED

**HEADER**

ISA	Interchange Control Header						
ISA01	AUTHORIZATION INFO QUALIFIER	I01	M	2	2	ID	00 = NO AUTHORIZATION INFO PRESENT
ISA02	AUTHORIZATION INFORMATION	I02	M	10	10	AN	NO INFO BUT BLANK-FILLED
ISA03	SECURITY INFO QUALIFIER	I03	M	2	2	ID	00 = NO SECURITY INFO REQUIRED
ISA04	SECURITY INFORMATION	I04	M	10	10	AN	NO INFO BUT BLANK-FILLED
ISA05	INTERCHANGE ID QUALIFIER	I05	M	2	2	ID	08 = SAFEWAY'S UCC QUALIFIER
ISA06	INTERCHANGE SENDER ID	I06	M	15	15	AN	9251750000 = SAFEWAY'S ISA COMM ID
ISA07	INTERCHANGE ID QUALIFIER	I07	M	2	2	ID	_ _ = TRADING PARTNER'S EDI ID QUALIFIER
ISA08	INTERCHANGE RECEIVER ID	I08	M	15	15	AN	TRADING PARTNER'S ISA COMM ID
ISA09	INTERCHANGE DATE	I09	M	6	6	DT	DATE IN YYMMDD FORMAT
ISA10	INTERCHANGE TIME	I10	M	4	4	TM	TIME IN HHMM FORMAT
ISA11	INTERCHANGE CONTROL STANDARD ID	I11	M	1	1	ID	U = CODE VALUE for U.S. EDI COMMUNITY
ISA12	ISA CONTROL VERSION NUMBER	I12	M	5	5	ID	00401 = VERSION RELEASE USED
ISA13	INTERCHANGE CONTROL NUMBER	I13	M	9	9	NO	INTERCHANGE CONTROL NUMBER
ISA14	ACK REQUESTED	I14	M	1	1	ID	0 = NO ACKNOWLEDGEMENT REQUESTED
ISA15	TEST INDICATOR	I15	M	1	1	ID	P = PRODUCTION DATA (T = TEST)
ISA16	COMPONENT ELEMENT SEPARATOR	I16	M	1	1	ID	> = SUB-ELEMENT SEPARATOR
SAFEWAY USES THE FOLLOWING CHARACTERS:							* = ELEMENT SEPARATOR (ASTERISK)
							~ = SEGMENT TERMINATOR (TILDE)

Sample Data:  
 ISA\*00\* \*00\* \*08\*9251750000 \*12\*7160000000 \*041005\*0012\*U\*00401\*000052130\*0\*P\*>~

GS	Functional Group Header						
GS01	FUNCTIONAL ID CODE	479	M	2	2	ID	FUNCTIONAL ID CODE: PS
GS02	APPLICATION SENDER CODE	142	M	2	15	AN	SAFEWAY'S GS ID = 8019721193
GS03	APPLICATION RECEIVER CODE	124	M	2	15	AN	TRADING PARTNER'S GS ID
GS04	DATE	373	M	8	8	DT	DATE IN CCYYMMDD FORMAT
GS05	TIME	337	M	4	8	TM	TIME IN HHMM FORMAT
GS06	GROUP CONTROL NUMBER	28	M	1	9	NO	GS CONTROL #
GS07	RESPONSIBLE AGENCY CODE	455	M	1	2	ID	T FOR UCS
GS08	VERSION/RELEASE ID CODE	480	M	1	12	AN	VERSION RELEASE 004010 UCS

Sample Data:  
 GS\*PS\*8019721193\*1234567891\*20041005\*1040\*960\*T\*004010UCS~

ST	Transaction Set Header						
ST01	TRANSACTION SET ID CODE	143	M	3	3	ID	TRANSACTION SET CODE: 830
ST02	TRANSACTION SET CONTROL NUMBER	329	M	4	9	AN	CONTROL NUMBER RELATIVE TO GS06

Sample Data:  
 ST\*830\*42821001~

**UCS 830 004010  
FORECAST DATA**

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EDI	NAME	STANDARDS					SAFEWAY
		Code	Req	Min	Max	Atrb	REQUIRED/ACCEPTED

BFR	Beginning Segment for Planning Schedule						
BFR01	TRANSACTION PURPOSE CODE	535	M	2	2	ID	'00' = Original
BFR04	SCHEDULE TYPE	675	M	2	2	ID	'PS' Planned Shipment Based (from our Distribution Center to Stores)
BFR05	SCHEDULE QUANTITY QUALIFIER	676	M	1	1	ID	'A' Actual Discrete Quantities
BFR06	DATE	373	M	8	8	DT	STARTING DATE FOR THE FORECAST
BFR07	DATE	373	O	8	8	DT	ENDING DATE FOR THE FORECAST
BFR08	DATE	373	M	8	8	DT	DATE FORECAST GENERATED

Sample Data:

BFR\*00\*\*\*PS\*A\*20041003\*20041225\*20041005~

N1	MESSAGE From Name	SAFEWAY information loop					
N101	ENTITY ID CODE	98	M	2	3	ID	'FR' = FROM ENTITY
N102	NAME	93	C	1	60	AN	SAFEWAY INC
N103	ID CODE QUALIFIER	66	C	1	2	ID	'9' = INDICATES 'DUNS +4'
N104	ID CODE	67	C	2	80	AN	0091372090000

Sample Data:

N1\*FR\*SAFEWAY INC\*9\*0091372090000~

N2	Additional Name Information	SAFEWAY information loop					
N201	FREE FORM NAME	93	M	1	60	AN	SAFEWAY NAME

Sample Data:

N2\*OMNI BRANDS~

N3	Address Information	SAFEWAY information loop					
N301	ADDRESS INFORMATION	166	M	1	55	AN	SAFEWAY STREET ADDRESS

Sample Data:

N3\*2800 YGNACIO VALLEY ROAD~

N4	Geographic Location	SAFEWAY information loop					
N401	CITY NAME	19	O	2	30	AN	CITY NAME
N402	STATE OR PROVINCE CODE	156	O	2	2	ID	STATE
N403	POSTAL CODE	116	O	3	15	ID	POSTAL CODE
N404	COUNTRY CODE	26	O	2	3	ID	COUNTRY CODE

Sample Data:

N4\*WALNUT CREEK\*CA\*94598\*US~

**UCS 830 004010  
FORECAST DATA**

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EDI	NAME	STANDARDS					SAFEGWAY
		Code	Req	Min	Max	Atrb	REQUIRED/ACCEPTED

N1	Vendor Name	Vendor information loop					
N101	ENTITY ID CODE	98	M	2	3	ID	'TO' = MESSAGE TO
N102	NAME	93	C	1	60	AN	VENDOR NAME
N103	ID CODE QUALIFIER	66	C	1	2	ID	'9' = INDICATES 'DUNS +4'
N104	ID CODE	67	C	2	80	AN	VENDOR DUNS +4

Sample Data:

N1\*TO\*GOOD FOODS INC\*9\*001000000000~

N3	Vendor Address Information	Vendor information loop					
N301	ADDRESS INFORMATION	166	M	1	55	AN	VENDOR ADDRESS

Sample Data:

N3\*1100 N HIGHLANDS PKWY~

N4	Vendor Geographic Location	Vendor information loop					
N401	CITY NAME	19	O	2	30	AN	VENDOR CITY NAME
N402	STATE OR PROVINCE CODE	156	O	2	2	ID	VENDOR STATE CODE
N403	POSTAL CODE	116	O	3	15	ID	VENDO POSTAL CODE
N404	COUNTRY CODE	26	O	2	3	ID	COUNTRY CODE

Sample Data:

N4\*SEATTLE\*WA\*94500\*US~

LIN	Item Identification	Item Identification Loop					
LIN02	PRODUCT/SERVICE ID QUALIFIER	235	M	2	2	ID	'UA' = UPC
LIN03	PRODUCT/SERVICE ID	234	M	1	48	AN	12 DIGIT CASE UPC NUMBER
LIN04	PRODUCT/SERVICE ID QUALIFIER	235	C	2	2	ID	'PI' = PURCHASER'S ITEM CODE
LIN05	PRODUCT/SERVICE ID	234	C	1	48	AN	SAFEWAY 8 DIGIT ITEM CODE
LIN06	PRODUCT/SERVICE ID QUALIFIER	235	C	2	2	ID	'VN' = VENDOR'S ITEM CODE
LIN07	PRODUCT/SERVICE ID	234	C	1	48	AN	VENDORS ITEM CODE

Sample Data:

LIN\*\*UA\*002100062663\*PI\*80000223~

LIN\*\*UA\*002100062663\*PI\*80000223\*VN\*103456~

PO4	Item Physical Details	Item Identification Loop					
PO401	PACK	356	O	1	6	N0	NUMBER OF UNITS IN A CASE
PO402	SIZE	357	C	1	8	R3	NUMERIC VALUE OF SIZE SALEABLE UNIT
PO403	UNIT OR BASIS FOR MEASUREMENT CODE	355	C	2	2	ID	'OZ' = ONCES OTHER VALID UNIT OF MEASURE

**UCS 830 004010  
FORECAST DATA**

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		STANDARDS					SAFEGWAY
EDI	NAME	Code	Req	Min	Max	Atrb	REQUIRED/ACCEPTED

PO4 continuation

PO4	Item Physical Details	Item Identification Loop					
PO405	WEIGHT QUALIFIER	187	O	1	2	ID	'G' = GROSS WEIGHT 'N' = ACTUAL NET WEIGHT 'A3' = SHIPPERS WEIGHT
PO406	GROSS WEIGHT PER PACK	384	C	1	9	R2	WEIGHT OF THE SHIPPING UNIT
PO407	UNIT OR BASIS FOR MEASUREMENT CODE	355	C	2	2	ID	'OZ' = OUNCES 'LB' = POUNDS

Sample Data:

PO401\*24\*12\*OZ\*G\*19.25\*LB~

FST	Forecast Schedule	LIN/FORECAST SCHEDULE Loop					
FST01	QUANTITY	380	M	1	3	R3	SUM OF ALL QUANTITIES IN THE FOLLOWING SDQ SEGMENTS
FST02	FORECAST QUALIFIER	680	M	1	1	ID	'D' = PLANNING
FST03	FORECAST TIMING QUALIFIER	681	M	1	1	ID	'X' = WEEKLY FORECAST
FST04	DATE	373	M	8	8	DT	START DATE FOR THE WEEK PERIOD
FST05	DATE	373	O	8	8	DT	END DATE FOR THE WEEK PERIOD

Sample Data:

FST\*730\*D\*X\*20041003\*2004109~

SDQ	DESTINATION QUANTITY	LIN/FORECAST SCHEDULE Loop					
SDQ01	UNIT OF MEASURE	355	M	2	2	ID	UOM FOR ALL QUANTITIES IN THIS SEGMENT
SDQ02	ID CODE QUALIFIER	66	O	1	2	ID	'9' NEXT ELEMENT IS DUNS + 4 (1)
SDQ03	ID CODE	67	M	2	80	AN	DUNS NUMBER OF WAREHOUSE FOR THIS FORECAST QUANTITY (1)
SDQ04	QUANTITY	380	M	1	15	R3	FORECAST QUANTITY (1)
SDQ05	ID CODE	67	C	2	80	AN	DUNS NUMBER OF WAREHOUSE FOR THIS FORECAST QUANTITY (2)
SDQ06	QUANTITY	380	C	1	15	R3	FORECAST QUANTITY (2)
SDQ07	ID CODE	67	C	2	80	AN	DUNS NUMBER OF WAREHOUSE FOR THIS FORECAST QUANTITY (3)
SDQ08	QUANTITY	380	C	1	15	R3	FORECAST QUANTITY (3)
SDQ09	ID CODE	67	C	2	80	AN	DUNS NUMBER OF WAREHOUSE FOR THIS FORECAST QUANTITY (4)
SDQ10	QUANTITY	380	C	1	15	R3	FORECAST QUANTITY (4)
SDQ11	ID CODE	67	C	2	80	AN	DUNS NUMBER OF WAREHOUSE FOR THIS FORECAST QUANTITY (5)
SDQ12	QUANTITY	380	C	1	15	R3	FORECAST QUANTITY (5)
SDQ13	ID CODE	67	C	2	80	AN	DUNS NUMBER OF WAREHOUSE FOR THIS FORECAST QUANTITY (6)
SDQ14	QUANTITY	380	C	1	15	R3	FORECAST QUANTITY (6)
SDQ15	ID CODE	67	C	2	80	AN	DUNS NUMBER OF WAREHOUSE FOR THIS FORECAST QUANTITY (7)

**UCS 830 004010  
FORECAST DATA**

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EDI	NAME	STANDARDS					SAFEGWAY
		Code	Req	Min	Max	Atrb	REQUIRED/ACCEPTED

SDQ continuation

SDQ	DESTINATION QUANTITY	LIN/FORECAST SCHEDULE Loop					
SDQ16	QUANTITY	380	C	1	15	R3	FORECAST QUANTITY (7)
SDQ17	ID CODE	67	C	2	80	AN	DUNS NUMBER OF WAREHOUSE FOR THIS FORECAST QUANTITY (8)
SDQ18	QUANTITY	380	C	1	15	R3	FORECAST QUANTITY (8)
SDQ19	ID CODE	67	C	2	80	AN	DUNS NUMBER OF WAREHOUSE FOR THIS FORECAST QUANTITY (9)
SDQ20	QUANTITY	380	C	1	15	R3	FORECAST QUANTITY (9)
SDQ21	ID CODE	67	C	2	80	AN	DUNS NUMBER OF WAREHOUSE FOR THIS FORECAST QUANTITY (10)
SDQ22	QUANTITY	380	C	1	15	R3	FORECAST QUANTITY (10)

Sample Data:

SDQ\*CA\*9\*009137209050501\*75\*009137209051001\*105\*009137209051702\*120\*009137209051922\*75\*009137209052001\*75\*009137209052002\*105\*009137209052535\*175~

CTT	Transaction Totals	Transaction Totals Loop					
CTT01	NUMBER OF LINE ITEMS	354	M	1	6	N0	TOTAL NUMBER OF 'LIN' ITEM IN THE CURRENT TRANSACTION SET

Sample Data:

CTT\*2~

SE	Transaction Set Trailer						
SE01	NUMBER OF INCLUDED SEGMENTS	96	M	1	10	N0	# OF SEGMENTS FROM ST TO SE
SE02	TRANSACTION SET CONTROL NUMBER	329	M	4	9	AN	MUST BE SAME # AS IN ST SEGMENT

Sample Data:

SE\*27\*42821001~

GE	Functional Group Trailer						
GE01	NUMBER OF TRANSACTION SETS INCLUDED	97	M	1	6	N0	# OF SETS IN FUNCTIONAL GROUP
GE02	GROUP CONTROL NUMBER	28	M	1	9	N0	SAME AS <u>GS06</u>

Sample Data:

GE\*1\*42821~

IEA	Interchange Control Trailer						
IEA01	# OF INCLUDED FUNCTIONAL GROUP	116	M	1	5	N0	# OF GROUPS IN THE INTERCHANGE
IEA02	INTERCHANGE CONTROL NUMBER	112	M	9	9	N0	SAME NUMBER AS <u>ISA13</u>

Sample Data:

IEA\*1\*000052130~



**Sample UCS 830 004010 Raw Data**

ISA\*00\* \*00\* \*08\*9251750000 \*08\*1234560000 \*041005\*1620\*U\*00401\*000000785\*0\*P\*>~  
GS\*PS\*8019721193\*1234567890\*20041005\*1620\*10\*T\*004010UCS~  
ST\*830\*00010001~  
BFR\*00\*\*\*PS\*A\*20041003\*20041225\*20041005~  
N1\*FR\*SAFEWAY INC\*9\*0091372090000~  
N3\*5918 STONERIDGE MALL ROAD~  
N4\*PLEASANTON\*CA\*945883329\*US~  
N1\*TO\*XYZ SUPPLIER CORP\*9\*1234567890000~  
N3\*4321 WEST VALLEY ROAD~  
N4\*SHAKEY TOWN\*CA\*900003889\*US~  
LIN\*\*UA\*001119933024\*PI\*71238654\*VN\*12307~  
PO4\*12\*15.25\*OZ\*G\*21.75\*LB~  
FST\*800\*D\*X\*20041003\*20041009~  
SDQ\*CA\*9\*0091372090501\*75\*0091372091001\*75\*0091372091702\*75\*0091372091922\*85\*009  
1372092002\*75\*0091372092001\*80\*0091372092535\*75\*0091372092735\*100\*0091372092902\*  
85\*0091372092922\*75~  
FST\*800\*D\*X\*20041010\*20041016~  
SDQ\*CA\*9\*0091372090501\*75\*0091372091001\*75\*0091372091702\*75\*0091372091922\*85\*009  
1372092002\*75\*0091372092001\*80\*0091372092535\*75\*0091372092735\*100\*0091372092902\*  
85\*0091372092922\*75~  
FST\*800\*D\*X\*20041017\*20041023~  
SDQ\*CA\*9\*0091372090501\*75\*0091372091001\*75\*0091372091702\*75\*0091372091922\*85\*009  
1372092002\*75\*0091372092001\*80\*0091372092535\*75\*0091372092735\*100\*0091372092902\*  
85\*0091372092922\*75~  
FST\*465\*D\*X\*20041024\*20041030~  
SDQ\*CA\*9\*0091372090501\*75\*0091372091001\*75\*0091372091702\*75\*0091372091922\*85\*009  
1372092002\*75\*0091372092001\*80~  
FST\*2800\*D\*X\*20041031\*20041106~  
SDQ\*CA\*9\*0091372090501\*275\*0091372091001\*275\*0091372091702\*275\*0091372091922\*285  
\*0091372092002\*275\*0091372092001\*280\*0091372092535\*275\*0091372092735\*300\*0091372  
092902\*285\*0091372092922\*275~  
FST\*1300\*D\*X\*20041107\*20041113~  
SDQ\*CA\*9\*0091372090501\*125\*0091372091001\*125\*0091372091702\*125\*0091372091922\*135  
\*0091372092002\*125\*0091372092001\*130\*0091372092535\*125\*0091372092735\*150\*0091372  
092902\*135\*0091372092922\*125~  
FST\*1300\*D\*X\*20041114\*20041120~  
SDQ\*CA\*9\*0091372090501\*125\*0091372091001\*125\*0091372091702\*125\*009137209922\*135\*  
0091372092002\*125\*0091372092001\*130\*0091372092535\*125\*0091372092735\*150\*00913720  
92902\*135\*0091372092922\*125~  
FST\*800\*D\*X\*20041121\*20041127~  
SDQ\*CA\*9\*0091372090501\*75\*0091372091001\*75\*0091372091702\*75\*0091372091922\*85\*009  
1372092002\*75\*0091372092001\*80\*0091372092535\*75\*0091372092735\*100\*0091372092902\*  
85\*0091372092922\*75~  
FST\*800\*D\*X\*20041128\*20041204~  
SDQ\*CA\*9\*0091372090501\*75\*0091372091001\*75\*0091372091702\*75\*0091372091922\*85\*009  
1372092002\*75\*0091372092001\*80\*0091372092535\*75\*0091372092735\*100\*0091372092902\*  
85\*0091372092922\*75~  
FST\*800\*D\*X\*20041205\*20041211~  
SDQ\*CA\*9\*0091372090501\*75\*0091372091001\*75\*0091372091702\*75\*0091372091922\*85\*009  
1372092002\*75\*0091372092001\*80\*0091372092535\*75\*0091372092735\*100\*0091372092902\*  
85\*0091372092922\*75~  
FST\*500\*D\*X\*20041212\*20041218~

*Sample UCS 830 004010 Raw Data - continuation*

SDQ\*CA\*9\*0091372090501\*45\*0091372091001\*45\*0091372091702\*45\*0091372091922\*55\*009  
1372092002\*45\*0091372092001\*50\*0091372092535\*45\*0091372092735\*70\*0091372092902\*5  
5\*0091372092922\*45~  
FST\*1025\*D\*X\*20041219\*20041225~  
SDQ\*CA\*9\*0091372090501\*75\*0091372091001\*75\*0091372091702\*75\*0091372091922\*85\*009  
1372092002\*75\*0091372092001\*80\*0091372092535\*75\*0091372092735\*100\*0091372092902\*  
85\*0091372092922\*75~  
SDQ\*CA\*9\*2100988520100\*75\*2100988520101\*75\*2100988520120\*75~  
CTT\*1~  
SE\*37\*00010001~  
GE\*1\*10~  
IEA\*1\*000000785~